



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194041
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-10SP
[LUMINAIRE] 500W LED FLOOD LIGHT - 10 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	535304.95
Maximum Candela Angle	0H -1V
Horizontal Beam Angle (50%)	16.1
Vertical Beam Angle (50%)	16.2
Horizontal Field Angle (10%)	34.1
Vertical Field Angle (10%)	34.2
Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Beam Lumens	23326
Beam Efficiency	36 %
Field Lumens	49162
Field Efficiency	76 %
Spill Lumens	16306
Luminaire Lumens	65468
Total Efficiency	101 %
Total Luminaire Watts	502.3
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	0	75	0
65	0	65	0
55	0	55	282.74
47.5	.12	47.5	1262.24
42.5	599.55	42.5	2860.88
37.5	3619.03	37.5	4354.94
33	6898.75	33	6630.98
29	12109.92	29	11046.71
25.5	18846.58	25.5	16706.95
22.5	30048.11	22.5	22986.93
19.5	42200	19.5	34453.58
17	59987.46	17	53113.9
15	78973.61	15	73811.5
13	112906.51	13	105819.67
11	168427.67	11	153342.62
9	244185.46	9	217751.74
7	335663.87	7	304500.04
5	421620.54	5	399594.56
3	490344.01	3	477333.87
1	531779.77	1	524078.7
0	534313.77	0	534313.77
-1	522492.54	-1	535304.95
-3	460459.41	-3	503508.39
-5	377101.53	-5	439027.14
-7	287342.22	-7	342570.13
-9	207140.08	-9	234555.25
-11	136966.02	-11	156135.24
-13	90325.56	-13	110428.3
-15	63734.13	-15	77258.23
-17	46704.29	-17	55677.63
-19.5	32928.56	-19.5	36677.42
-22.5	22544.62	-22.5	21175.48
-25.5	15165.06	-25.5	12885.15
-29	10085.46	-29	7052.09
-33	6294.93	-33	3353.51
-37.5	4003.37	-37.5	1030.7
-42.5	2037.83	-42.5	5.68
-47.5	371.31	-47.5	0
-55	0	-55	0
-65	0	-65	0
-75	0	-75	0
-85	0	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 535304.95

Beam Edge = 267652.475 Cd (50% of Max.)

Field Edge = 53530.495 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.46
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	33.34	122.25
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.27	47.58	225.54	638.51
37.5	0.00	0.00	0.00	0.00	0.00	0.06	28.76	281.69	834.07	1314.10
33.0	0.00	0.00	0.00	0.00	0.00	2.44	133.46	728.04	1334.80	2285.38
29.0	0.00	0.00	0.00	0.00	0.00	10.22	343.59	1116.27	2237.09	3186.98
25.5	0.00	0.00	0.00	0.00	0.00	44.33	590.65	1578.61	2952.58	4032.52
22.5	0.00	0.00	0.00	0.00	0.00	109.54	812.36	2155.70	3514.98	4651.80
19.5	0.00	0.00	0.00	0.00	0.00	169.88	991.53	2629.97	3973.94	5435.01
17.0	0.00	0.00	0.00	0.00	0.00	216.02	1206.98	2984.80	4120.78	6560.97
15.0	0.00	0.00	0.00	0.00	0.00	255.38	1401.18	3213.73	4263.94	7370.77
13.0	0.00	0.00	0.00	0.00	0.00	295.97	1613.30	3398.99	4752.76	7986.70
11.0	0.00	0.00	0.00	0.00	0.01	340.01	1749.17	3555.16	5287.78	8439.55
9.0	0.00	0.00	0.00	0.00	0.02	368.55	1881.44	3687.98	5795.70	8964.68
7.0	0.00	0.00	0.00	0.00	0.02	387.50	1976.96	3824.26	6074.99	9437.69
5.0	0.00	0.00	0.00	0.00	0.02	399.17	2025.31	3888.30	6266.65	9802.51
3.0	0.00	0.00	0.00	0.00	0.01	397.97	2047.70	3954.83	6339.95	10024.77
1.0	0.00	0.00	0.00	0.00	0.00	383.56	2046.49	3995.86	6330.73	10120.02
0.0	0.00	0.00	0.00	0.00	0.00	371.31	2037.83	4003.37	6294.93	10085.46
-1.0	0.00	0.00	0.00	0.00	0.00	356.31	1991.53	3954.48	6249.19	9991.86
-3.0	0.00	0.00	0.00	0.00	0.00	317.39	1885.70	3822.07	6111.53	9655.34
-5.0	0.00	0.00	0.00	0.00	0.00	268.70	1764.78	3638.54	5933.53	9231.06
-7.0	0.00	0.00	0.00	0.00	0.00	212.81	1631.87	3427.61	5706.62	8728.28
-9.0	0.00	0.00	0.00	0.00	0.00	161.22	1457.82	3122.05	5458.65	8131.22
-11.0	0.00	0.00	0.00	0.00	0.00	116.91	1258.76	2791.74	5126.81	7434.33
-13.0	0.00	0.00	0.00	0.00	0.00	74.46	1065.64	2444.72	4776.65	6739.68
-15.0	0.00	0.00	0.00	0.00	0.00	43.99	799.14	2069.39	4329.93	6036.67
-17.0	0.00	0.00	0.00	0.00	0.00	23.09	556.51	1670.90	3740.19	5401.51
-19.5	0.00	0.00	0.00	0.00	0.00	8.03	289.48	1263.27	2916.05	4735.52
-22.5	0.00	0.00	0.00	0.00	0.00	1.12	70.97	932.85	1990.34	3784.63
-25.5	0.00	0.00	0.00	0.00	0.00	0.03	10.29	480.72	1159.33	2495.20
-29.0	0.00	0.00	0.00	0.00	0.00	0.00	0.24	122.83	559.13	1250.56
-33.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.96	91.87	270.89
-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	1.95
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	8.80	21.48	45.08	69.65	93.96	119.54	146.20	175.66	204.76	232.07
47.5	244.07	439.29	694.56	912.46	1026.59	1113.50	1180.47	1222.84	1249.35	1270.65
42.5	1055.73	1385.33	1601.06	1846.92	2062.75	2257.61	2405.47	2557.42	2680.53	2768.61
37.5	1820.46	2476.15	3026.05	3380.96	3593.46	3761.24	3898.88	4044.94	4181.09	4264.39
33.0	3035.33	3585.88	4232.84	4782.72	5176.36	5438.89	5594.45	5754.81	6018.10	6283.62
29.0	4090.20	5074.14	5684.60	6422.60	7210.36	8030.00	8825.07	9485.33	10050.99	10506.64
25.5	5173.74	6347.84	7837.14	9125.03	10248.47	11459.20	12757.16	13929.85	14766.95	15502.54
22.5	6332.04	8045.10	9867.82	11709.43	13541.02	15204.22	16634.00	17859.68	19604.22	21088.70
19.5	7854.52	9866.63	12395.14	15440.40	17935.78	20282.28	23083.37	26078.69	29028.52	31439.67
17.0	8999.05	11622.19	15259.40	19301.07	22602.25	26424.68	30936.74	36249.42	41104.10	45648.02
15.0	10078.97	13135.05	17754.20	22573.90	27272.37	32521.34	39479.00	47081.16	54711.78	*62345.27 *
13.0	11190.70	14590.82	20203.75	26425.42	32358.71	40459.61	50773.83	61311.16	*73993.78	*87674.03 *
11.0	12185.39	16183.93	23156.19	30496.76	38988.58	50275.97	63039.58	*80008.09	*99674.27	*119721.15 *
9.0	12975.12	17772.75	26088.64	35270.19	46013.34	59260.56	*78349.59	*102854.32	*133792.98	*165165.60 *
7.0	13650.55	19442.63	28617.74	39788.06	52059.28	69454.36	*96071.66	*132314.92	*177171.53	*227620.71 *
5.0	14221.88	20838.75	30595.12	43308.92	57187.06	*80443.14	*114950.79	*162178.17	*225182.06	*291454.20 *
3.0	14800.10	21896.83	32178.74	45779.23	61602.55	*88088.89	*128935.98	*189081.41	*263405.63	*343253.33 *
1.0	15113.49	22460.31	32906.53	46959.01	63961.68	*91286.42	*137807.11	*207310.29	*287768.14	*376956.63 *
0.0	15165.06	22544.62	32928.56	46704.29	63734.13	*90325.56	*136966.02	*207140.08	*287342.22	*377101.53 *
-1.0	14973.43	22388.62	32865.34	47164.75	64725.11	*91803.05	*138114.84	*208887.39	*292523.41	*384327.52 *
-3.0	14375.48	21682.57	32031.07	46282.89	63642.86	*89963.07	*129723.41	*192855.55	*273875.90	*363326.77 *
-5.0	13499.72	20484.37	30284.95	43825.57	59881.36	*84445.50	*116181.94	*165612.45	*234928.04	*314804.21 *
-7.0	12592.08	18824.25	28127.98	40013.42	54222.57	*74049.51	*100287.85	*135844.83	*182488.89	*240670.20 *
-9.0	11532.81	16780.57	25473.90	35441.99	47290.44	62197.71	*83801.02	*108767.91	*138651.32	*170280.10 *
-11.0	10333.81	14683.97	22489.02	30491.46	40174.95	51854.80	66090.23	*85848.54	*105845.75	*125549.17 *
-13.0	9400.16	12791.65	19208.07	26097.50	33102.42	42432.33	52998.64	65204.00	*79576.54	*93567.24 *
-15.0	8613.70	11222.66	15994.17	21807.34	27260.41	33601.60	41641.65	50349.71	59507.54	*67546.70 *
-17.0	7686.24	9801.09	12999.84	17615.57	21915.67	26583.34	31751.58	37862.13	43901.86	49133.65
-19.5	6315.19	8417.66	10467.35	12891.33	15920.56	19322.16	23111.80	26767.22	30008.97	32740.92
-22.5	5024.02	6392.87	8173.42	9265.21	10592.31	12303.80	14381.03	16402.78	18274.19	19703.95
-25.5	3862.25	4817.41	5803.45	6770.46	7377.90	7932.26	8710.91	9847.55	11018.09	11913.17
-29.0	2237.77	3112.84	3726.91	4307.44	4795.08	5193.74	5503.08	5934.21	6327.41	6646.97
-33.0	686.97	1222.37	1779.24	2131.62	2308.34	2410.38	2667.34	2962.60	3180.23	3347.49
-37.5	45.49	157.80	275.69	367.42	422.31	566.02	729.47	895.15	1031.19	1066.23
-42.5	0.00	0.05	0.77	2.93	6.94	12.11	21.25	26.81	27.45	25.87
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

55.0	263.14	276.20	282.74	269.82	243.99	200.94	162.24	122.80	84.34	50.01
47.5	1279.60	1272.70	1262.24	1224.28	1134.18	1027.77	908.25	791.52	674.75	545.80
42.5	2826.90	2856.48	2860.88	2819.30	2713.90	2575.34	2399.67	2184.14	1932.02	1678.94
37.5	4329.68	4355.92	4354.94	4345.26	4298.52	4215.11	4116.59	3945.40	3755.71	3561.02
33.0	6483.94	6617.05	6630.98	6654.28	6592.64	6455.96	6241.16	6015.93	5708.92	5378.06
29.0	10828.62	11028.60	11046.71	11085.69	10978.59	10694.33	10186.05	9465.19	8541.98	7903.30
25.5	16133.85	16573.32	16706.95	16684.61	16443.33	15938.57	15316.62	14557.35	13607.70	12404.74
22.5	22206.64	22845.69	22986.93	23033.44	22773.27	22042.89	20931.83	19499.00	18087.25	16629.72
19.5	33347.56	34359.28	34453.58	34490.23	33717.18	32029.09	30055.56	27736.22	25128.61	22243.89
17.0	49788.30	52709.43	53113.90	53203.21	51123.55	47455.72	42905.57	38486.61	33585.48	29284.18
15.0	69072.65	*73321.61	*73811.50	*73908.75	*70866.67	*65419.56	*58301.88	*50395.78	43465.29	36785.62
13.0	98051.63	*105037.47	*105819.67	*105845.18	*100174.41	*90377.27	*78664.11	*66064.40	*54303.85	*45733.78
11.0	137483.50	*151391.60	*153342.62	*154270.28	*144780.93	*128331.52	*106891.98	*87991.37	*69547.49	*55210.58 *
9.0	194918.49	*16294.89	*17751.74	*220067.14	*206167.72	*179450.94	*147432.86	*114619.34	*89063.14	*67550.75 *
7.0	271720.70	*302619.88	*304500.04	*306925.25	*284016.56	*243181.54	*193386.38	*149617.53	*109875.16	*81257.19 *
5.0	352098.06	*395465.03	*399594.56	*401864.28	*369360.33	*314740.14	*248853.42	*185955.00	*133575.22	*94964.62 *
3.0	413788.95	*465818.52	*477333.87	*473564.97	*434982.71	*377539.30	*298889.57	*219428.39	*153661.63	*105808.35 *
1.0	452986.33	*509197.83	*524078.70	*518238.48	*479264.91	*417573.88	*32659.31	*242516.84	*167590.84	*112589.15 *
0.0	460459.41	*522492.54	*534313.77	*531779.77	*490344.01	*421620.54	*35663.87	*244185.46	*168427.67	*112906.51 *
-1.0	461733.03	*520495.71	*535304.95	*529974.04	*489992.53	*424709.81	*36389.20	*242957.49	*167720.99	*113213.57 *
-3.0	438935.65	*493848.36	*503508.39	*497589.55	*461560.08	*396802.54	*306916.55	*19742.67	*154800.46	*107229.17 *
-5.0	384024.69	*433232.41	*439027.14	*438612.75	*402898.79	*341233.61	*259712.52	*187581.37	*137215.02	*96085.46 *
-7.0	294576.72	*37181.39	*42570.13	*43022.11	*309638.99	*258467.02	*201524.85	*154143.97	*114944.67	*82704.75 *
-9.0	203867.73	*231486.47	*234555.25	*234457.93	*212004.52	*182217.48	*152573.25	*121760.69	*94453.73	*70111.29 *
-11.0	142103.19	*54662.74	*56135.24	*56814.82	*48118.70	*34291.07	*14763.82	*94992.43	*75252.69	*57626.15 *
-13.0	103440.85	*109937.40	*110428.30	*11155.36	*106578.65	*97365.30	*83993.94	*70548.18	*57508.56	*45897.78
-15.0	73632.87	*77192.99	*77258.23	*77458.71	*74330.56	*68428.77	*61271.67	*52908.96	44476.53	36963.65
-17.0	53216.15	55626.08	*55677.63	*55802.02	*53792.10	*50228.18	45768.87	40475.16	34805.90	29684.76
-19.5	35115.88	36457.05	36677.42	36785.69	36122.21	34415.31	31984.93	28651.65	24974.87	21465.97
-22.5	20767.71	21224.88	21175.48	21337.13	21090.70	20199.98	19074.00	17565.36	15954.74	14195.92
-25.5	12551.44	12850.89	12885.15	12993.74	12991.01	12681.87	12161.25	11426.16	10234.80	8945.26
-29.0	6880.79	7033.32	7052.09	7111.29	7101.20	6974.68	6704.92	6341.96	5969.29	5481.23
-33.0	3415.03	3402.77	3353.51	3434.42	3509.67	3504.15	3397.38	3238.41	2915.16	2567.25
-37.5	1080.03	1055.68	1030.70	1046.79	1053.41	1022.12	969.90	830.30	668.38	503.39
-42.5	19.84	10.83	5.68	5.86	5.59	4.32	1.89	1.18	0.67	0.08
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	27.19	10.15	0.90	0.06	0.01	0.00	0.00	0.00	0.00	0.00
47.5	415.14	278.48	179.84	102.22	68.63	37.95	4.59	0.00	0.00	0.00
42.5	1419.73	1188.92	920.16	606.66	354.30	129.44	13.28	0.01	0.00	0.00
37.5	3301.51	2943.35	2436.13	1819.16	1157.80	566.15	207.98	16.10	0.01	0.00
33.0	4995.29	4575.41	3973.32	3047.47	2220.76	1563.90	602.14	139.00	2.61	0.00
29.0	7375.55	6865.23	6123.51	4938.04	3686.25	2304.34	1370.27	352.74	21.89	0.01
25.5	10943.73	9418.65	7973.19	6887.16	5392.97	3558.54	2031.32	697.34	48.82	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

22.5	15224.09	13364.36	10789.51	8319.92	6748.41	4684.84	2670.38	1094.94	94.04	0.06
19.5	19643.80	17455.64	14664.29	10703.63	8098.62	5780.68	3444.67	1622.02	216.05	0.59
17.0	25215.03	21293.23	17582.05	13220.75	9411.38	6723.48	4022.93	2029.76	312.66	1.94
15.0	31047.84	25851.51	20358.59	15286.45	10709.84	7563.70	4472.79	2246.52	373.74	3.61
13.0	37768.82	31025.39	23823.72	17204.79	12113.67	8278.18	5004.22	2453.17	432.29	6.15
11.0	45343.39	36564.16	27970.10	19502.87	13520.64	8902.89	5491.56	2681.59	498.30	9.22
9.0	53068.37	42405.37	32176.01	21955.46	14964.15	9636.26	5952.96	2948.87	562.95	10.34
7.0	61492.12	47680.08	35785.34	24370.42	16203.99	10405.15	6312.63	3220.99	606.50	10.95
5.0	69056.55	52634.91	38457.95	26598.99	17222.03	11105.67	6613.43	3379.34	644.06	10.21
3.0	75134.91	56841.77	40625.99	28442.01	18160.08	11643.55	6800.59	3522.37	648.98	7.13
1.0	78730.46	59636.46	41932.26	29696.31	18717.57	12027.24	6897.73	3603.89	623.24	2.61
0.0	78973.61	59987.46	42200.00	30048.11	18846.58	12109.92	6898.75	3619.03	599.55	0.12
-1.0	78633.13	59585.64	41861.78	29530.88	18657.91	11939.66	6807.62	3549.28	591.15	0.11
-3.0	74830.45	56721.81	40359.68	27972.62	17990.03	11377.73	6542.46	3356.58	554.99	0.10
-5.0	68515.53	52527.27	37835.63	25899.10	16967.80	10653.96	6219.23	3096.60	494.90	0.07
-7.0	61388.88	47584.74	34549.91	23509.79	15820.18	9754.97	5834.89	2814.88	413.25	0.03
-9.0	53619.38	42078.46	30534.82	21036.80	14407.30	8719.02	5442.45	2386.29	328.20	0.01
-11.0	45266.25	35897.98	26721.69	18682.51	12664.66	7589.12	4918.05	1942.35	229.35	0.01
-13.0	37402.92	30388.50	22986.08	16207.37	10869.99	6620.39	4363.56	1545.39	135.31	0.00
-15.0	31057.10	25414.72	19462.77	13759.38	9185.72	5838.54	3714.88	1174.00	72.69	0.00
-17.0	25035.53	20758.98	15932.38	11205.79	7556.67	5158.91	3099.09	946.40	25.49	0.00
-19.5	18429.60	15408.93	12024.24	8496.78	5824.16	4338.87	2277.17	693.27	4.31	0.00
-22.5	12404.60	10322.78	8093.73	5705.27	4494.50	3301.05	1268.08	345.96	0.17	0.00
-25.5	7767.13	6661.18	5334.79	4185.31	3458.54	1957.90	674.30	75.82	0.01	0.00
-29.0	4865.93	4210.34	3535.23	2843.08	1779.04	772.57	215.32	2.16	0.00	0.00
-33.0	2258.23	1958.01	1501.15	887.87	408.40	108.04	6.78	0.00	0.00	0.00
-37.5	338.85	236.19	127.87	52.02	11.51	0.30	0.00	0.00	0.00	0.00
-42.5	0.04	0.25	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00
33.0	0.00	0.00	0.00	0.00	0.00
29.0	0.00	0.00	0.00	0.00	0.00
25.5	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00
19.5	0.00	0.00	0.00	0.00	0.00
17.0	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00
13.0	0.00	0.00	0.00	0.00	0.00
11.0	0.00	0.00	0.00	0.00	0.00
9.0	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

7.0	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00
3.0	0.00	0.00	0.00	0.00	0.00
1.0	0.00	0.00	0.00	0.00	0.00
0.0	0.00	0.00	0.00	0.00	0.00
-1.0	0.00	0.00	0.00	0.00	0.00
-3.0	0.00	0.00	0.00	0.00	0.00
-5.0	0.00	0.00	0.00	0.00	0.00
-7.0	0.00	0.00	0.00	0.00	0.00
-9.0	0.00	0.00	0.00	0.00	0.00
-11.0	0.00	0.00	0.00	0.00	0.00
-13.0	0.00	0.00	0.00	0.00	0.00
-15.0	0.00	0.00	0.00	0.00	0.00
-17.0	0.00	0.00	0.00	0.00	0.00
-19.5	0.00	0.00	0.00	0.00	0.00
-22.5	0.00	0.00	0.00	0.00	0.00
-25.5	0.00	0.00	0.00	0.00	0.00
-29.0	0.00	0.00	0.00	0.00	0.00
-33.0	0.00	0.00	0.00	0.00	0.00
-37.5	0.00	0.00	0.00	0.00	0.00
-42.5	0.00	0.00	0.00	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00
-55.0	0.00	0.00	0.00	0.00	0.00
-65.0	0.00	0.00	0.00	0.00	0.00
-75.0	0.00	0.00	0.00	0.00	0.00
-85.0	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 32733.91

Total Field Lumens (one side of beam only) = 24580.93

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.42	0.80	0.71	0.61	0.50	0.40	0.30	0.21	0.15	0.11
47.5	1.75	3.40	3.22	2.99	2.74	2.47	2.19	1.88	1.56	1.49
42.5	3.13	6.14	5.92	5.63	5.28	4.86	4.39	3.89	3.35	3.45
37.5	5.48	10.86	10.63	10.30	9.84	9.27	8.66	7.99	7.22	7.84
33	7.53	14.96	14.67	14.24	13.68	13.07	12.43	11.71	10.79	11.94
29	10.77	21.39	20.91	20.13	19.07	17.82	16.51	15.22	13.88	15.43
25.5	14.78	29.24	28.46	27.29	25.80	23.93	21.78	19.54	17.32	18.81
22.5	18.11	35.78	34.67	32.99	30.87	28.56	26.10	23.42	20.55	21.72
19.5	26.23	51.78	49.83	46.85	43.16	39.17	35.15	31.19	27.30	28.66
17	33.31	65.21	61.64	56.74	51.21	45.24	39.29	33.92	29.08	30.15
15	38.61 *	75.19 *	70.15 *	63.30	55.69	47.95	40.59	34.16	28.57	28.92
13	54.63 *	105.98 *	97.84 *	86.56 *	73.98 *	61.93 *	51.18	41.96	34.31	33.99
11	78.81 *	151.76 *	137.74 *	118.95 *	98.73 *	79.95 *	63.96 *	51.15	40.84	39.71
9	113.02 *	216.95 *	193.87 *	163.65 *	131.70 *	102.81 *	79.30 *	61.43 *	48.04	45.94
7	159.19 *	304.83 *	269.26 *	222.23 *	173.62 *	130.90 *	96.96 *	72.43 *	55.31	52.03
5	214.37 *	408.54 *	357.67 *	291.06 *	222.41 *	162.67 *	116.29 *	83.63 *	61.96 *	57.29
3	265.81 *	503.34 *	440.17 *	357.96 *	270.41 *	193.15 *	134.14 *	93.44 *	67.57 *	61.55
1	302.29 *	570.45 *	500.81 *	408.66 *	307.83 *	216.93 *	146.85 *	100.07 *	71.54 *	64.52
0	159.86 *	301.73 *	264.08 *	214.83 *	161.72 *	113.39 *	75.82 *	51.17 *	36.50 *	32.84
-1	161.59 *	304.97 *	266.66 *	216.57 *	162.51 *	113.57 *	75.94 *	51.30 *	36.56 *	32.84
	313.70 *	592.72 *	519.81 *	420.91 *	312.82 *	218.20 *	147.87 *	101.09 *	71.97 *	64.52

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

-3	285.44 *	540.45 *	471.53 *	377.39 *	277.69 *	195.54 *	136.41 *	95.26 *	68.26 *	61.45
-5	237.23 *	447.98 *	386.86 *	308.06 *	229.52 *	166.76 *	120.06 *	85.90 *	62.65 *	56.91
-7	175.18 *	329.72 *	284.37 *	231.27 *	180.34 *	137.09 *	101.68 *	74.71 *	55.87	51.31
-9	118.70 *	225.80 *	200.31 *	170.27 *	139.24 *	109.64 *	83.63 *	63.27 *	48.35	45.04
-11	81.15 *	157.20 *	144.49 *	126.47 *	105.69 *	85.26 *	66.99 *	52.28	40.82	38.74
-13	57.20 *	111.68 *	104.06 *	92.59 *	78.93 *	65.34 *	52.96	42.52	34.04	32.79
-15	40.51 *	79.31 *	74.49 *	67.52 *	59.13	50.14	41.64	34.30	27.94	27.12
-17	35.16	69.05	65.48	60.24	53.81	46.57	39.42	32.95	27.08	26.69
-19.5	26.44	52.26	50.17	46.89	42.70	37.75	32.56	27.63	23.11	23.50
-22.5	15.59	31.01	30.06	28.41	26.19	23.52	20.71	18.07	15.63	16.39
-25.5	10.64	21.18	20.67	19.73	18.41	16.79	15.11	13.54	11.98	12.77
-29	6.37	12.75	12.57	12.14	11.49	10.66	9.75	8.83	7.86	8.37
-33	3.03	6.16	6.15	5.97	5.60	5.03	4.37	3.78	3.30	3.41
-37.5	0.80	1.63	1.62	1.57	1.43	1.19	0.93	0.68	0.50	0.46
-42.5	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	3076.83	5862.21	5201.58	4331.00	3403.77	2577.5	1921.91	1444.54	1111.76	1058.67

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	1.19	0.69	0.43	0.20	0.04	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

47.5										
	3.16	2.22	1.57	0.79	0.23	0.04	0.00	0.00	0.00	0.00
42.5	7.61	5.57	4.17	2.56	1.14	0.27	0.02	0.00	0.00	0.00
37.5	11.80	9.00	7.44	5.12	2.61	0.87	0.10	0.00	0.00	0.00
33	15.64	12.39	10.60	7.77	4.41	1.65	0.28	0.01	0.00	0.00
29	18.98	15.19	13.03	9.90	6.04	2.42	0.50	0.03	0.00	0.00
25.5	21.13	16.67	14.42	11.00	7.01	3.09	0.69	0.08	0.00	0.00
22.5	27.08	20.65	17.62	13.38	8.86	4.21	0.97	0.15	0.00	0.00
19.5	28.07	20.81	17.43	13.07	8.68	4.37	1.05	0.17	0.00	0.00
17	26.49	19.30	15.97	11.77	7.65	4.02	1.02	0.17	0.00	0.00
15	30.36	21.77	17.84	12.97	8.34	4.41	1.18	0.20	0.00	0.00
13	34.68	24.31	19.57	14.13	9.13	4.78	1.33	0.23	0.00	0.00
11	39.41	26.93	21.23	15.26	9.90	5.12	1.46	0.26	0.00	0.00
9	43.98	29.49	22.80	16.34	10.58	5.46	1.56	0.28	0.00	0.00
7	47.92	31.84	24.18	17.23	11.07	5.71	1.63	0.29	0.00	0.00
5	51.11	33.85	25.35	17.91	11.41	5.86	1.66	0.29	0.00	0.00
3	53.35	35.33	26.21	18.32	11.60	5.96	1.66	0.28	0.00	0.00
1	27.16	18.01	13.29	9.24	5.83	2.99	0.82	0.14	0.00	0.00
0	27.12	17.96	13.24	9.19	5.79	2.97	0.80	0.13	0.00	0.00
-1	53.04	34.97	25.82	17.93	11.30	5.75	1.53	0.24	0.00	0.00
-3	50.45	33.15	24.58	17.16	10.83	5.43	1.42	0.21	0.00	0.00
-5	46.81	30.80	23.04	16.20	10.26	5.04	1.29	0.17	0.00	0.00
-7	42.41	28.07	21.25	15.08	9.57	4.54	1.13	0.13	0.00	0.00
-9	37.62	25.07	19.15	13.79	8.73	3.94	0.96	0.10	0.00	0.00
-11	32.79	22.04	16.98	12.42	7.81	3.33	0.78	0.07	0.00	0.00
-13	28.07	19.21	15.00	11.07	6.83	2.71	0.59	0.04	0.00	0.00
-15	23.54	16.49	13.14	9.74	5.80	2.13	0.41	0.02	0.00	0.00
-17	23.82	17.04	13.92	10.33	5.81	1.99	0.31	0.01	0.00	0.00
-19.5	21.68	15.86	13.44	9.64	4.90	1.57	0.15	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

-22.5	15.52	11.88	10.09	6.51	2.91	0.84	0.03	0.00	0.00	0.00
-25.5	12.45	9.60	7.39	4.15	1.61	0.35	0.00	0.00	0.00	0.00
-29	7.94	5.50	3.56	1.71	0.56	0.08	0.00	0.00	0.00	0.00
-33	2.88	1.63	0.82	0.28	0.07	0.00	0.00	0.00	0.00	0.00
-37.5	0.33	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	915.67	633.46	494.60	352.18	217.30	101.91	25.32	3.73	0.00	0.00

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.00	
85	0.00	0.00	0.00	
75	0.00	0.00	0.00	
65	0.00	0.00	4.33	
55	0.00	0.00	26.22	
47.5	0.00	0.00	54.02	
42.5	0.00	0.00	109.45	
37.5	0.00	0.00	161.96	
33	0.00	0.00	223.88	
29	0.00	0.00	293.04	
25.5	0.00	0.00	346.85	
22.5	0.00	0.00	472.22	
19.5	0.00	0.00	539.43	
17	0.00	0.00	569.51	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

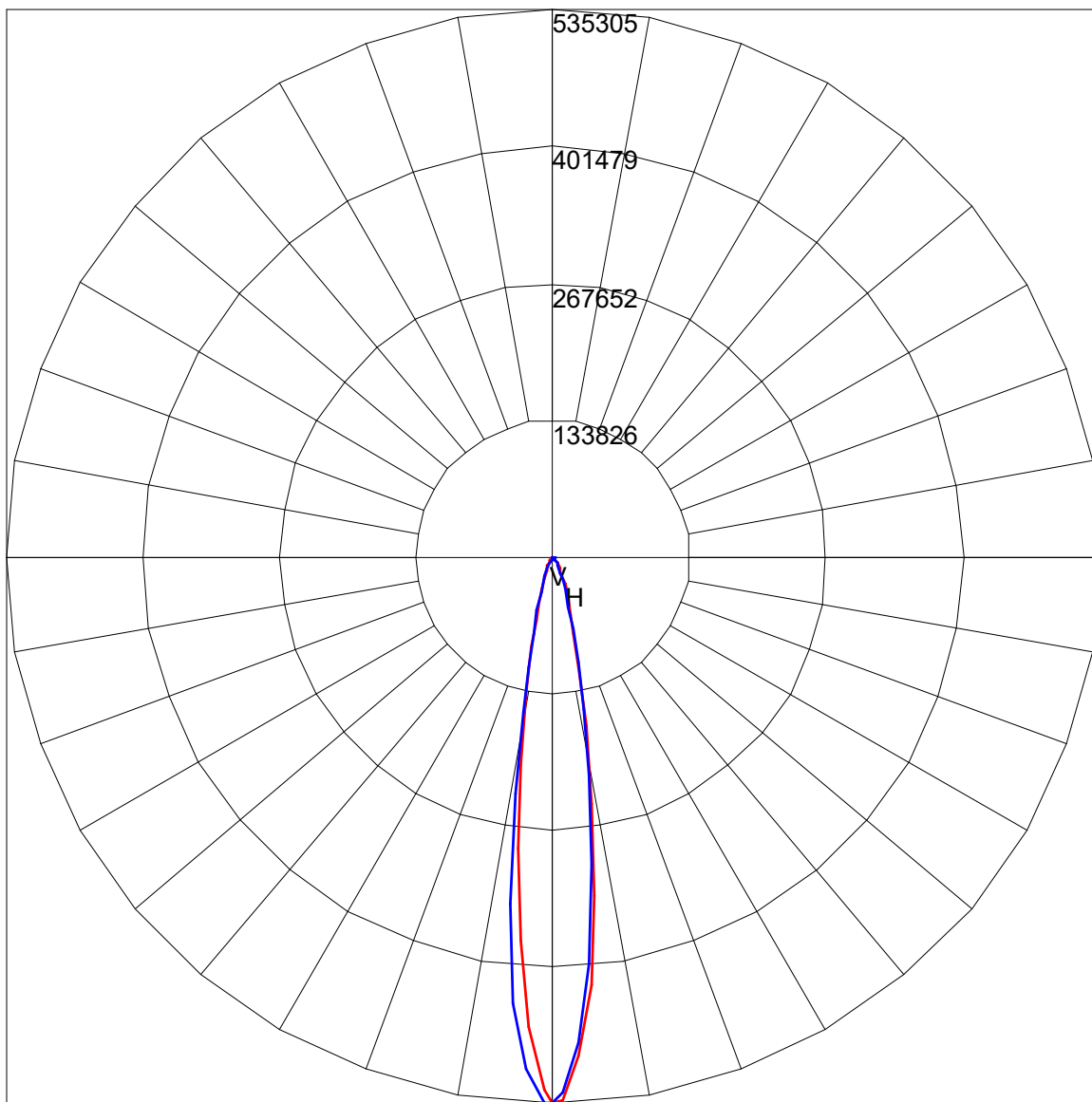
15	0.00	0.00	739.42
13	0.00	0.00	969.77
11	0.00	0.00	1276.31
9	0.00	0.00	1667.26
7	0.00	0.00	2115.74
5	0.00	0.00	2534.98
3	0.00	0.00	2842.66
1	0.00	0.00	1489.41
0	0.00	0.00	1499.72
-1	0.00	0.00	2914.18
-3	0.00	0.00	2652.64
-5	0.00	0.00	2235.54
-7	0.00	0.00	1743.73
-9	0.00	0.00	1313.6
-11	0.00	0.00	995.30
-13	0.00	0.00	755.64
-15	0.00	0.00	573.38
-17	0.00	0.00	529.67
-19.5	0.00	0.00	430.27
-22.5	0.00	0.00	273.33
-25.5	0.00	0.00	196.38
-29	0.00	0.00	120.13
-33	0.00	0.00	52.49
-37.5	0.00	0.00	11.32
-42.5	0.00	0.00	0.13
-47.5	0.00	0.00	0.00
-55	0.00	0.00	0.00
-65	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

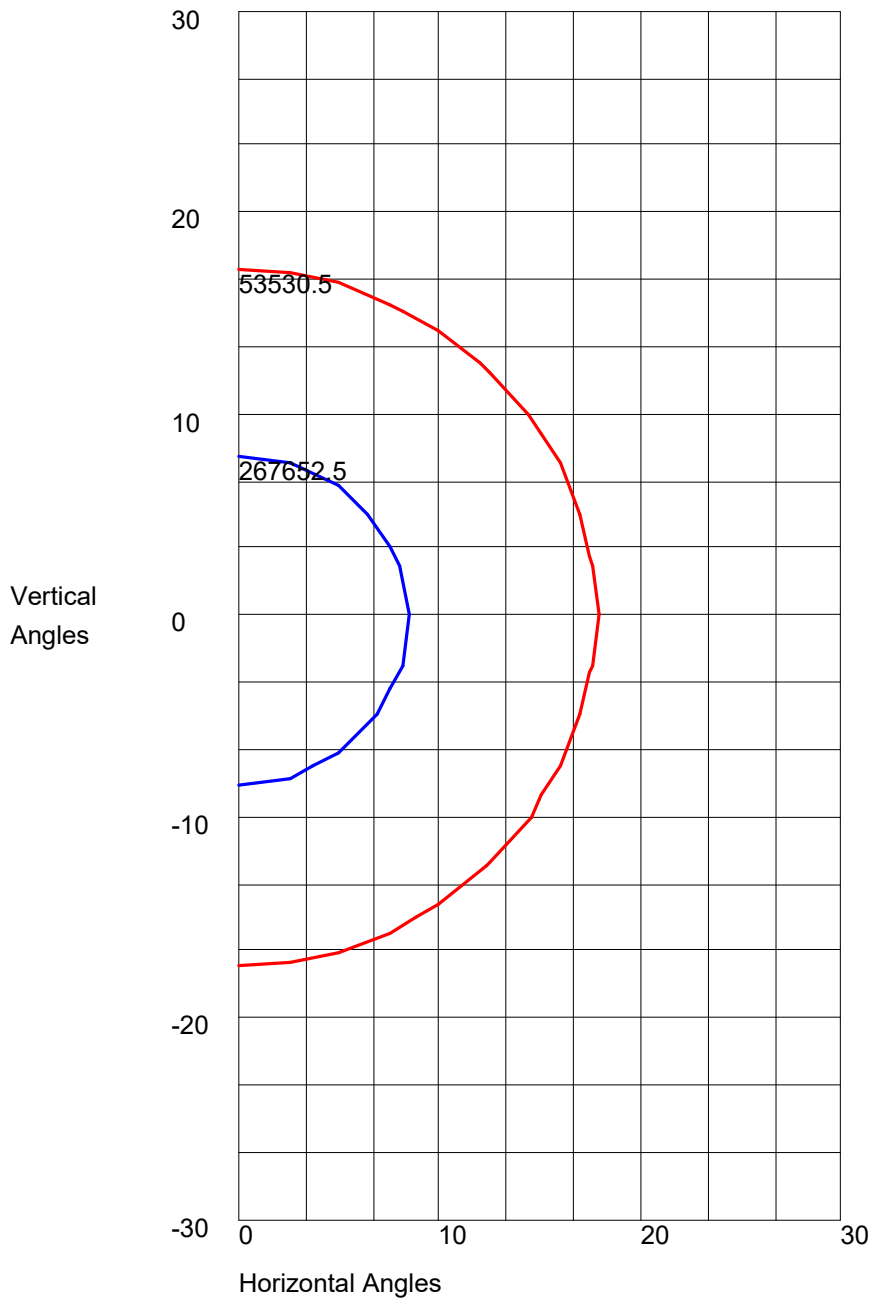
-75	0.00	0.00	0.00
-85	0.00	0.00	0.00
-90			
Total	0.00	0.00	32733.92

AXIAL CANDELA DISPLAY



Maximum Candela = 535304.95 Located At Horizontal Angle = 0, Vertical Angle = -1
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 535304.95 Located At Horizontal Angle = 0, Vertical Angle = -1
50% Maximum Candela = 267652.475
10% Maximum Candela = 53530.495



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194042
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-24WS
[LUMINAIRE] 500W LED FLOOD LIGHT - 24 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	216573.5
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	23.6
Vertical Beam Angle (50%)	23.5
Horizontal Field Angle (10%)	49.9
Vertical Field Angle (10%)	49.7
Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Beam Lumens	19986
Beam Efficiency	31 %
Field Lumens	42102
Field Efficiency	65 %
Spill Lumens	18509
Luminaire Lumens	60611
Total Efficiency	93 %
Total Luminaire Watts	500
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	68.724	90	47.983
85	143.02	85	132.516
75	481.819	75	463.353
65	1093.105	65	1074.71
55	2309.97	55	2660.515
47.5	4315.61	47.5	4573.368
42.5	6233.175	42.5	6570.785
37.5	8579.025	37.5	8924.5
33	11362.39	33	11723.789
29	15109.12	29	15647.58
25.5	20191.015	25.5	21069.36
22.5	28989.676	22.5	30371.575
19.5	40522.367	19.5	42535.675
17	57822.441	17	60717.8
15	71662.5	15	75263.5
13	95182.1	13	100447.1
11	118701.7	11	125630.7
9	142647.7	9	150807.8
7	167020.1	7	175978.4
5	191392.5	5	201149
3	201464.9	3	207318.8
1	211537.3	1	213488.6
0	216573.5	0	216573.5
-1	211309.8	-1	211131.7
-3	200782.4	-3	200248.1
-5	190255	-5	189364.5
-7	165646	-7	162327.1
-9	141037	-9	135289.7
-11	116989.6	-11	110270.03
-13	93503.8	-13	87268.091
-15	70018	-15	64266.152
-17	56574.959	-17	51868.571
-19.5	39771.158	-19.5	36371.594
-22.5	28609.75	-22.5	26348.4
-25.5	20088.837	-25.5	18772.455
-29	15046.98	-29	14207.439
-33	11307.4	-33	10797.93
-37.5	8577.725	-37.5	8239.4
-42.5	6245.07	-42.5	5979.968
-47.5	4272.093	-47.5	4092.953
-55	2248.48	-55	2319.785
-65	1054.69	-65	944.84
-75	456.879	-75	417.261
-85	124.026	-85	118.924
-90	54.259	-90	57.323

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

CANDELA TABULATION

Maximum Candela = 216573.5

Beam Edge = 108286.75 Cd (50% of Max.)

Field Edge = 21657.35 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	54.119	54.062	53.947	53.830	53.843	53.949	54.019	54.088	54.150	53.984
85.0	54.131	60.112	71.774	82.715	93.192	100.847	105.600	110.025	113.692	116.744
75.0	54.155	72.056	107.014	161.177	231.910	281.678	323.865	363.059	395.444	421.489
65.0	54.178	83.465	160.588	285.573	451.198	595.274	707.130	822.809	919.495	995.810
55.0	54.199	93.997	226.386	440.755	718.304	969.305	1130.385	1337.976	1502.008	1637.552
47.5	54.213	101.128	271.393	563.658	936.240	1305.851	1578.560	1993.344	2344.805	2722.428
42.5	54.222	105.448	308.349	644.952	1076.959	1566.091	2065.829	2604.362	3185.360	3674.889
37.5	54.230	109.380	341.709	718.857	1273.438	1967.516	2592.911	3371.158	4203.289	4971.948
33.0	54.236	112.564	368.435	788.074	1431.471	2299.187	3166.688	4197.537	5230.876	6324.464
29.0	54.241	115.094	389.424	847.465	1562.731	2658.928	3642.598	4966.084	6326.918	7604.264
25.5	54.245	117.065	405.569	893.951	1726.240	2971.686	4166.064	5661.275	7246.425	8647.504
22.5	54.248	118.570	417.712	929.502	1849.810	3211.330	4568.544	6281.125	8001.607	9519.335
19.5	54.251	119.898	428.260	960.914	1957.488	3422.994	4925.008	6836.973	8687.684	10492.815
17.0	54.253	120.868	435.813	983.816	2034.744	3601.826	5184.719	7246.991	9191.445	11461.859
15.0	54.254	121.552	441.039	999.933	2088.225	3758.971	5413.890	7538.493	9549.035	12141.299
13.0	54.255	122.155	445.534	1014.045	2134.212	3895.953	5631.477	7811.961	9863.637	12739.419
11.0	54.256	123.961	449.296	1026.117	2172.643	4012.333	5817.591	8045.895	10258.536	13251.261
9.0	54.257	123.973	452.324	1036.114	2203.481	4107.748	5971.315	8238.940	10635.056	13672.412
7.0	54.258	123.984	454.617	1044.005	2226.710	4181.911	6091.868	8389.962	10930.363	14166.183
5.0	54.258	123.996	458.442	1049.764	2242.342	4234.626	6178.623	8498.095	11142.780	14650.840
3.0	54.259	124.008	457.818	1055.829	2258.748	4265.783	6231.117	8562.752	11271.417	14948.805
1.0	54.259	124.020	457.192	1055.070	2251.905	4275.368	6249.076	8583.666	11316.220	15060.336
0.0	54.259	124.026	456.879	1054.690	2248.480	4272.093	6245.070	8577.725	11307.400	15046.980
-1.0	54.259	124.026	456.876	1053.630	2247.142	4265.081	6233.091	8558.530	11274.751	14990.095
-3.0	54.259	123.955	456.869	1051.513	2244.469	4235.068	6183.406	8487.880	11148.492	14741.981
-5.0	54.258	123.908	456.862	1042.632	2218.801	4183.923	6099.918	8375.081	10942.786	14318.935
-7.0	54.258	123.861	452.428	1034.110	2194.123	4111.940	5983.371	8221.411	10660.426	13727.723
-9.0	54.257	123.814	449.532	1023.545	2162.212	4019.503	5834.671	8028.394	10304.777	13142.679
-11.0	54.256	123.767	445.918	1010.987	2123.155	3907.062	5654.854	7797.736	9879.656	12640.189
-13.0	54.255	121.933	441.590	996.491	2077.055	3775.139	5445.069	7531.301	9444.843	12066.261
-15.0	54.254	121.300	436.552	980.111	2024.038	3624.308	5206.555	7231.046	9089.948	11426.839
-17.0	54.253	120.586	430.811	961.907	1964.242	3455.195	4959.244	6913.359	8700.861	10727.778
-19.5	54.251	119.583	422.655	936.675	1880.202	3263.662	4680.428	6476.986	8170.592	9777.536
-22.5	54.248	118.217	411.455	902.925	1766.167	3040.477	4307.572	5899.600	7475.423	8842.236
-25.5	54.245	116.680	398.743	865.583	1638.338	2794.032	3896.108	5269.392	6734.487	7998.084
-29.0	54.241	114.676	382.052	817.755	1472.672	2479.521	3371.666	4582.645	5831.306	6995.753
-33.0	54.236	112.119	360.604	757.878	1340.842	2124.026	2904.312	3837.440	4766.851	5756.658
-37.5	54.230	108.917	333.588	689.016	1186.207	1800.054	2356.023	3047.419	3787.481	4463.415
-42.5	54.222	104.980	300.197	615.861	998.651	1419.444	1859.975	2325.778	2831.064	3249.641
-47.5	54.214	100.674	263.520	536.631	865.659	1180.295	1411.185	1765.361	2054.391	2371.454
-55.0	54.199	93.595	219.542	418.020	663.864	879.810	1005.840	1177.469	1309.581	1415.943
-65.0	54.178	83.187	156.093	268.949	417.419	547.410	649.547	756.106	835.306	890.094
-75.0	54.155	71.953	104.896	153.192	214.269	257.489	294.811	328.956	356.719	378.733
-85.0	54.131	60.214	71.454	81.186	89.218	94.424	97.514	100.266	102.431	104.424
-90.0	54.119	54.271	54.572	54.871	54.332	53.302	52.614	51.925	51.305	51.106

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	53.262	52.642	52.022	51.505	51.092	50.678	50.264	49.849	49.435	49.021
85.0	119.420	121.582	123.609	125.183	126.362	127.465	129.959	130.423	130.888	131.353
75.0	436.844	447.587	456.150	461.659	465.029	467.500	469.094	469.836	469.751	471.116
65.0	1035.592	1054.401	1070.057	1080.477	1086.967	1091.723	1094.659	1095.692	1094.742	1091.731
55.0	1818.386	1965.639	2103.884	2210.792	2290.194	2363.607	2430.529	2490.455	2542.889	2587.344
47.5	3050.690	3306.285	3539.831	3736.269	3910.900	4066.342	4201.991	4317.301	4411.789	4485.049
42.5	4214.342	4632.877	5013.847	5300.356	5550.539	5789.835	5999.114	6177.277	6323.335	6436.434
37.5	5667.308	6299.843	6868.735	7306.103	7622.962	7926.058	8192.012	8419.124	8605.854	8750.875
33.0	7234.180	7975.185	8670.332	9192.607	9584.051	9936.425	10376.629	10803.871	111152.795	11420.659
29.0	8635.951	9490.424	10439.588	11415.572	12126.895	12779.847	13353.653	13843.040	14422.233	15008.178
25.5	9820.656	11234.798	12669.801	13757.809	15046.425	16441.684	17688.837	18760.373	19642.115	20321.232
22.5	11253.658	12934.579	14913.337	17224.710	18921.442	20463.769	22000.117	24592.984	26757.352	28449.482 *
19.5	12716.251	14941.660	18217.985	20758.055	23662.276	27375.380	30692.955	33676.640	36205.506	38214.063 *
17.0	13834.155	17279.918	20785.593	25553.750	29976.287	34057.610	37736.767	41103.547	45750.142	50454.973 *
15.0	15113.103	19000.455	23725.059	30023.019	34760.144	40100.389	46698.880	56295.599	62988.328	68488.816 *
13.0	16433.042	20517.247	27501.838	34179.616	40181.658	50363.334	59750.002	68143.095	76788.636	87421.644 *
11.0	17567.684	21912.291	30803.577	37963.752	448903.658	59882.933	70135.212	83674.765	97814.096	109870.870 *
9.0	18505.156	24300.836	33461.493	44146.434	56667.861	68466.061	83822.896	101730.220	117784.288	1332.994 *
7.0	19235.536	26191.128	35552.643	49500.007	62573.120	76873.389	98004.416	117785.345	136034.265	152098.027 *
5.0	19751.629	27557.738	37037.283	53442.609	66883.962	85788.617	108485.689	130871.301	151684.603	170651.246 *
3.0	20049.618	28384.995	38907.702	55871.097	69483.119	91507.754	114991.682	138582.799	162226.555	185106.418 *
1.0	20129.541	28669.077	39820.142	56732.071	70508.918	93735.924	117392.586	141542.943	166191.307	192076.004 *
0.0	20088.837	28609.750	39771.158	56574.959	70018.000	93503.800	116989.600	141037.000	165646.000	190255.000 *
-1.0	20012.636	28458.172	39464.984	56169.282	69726.518	92693.029	115991.835	139791.440	164127.153	189472.824 *
-3.0	19704.685	27769.696	37880.062	54238.678	67222.390	88487.187	110962.048	133397.259	156188.558	177699.718 *
-5.0	19195.622	26588.792	35436.273	50900.034	63366.627	81087.862	102287.032	122653.011	142284.979	159730.851 *
-7.0	18495.485	24948.426	33479.926	46288.108	58128.610	70913.745	90388.956	108203.953	123996.812	138439.735 *
-9.0	17616.531	22887.348	31064.911	40558.449	51699.381	62057.086	75757.706	91671.558	105272.736	116024.866 *
-11.0	16572.442	20447.168	28248.986	34367.629	44063.658	53588.189	62179.777	73823.830	85768.539	996258.977 *
-13.0	15377.595	18967.773	25032.838	30717.044	35767.969	44539.109	52359.340	59027.406	65970.714	75633.077 *
-15.0	14046.406	17455.524	21519.596	26840.464	30722.404	35057.389	42219.332	48281.715	53879.984	58581.639 *
-17.0	12805.589	15820.934	18802.174	22785.003	26397.076	29617.467	32389.747	37606.121	42820.616	46974.191 *
-19.5	11736.131	13658.217	16428.872	18500.044	20836.733	23779.254	26304.377	28803.003	30929.175	32617.215 *
-22.5	10367.091	11808.231	13464.062	15351.035	16688.069	17855.790	19140.893	21344.642	23187.151	24634.798 *
-25.5	9039.532	10252.431	11449.648	12330.747	13353.333	14497.977	15589.843	16541.311	17339.700	17973.150
-29.0	7905.854	8652.129	9457.158	10252.786	10845.138	11446.506	11985.019	12455.421	12995.523	13537.316
-33.0	6570.042	7218.456	7814.554	8268.005	8653.980	9007.046	9424.683	9828.645	10167.434	10437.831
-37.5	5072.444	5628.491	6119.653	6543.674	6857.562	7157.775	7425.582	7659.048	7856.335	8015.759
-42.5	3715.086	4068.424	4408.901	4678.716	4920.413	5155.600	5364.255	5544.988	5696.482	5817.516
-47.5	2645.632	2860.243	3080.136	3266.784	3432.438	3580.932	3711.685	3824.164	3917.891	3992.455
-55.0	1557.889	1682.883	1803.137	1897.729	1968.971	2035.675	2097.280	2153.219	2202.926	2245.837
-65.0	914.909	925.555	935.325	942.467	947.328	951.278	954.172	955.868	956.222	955.091
-75.0	392.612	402.350	410.136	415.169	418.267	420.557	422.059	422.796	422.789	424.096
-85.0	106.952	108.958	110.811	112.236	113.297	114.286	116.336	116.806	117.277	117.747
-90.0	51.858	52.502	53.146	53.682	54.111	54.540	54.969	55.397	55.825	56.254
Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	48.606	48.191	47.983	48.409	49.260	50.111	50.962	51.812	52.662	53.513
85.0	131.818	132.283	132.516	132.779	133.304	133.828	134.353	134.878	135.403	133.807
75.0	468.011	464.906	463.353	465.382	469.438	473.494	473.095	474.146	474.379	473.771
65.0	1089.137	1079.520	1074.710	1076.893	1081.257	1078.871	1077.109	1073.654	1068.687	1062.387

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

55.0	2633.865	2651.628	2660.515	2647.703	2622.095	2567.985	2516.143	2456.674	2390.163	2317.194
47.5	4536.748	4566.646	4573.368	4559.653	4515.891	4450.684	4364.505	4257.910	4131.519	3986.014
42.5	6515.868	6561.106	6570.785	6549.511	6481.340	6379.747	6245.759	6080.558	5885.442	5661.804
37.5	8853.095	8911.711	8924.500	8894.601	8801.999	8666.486	8489.308	8271.969	8016.170	7723.780
33.0	11605.374	11705.582	11723.789	11678.318	11524.784	11290.307	10978.478	10593.430	10139.694	9677.763
29.0	15407.923	15616.226	15647.580	15568.836	15268.323	14783.953	14125.632	13485.662	12945.222	12335.502
25.5	20787.000	21031.559	21069.360	20955.185	20561.559	19957.528	19157.412	18177.397	17034.583	15746.176
22.5	29629.683	30265.396	30371.575	30158.316	29313.451	27938.704	26075.065	23768.959	21068.934	19495.387
19.5	40714.263	42279.211	42535.675	42131.547	40279.901	37516.925	35277.477	32559.877	29440.641	26153.235
17.0	58427.664	60358.092	60717.800	60161.239	57849.779	54051.135	49929.952	4667.099	36240.614	32581.187
15.0	72492.575	75032.776	75263.500	74784.499	71766.996	67336.138	61483.095	5559.930	46925.601	38376.734
13.0	95188.908	99608.782	100447.100	99261.387	94189.891	85889.882	74892.821	66082.097	57637.369	48304.745
11.0	119093.633	124521.956	125630.700	124038.691	117712.071	107772.939	95314.313	81109.021	67613.591	57435.275
9.0	142536.610	149349.264	150807.800	148667.181	140613.158	128474.021	114590.058	98474.313	80712.672	65572.081
7.0	165298.872	174027.713	175978.400	173030.442	162548.605	148502.156	132012.521	113724.399	94173.429	73903.217
5.0	186577.734	195561.412	1971149.000	197995.919	182609.033	166548.794	147166.264	126221.433	105373.158	83807.511
3.0	199135.630	205183.422	207318.802	203570.954	195601.009	180794.408	159006.773	136231.517	113572.140	90838.633
1.0	201809.204	20760.302	213488.602	209581.872	200461.604	191211.622	175980.001	141803.457	118017.619	94605.025
0.0	200782.402	211309.802	216573.502	211537.302	201464.900	191392.500	17020.100	142647.700	118701.709	95182.100
-1.0	199121.362	207901.802	211131.702	208939.369	199727.181	190500.332	165287.015	141128.561	117451.869	94189.179
-3.0	190568.175	197144.232	200248.100	199669.089	193674.650	178597.779	156892.531	134183.484	111947.938	90936.887
-5.0	173126.224	187207.646	189364.500	189658.951	179351.071	163141.415	143671.579	122888.544	102885.028	81945.873
-7.0	150872.790	160169.108	162327.100	161882.175	155725.001	143505.028	127061.759	109789.919	91110.643	71560.158
-9.0	126957.197	133870.429	135289.700	135170.204	130714.335	121792.512	109338.119	94281.316	77400.227	63040.433
-11.0	104556.568	109348.136	110270.030	110326.115	107356.833	100525.129	91175.245	76927.689	64303.881	51944.812
-13.0	82640.425	86563.931	87268.091	87274.149	84686.597	78782.532	69893.300	62180.896	54584.759	46025.985
-15.0	61973.678	64095.617	64266.152	64610.481	63456.332	60873.861	56746.105	51172.087	44295.374	36458.192
-17.0	49928.606	51567.925	51868.571	51930.241	50975.199	48589.913	44831.207	39798.693	34140.899	30947.021
-19.5	34775.123	36139.683	36371.594	36356.192	35396.894	33575.107	32172.698	30246.373	27830.916	24943.031
-22.5	25657.970	26233.471	26348.400	26363.147	26036.740	25232.740	23957.054	22225.452	20061.638	18767.596
-25.5	18431.273	18705.841	18772.455	18780.615	18651.942	18328.984	17813.556	17110.621	16227.802	15174.767
-29.0	13925.349	14154.061	14207.439	14200.093	14060.893	13754.837	13282.857	12803.666	12390.059	11897.358
-33.0	10637.079	10762.987	10797.930	10792.293	10724.130	10580.052	10360.635	10067.162	9701.560	9316.026
-37.5	8135.817	8215.244	8239.400	8234.320	8192.614	8108.988	7983.887	7818.047	7612.453	7368.329
-42.5	5906.987	5963.940	5979.968	5977.027	5946.102	5882.226	5786.074	5658.483	5500.427	5312.996
-47.5	4047.509	4082.789	4092.953	4092.716	4077.195	4041.614	3986.052	3910.673	3815.721	3701.514
-55.0	2290.875	2310.144	2319.785	2316.548	2310.077	2277.494	2246.762	2208.756	2163.911	2112.669
-65.0	954.470	948.051	944.840	951.443	964.645	971.910	979.579	985.573	989.984	992.903
-75.0	421.362	418.628	417.261	420.073	425.696	431.317	432.840	435.667	437.711	438.944
-85.0	118.218	118.689	118.924	119.337	120.164	120.991	121.818	122.645	123.472	122.611
-90.0	56.682	57.110	57.323	57.432	57.650	57.868	58.085	58.302	58.519	58.736

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	54.362	55.212	56.274	57.548	58.821	60.307	60.997	61.396	61.838	62.280
85.0	133.644	133.391	132.949	132.241	131.348	130.083	127.121	123.083	118.274	113.177
75.0	472.297	469.938	465.715	458.733	449.615	436.220	408.744	374.722	333.893	290.279
65.0	1054.934	1046.508	1034.875	1019.751	1003.897	972.534	909.176	821.630	707.249	596.293
55.0	2238.361	2154.247	2042.559	1900.385	1751.888	1580.003	1445.062	1284.084	1084.716	945.204
47.5	3822.127	3640.626	3435.559	3192.199	2940.350	2621.873	2258.368	1922.968	1524.672	1263.067
42.5	5411.108	5151.739	4854.057	4471.611	4066.122	3546.292	3072.074	2512.032	1995.173	1513.469
37.5	7396.782	7064.066	6614.977	6064.341	5456.024	4787.169	4048.595	3251.082	2504.159	1905.560
33.0	9295.739	8878.384	8351.942	7662.053	6938.826	6067.657	5025.938	4038.446	3054.549	2238.776
29.0	11663.088	10973.490	10050.538	9130.272	8286.325	7271.189	6056.138	4765.622	3522.196	2597.977
25.5	14373.938	13144.149	12114.114	10763.888	9429.155	8276.347	6915.598	5424.896	4037.581	2912.400

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

22.5	18016.31916395.67914195.92812327.90310755.5919113.688	7629.749	6031.641	4439.300	3156.627
19.5	22513.13619704.50017288.00514182.51512094.13610026.7638329.192	6582.609	4800.667	3375.695	
17.0	28571.94324270.26319682.28916362.13613111.75610959.0248863.141	6994.936	5068.678	3561.334	
15.0	33122.51628517.54822452.14517960.63214343.26311647.4299253.181	7293.012	5302.618	3723.668	
13.0	38270.72332431.13226013.49419432.10415686.69812272.6499607.136	7591.321	5525.909	3867.399	
11.0	46635.26835952.04129231.22620911.71816879.98912828.99110032.3547854.034	5720.345	3991.970		
9.0	54004.16142173.27932101.97123417.77317909.26613310.78210442.8178079.120	5884.880	4096.877		
7.0	60468.70447985.66134520.79825504.91918761.19613878.13510781.9618264.653	6018.572	4181.683		
5.0	65643.90152577.50836431.95327133.70319423.67314450.69411046.3358408.870	6120.606	4246.019		
3.0	69317.62755801.15238815.70528269.17619886.53514848.93611232.9998510.205	6190.307	4289.596		
1.0	71547.03857537.21840290.24728883.72420142.28415067.86711339.6258567.352	6227.170	4312.207		
0.0	71662.50057822.44140522.36728989.67620191.01515109.12011362.3908579.025	6233.175	4315.610		
-1.0	71240.21557328.87740174.78128824.53020117.65015058.11911335.0608563.070	6222.841	4309.030		
-3.0	68437.05255201.84338486.73028098.26719814.58214821.01011219.4438497.278	6177.342	4280.106		
-5.0	64291.21351660.52735933.30026870.52219310.12014408.48011024.1998387.050	6099.077	4230.340		
-7.0	58795.04746861.70133887.20425180.07518615.16213827.89610751.9138233.537	5988.596	4160.015		
-9.0	52188.53640977.14131389.98323070.71817742.71413254.60510405.7578038.161	5846.618	4069.499		
-11.0	44866.84834801.22628504.28620588.10316707.07112763.7429989.382	7802.554	5673.998	3959.229	
-13.0	36692.37331307.09225332.30319112.38715523.07012200.1349557.577	7528.532	5471.713	3829.712	
-15.0	31702.72427505.45221881.13917654.41014205.43511569.5979192.282	7218.033	5240.843	3681.508	
-17.0	27364.40123448.71319205.68616083.46412992.75710877.9098789.551	6911.214	5000.061	3515.227	
-19.5	21679.34519118.40616876.18513961.72611958.9189940.928	8237.767	6488.789	4725.886	3325.701
-22.5	17426.35915939.05013898.19612129.93910612.6819003.760	7513.958	5926.695	4358.950	3103.561
-25.5	13966.29712832.18911861.07910572.8559282.901	8139.730	6782.912	5309.927	3953.736
-29.0	11329.87110700.3969828.335	8942.918	8115.778	7110.827	5914.360
-33.0	8991.830	8627.827	8129.980	7460.199	6752.836
-37.5	7087.082	6795.252	6392.092	5857.855	5265.048
-42.5	5097.378	4873.530	4623.724	4283.361	3901.251
-47.5	3568.437	3416.939	3246.269	3042.751	2812.996
-55.0	2055.480	1992.795	1907.393	1795.723	1675.193
-65.0	994.425	994.645	993.236	989.324	983.296
-75.0	439.334	438.855	436.993	432.847	426.546
-85.0	122.861	123.021	123.094	122.992	122.678
-90.0	58.953	59.170	59.440	59.764	60.088

Vert. Angles **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	62.942	64.249	65.981	67.710	68.575
85.0	105.114	94.963	84.952	74.153	68.588
75.0	239.912	174.202	122.509	86.893	68.614
65.0	452.213	293.984	176.799	99.087	68.638
55.0	712.098	448.172	242.473	110.370	68.660
47.5	921.742	571.725	287.949	118.029	68.676
42.5	1058.485	654.333	325.313	122.678	68.685
37.5	1253.605	730.171	359.222	126.920	68.693
33.0	1413.394	800.450	386.559	130.362	68.700
29.0	1548.549	861.003	408.178	133.106	68.705
25.5	1716.848	909.124	424.937	135.250	68.709
22.5	1845.805	946.500	437.647	136.891	68.713
19.5	1959.965	980.090	448.797	138.346	68.715
17.0	2043.382	1005.046	456.874	139.413	68.717
15.0	2102.233	1022.942	462.533	140.170	68.719
13.0	2153.935	1038.937	467.470	140.840	68.720
11.0	2198.376	1052.979	471.683	142.791	68.721
9.0	2235.463	1065.015	475.169	142.833	68.722

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

7.0	2265.126	1074.995	477.924	142.874	68.723
5.0	2287.315	1082.874	482.221	142.916	68.723
3.0	2310.425	1091.106	482.061	142.957	68.724
1.0	2310.122	1092.438	481.900	143.020	68.724
0.0	2309.970	1093.105	481.819	143.020	68.724
-1.0	2308.723	1092.109	481.807	142.987	68.724
-3.0	2306.232	1090.118	481.783	142.923	68.724
-5.0	2280.467	1081.232	481.759	142.858	68.723
-7.0	2255.735	1072.702	477.282	142.793	68.723
-9.0	2223.721	1062.078	474.348	142.729	68.722
-11.0	2184.526	1049.406	470.688	142.665	68.721
-13.0	2138.269	1034.738	466.304	140.695	68.720
-15.0	2085.087	1018.127	461.201	140.005	68.719
-17.0	2025.132	999.629	455.383	139.229	68.717
-19.5	1940.919	973.940	447.116	138.139	68.715
-22.5	1826.740	939.504	435.754	136.660	68.712
-25.5	1698.866	901.322	422.850	134.997	68.709
-29.0	1533.302	852.316	405.891	132.831	68.705
-33.0	1397.393	790.830	384.079	130.069	68.699
-37.5	1236.533	719.982	356.577	126.613	68.692
-42.5	1040.596	644.717	322.549	122.367	68.684
-47.5	902.898	563.214	285.138	117.725	68.675
-55.0	693.654	441.334	239.801	110.098	68.659
-65.0	441.464	288.125	174.578	98.892	68.637
-75.0	232.626	170.257	121.106	86.808	68.612
-85.0	102.589	93.893	84.689	74.198	68.586
-90.0	63.475	64.809	66.317	67.823	68.573

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 30305.28

Total Field Lumens (one side of beam only) = 21050.86

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.14	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.33
75	0.91	1.82	1.83	1.83	1.82	1.81	1.80	1.77	1.75	2.14
65	2.35	4.71	4.73	4.72	4.70	4.66	4.62	4.56	4.49	5.50
55	5.68	11.33	11.21	11.02	10.82	10.57	10.29	9.98	9.64	11.52
47.5	8.25	16.40	16.18	15.86	15.47	15.00	14.46	13.85	13.18	15.50
42.5	8.48	16.85	16.64	16.32	15.90	15.39	14.79	14.11	13.37	15.67
37.5	11.79	23.43	23.13	22.68	22.10	21.39	20.56	19.61	18.59	21.77
33	14.13	28.07	27.66	27.04	26.24	25.25	24.13	23.00	21.85	25.61
29	16.65	32.99	32.30	31.26	29.98	28.66	27.28	25.83	24.34	28.19
25.5	19.54	38.68	37.78	36.43	34.74	32.89	30.85	28.58	26.26	29.92
22.5	23.45 *	46.28 *	44.89 *	42.78 *	40.03 *	36.69	33.51	30.70	27.86	31.03
19.5	33.20 *	65.02 *	62.00 *	58.26 *	54.05 *	49.00 *	43.95 *	39.15	34.52	37.61
17	39.16 *	76.52 *	72.55 *	67.27 *	61.00 *	53.83 *	47.35 *	41.54 *	35.69 *	37.57
15	41.30 *	80.80 *	76.78 *	70.95 *	63.52 *	55.08 *	46.88 *	40.13 *	34.37 *	35.26 *
13	53.31 *	103.86 *	97.66 *	88.65 *	78.61 *	68.71 *	58.12 *	47.80 *	39.75 *	40.65 *
11	68.50 *	132.97 *	124.15 *	111.44 *	97.10 *	83.11 *	70.18 *	57.63 *	46.05 *	45.94 *
9	83.72 *	162.33 *	151.54 *	136.77 *	119.22 *	100.08 *	82.48 *	67.62 *	53.65 *	51.68 *
7	98.89 *	191.18 *	177.97 *	160.68 *	140.58 *	118.25 *	95.57 *	76.63 *	61.13 *	57.75 *
5	114.14 *	219.43 *	202.80 *	182.47 *	159.19 *	134.18 *	108.22 *	85.11 *	67.21 *	62.74 *
3	123.61 *	239.00 *	222.88 *	200.42 *	173.74 *	146.14 *	118.34 *	92.11 *	71.59 *	66.69 *
1	127.23 *	247.51 *	234.91 *	212.45 *	182.73 *	153.31 *	124.34 *	96.28 *	74.20 *	69.38 *
0	64.85 *	125.40 *	119.22 *	108.28 *	92.89 *	77.85 *	63.17 *	48.82 *	37.51 *	35.17 *
-1	64.54 *	124.87 *	118.71 *	107.82 *	92.50 *	77.52 *	62.92 *	48.63 *	37.37 *	35.06 *
	124.61 *	243.04 *	230.84 *	208.84 *	179.62 *	150.72 *	122.36 *	94.82 *	73.14 *	68.51 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

-3	118.25 *	229.90 *	215.12 *	193.61 *	167.73 *	141.17 *	114.60 *	89.33 *	69.59 *	65.04 *
-5	106.79 *	206.70 *	192.02 *	172.95 *	150.90 *	127.52 *	103.12 *	81.29 *	64.46 *	60.47 *
-7	90.34 *	175.86 *	164.70 *	149.26 *	131.15 *	110.78 *	89.72 *	72.17 *	57.90 *	55.05 *
-9	74.61 *	145.86 *	137.37 *	124.98 *	109.68 *	92.44 *	76.46 *	63.02 *	50.29 *	48.80 *
-11	60.05 *	117.62 *	110.98 *	100.42 *	88.04 *	75.80 *	64.43 *	53.27 *	42.83 *	43.09 *
-13	46.12 *	90.61 *	86.09 *	78.82 *	70.46 *	62.11 *	52.97 *	43.88 *	36.78 *	37.99 *
-15	35.37 *	69.79 *	67.05 *	62.60 *	56.58 *	49.48 *	42.48 *	36.69 *	31.73 *	32.90 *
-17	33.55 *	66.03 *	63.21 *	59.17 *	54.15 *	48.21 *	42.82 *	37.97 *	32.96 *	35.07
-19.5	28.62 *	56.38 *	54.22 *	51.42 *	48.16 *	44.09 *	39.93 *	35.90	31.96	35.14
-22.5	20.60 *	40.84 *	39.87 *	38.28	36.09	33.35	30.68	28.31	25.89	29.05
-25.5	17.56	34.87	34.21	33.14	31.76	30.21	28.47	26.51	24.50	28.07
-29	15.22	30.22	29.67	28.81	27.74	26.59	25.38	24.08	22.74	26.42
-33	13.04	25.92	25.58	25.05	24.34	23.47	22.46	21.43	20.37	23.87
-37.5	10.82	21.53	21.27	20.88	20.36	19.72	18.96	18.09	17.15	20.08
-42.5	7.66	15.26	15.08	14.81	14.45	14.00	13.46	12.85	12.17	14.28
-47.5	7.32	14.57	14.40	14.15	13.83	13.43	12.97	12.44	11.86	13.97
-55	4.97	9.93	9.85	9.72	9.57	9.38	9.16	8.91	8.63	10.37
-65	2.08	4.19	4.21	4.22	4.22	4.20	4.18	4.14	4.09	5.03
-75	0.82	1.65	1.66	1.66	1.65	1.65	1.64	1.62	1.60	1.96
-85	0.13	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.31
-90										
Total	1842.36	3590.76	3395.48	3108.74	2757.97	2388.26	2020.58	1680.71	1395.53	1418.19

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.39	0.38	0.43	0.47	0.49	0.50	0.45	0.58	0.58	0.37
85	2.49	2.40	2.66	2.81	2.82	2.70	2.24	2.60	2.25	1.17
75	6.41	6.16	6.81	7.13	7.02	6.49	5.16	5.61	4.35	1.93
65	13.00	12.05	12.79	13.00	12.65	11.51	9.06	9.72	7.23	2.96
55	17.18	15.59	16.10	15.77	14.78	12.97	9.89	10.41	7.58	2.98

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

47.5										
	17.30	15.59	15.90	15.29	13.91	11.81	8.62	8.61	6.11	2.36
42.5										
	23.90	21.32	21.55	20.55	18.36	15.23	10.84	10.37	7.05	2.66
37.5										
	28.07	25.03	25.29	23.88	21.01	17.17	11.95	11.08	7.20	2.63
33										
	30.61	27.28	27.65	26.06	22.72	18.29	12.48	11.25	7.04	2.52
29										
	32.06	28.04	28.18	26.65	23.19	18.47	12.49	11.06	6.70	2.34
25.5										
	32.36	27.71	27.30	25.59	22.32	17.76	11.90	10.39	6.17	2.09
22.5										
	38.07	31.68	30.55	28.12	24.50	19.45	12.88	11.14	6.52	2.17
19.5										
	36.99	29.87	28.04	25.46	21.94	17.36	11.42	9.81	5.67	1.85
17										
	33.54	26.50	24.31	21.68	18.45	14.59	9.59	8.19	4.67	1.51
15										
	37.66	28.90	26.15	22.73	19.17	15.19	9.99	8.48	4.77	1.53
13										
	41.87 *	31.17	27.88	23.72	19.88	15.75	10.35	8.73	4.86	1.55
11										
	46.10 *	33.68	29.36	24.65	20.59	16.22	10.66	8.94	4.94	1.57
9										
	50.13 *	36.28	30.67	25.54	21.20	16.60	10.91	9.11	5.00	1.58
7										
	53.30 *	38.31 *	31.82	26.38	21.67	16.90	11.10	9.24	5.05	1.59
5										
	55.99 *	39.75 *	32.70	27.04	22.01	17.12	11.24	9.34	5.09	1.60
3										
	58.02 *	40.57 *	33.20	27.43	22.21	17.24	11.32	9.39	5.11	1.61
1										
	29.38 *	20.42 *	16.68	13.79	11.14	8.64	5.67	4.70	2.55	0.80
0										
	29.30 *	20.38 *	16.66	13.77	11.13	8.63	5.67	4.69	2.55	0.80
-1										
	57.40 *	40.24 *	32.99	27.30	22.13	17.18	11.28	9.36	5.09	1.60
-3										
	54.82 *	39.10 *	32.30	26.79	21.85	17.00	11.17	9.28	5.06	1.60
-5										
	51.68 *	37.40 *	31.25	26.02	21.43	16.73	11.00	9.16	5.01	1.59
-7										
	48.18 *	35.18	29.95	25.08	20.88	16.38	10.77	9.00	4.95	1.57
-9										
	43.98 *	32.48	28.53	24.12	20.21	15.94	10.49	8.81	4.88	1.56
-11										
	39.72 *	29.90	26.97	23.11	19.45	15.43	10.15	8.57	4.80	1.54
-13										
	35.61	27.62	25.21	22.07	18.69	14.83	9.76	8.30	4.70	1.52
-15										
	31.65	25.26	23.37	20.98	17.92	14.19	9.34	7.99	4.59	1.49
-17										
	34.88	28.44	26.90	24.55	21.23	16.82	11.08	9.54	5.55	1.83
-19.5										
	35.90	30.12	29.23	27.00	23.58	18.75	12.44	10.80	6.37	2.13

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

-22.5	30.53	26.32	26.04	24.47	21.37	17.02	11.43	10.03	6.01	2.06
-25.5	30.24	26.57	26.78	25.36	22.07	17.59	11.93	10.64	6.51	2.30
-29	28.79	25.72	26.11	24.62	21.48	17.31	11.86	10.78	6.82	2.47
-33	26.21	23.40	23.67	22.37	19.71	16.16	11.29	10.56	6.95	2.57
-37.5	22.06	19.72	19.96	19.08	17.10	14.24	10.20	9.86	6.78	2.59
-42.5	15.79	14.26	14.58	14.07	12.87	10.99	8.09	8.16	5.86	2.30
-47.5	15.53	14.14	14.67	14.45	13.64	12.06	9.28	9.85	7.25	2.89
-55	11.76	10.98	11.74	12.03	11.79	10.80	8.54	9.20	6.91	2.87
-65	5.89	5.70	6.35	6.68	6.61	6.13	4.87	5.31	4.16	1.87
-75	2.29	2.21	2.45	2.60	2.62	2.53	2.11	2.47	2.16	1.15
-85	0.37	0.36	0.40	0.44	0.47	0.48	0.43	0.56	0.57	0.37
-90										
Total	1337.39	1054.17	972.16	870.70	750.25	605.18	413.40	371.63	230.03	82.05

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.18	0.02	7.49
85			
	0.45	0.04	42.12
75			
	0.60	0.05	102.76
65			
	0.79	0.05	206.88
55			
	0.72	0.04	268.18
47.5			
	0.54	0.03	263.59
42.5			
	0.59	0.03	357.50
37.5			
	0.58	0.03	416.89
33			
	0.54	0.02	463.95
29			
	0.49	0.02	505.34
25.5			
	0.43	0.02	541.26
22.5			
	0.44	0.02	682.29
19.5			
	0.38	0.02	721.30
17			
	0.31	0.01	708.42

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

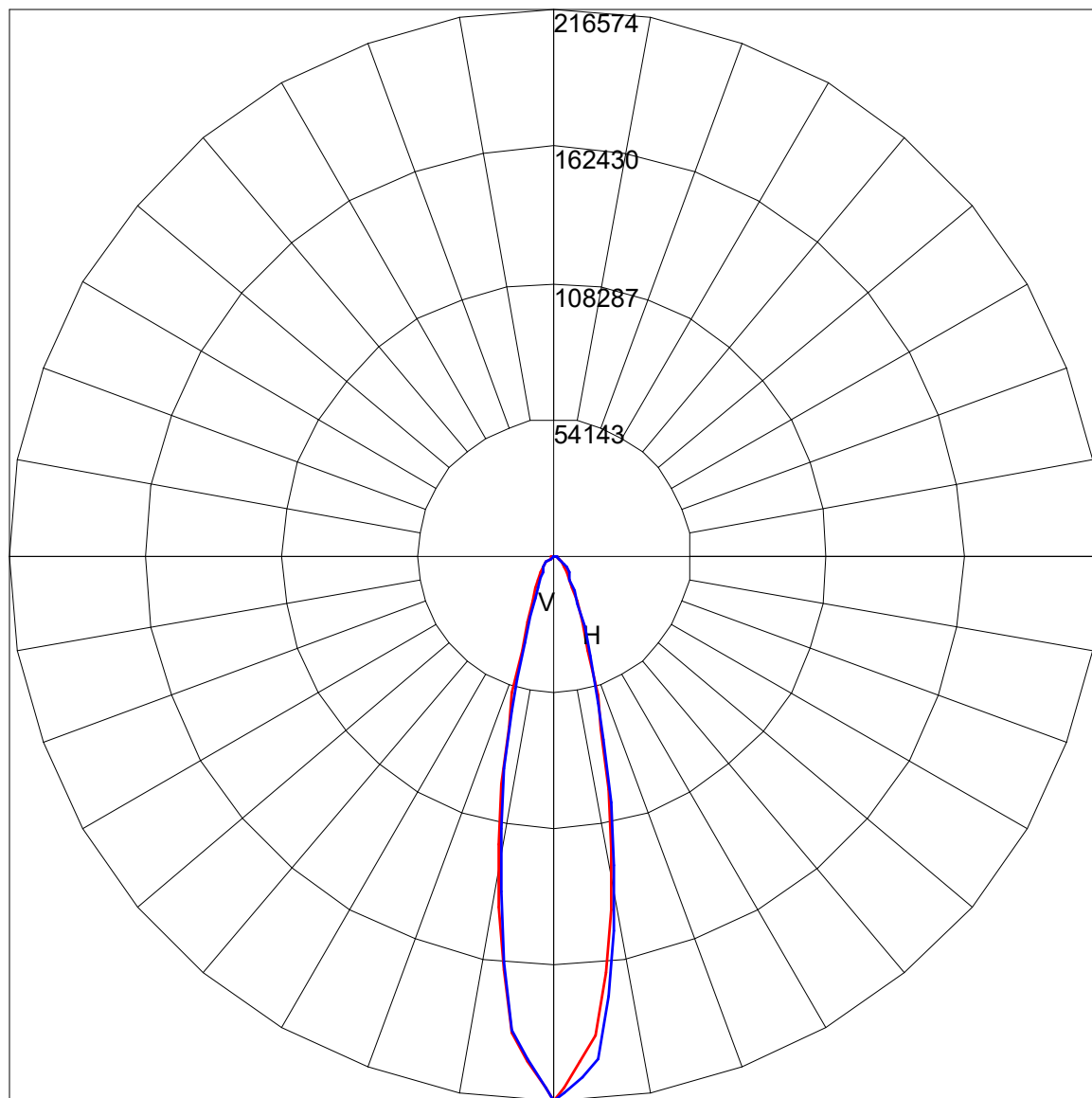
15	0.31	0.01	852.02
13	0.31	0.01	1023.16
11	0.31	0.01	1206.12
9	0.32	0.01	1385.98
7	0.32	0.01	1551.2
5	0.32	0.01	1676.73
3	0.32	0.01	1748.75
1	0.16	0.01	887.12
0	0.16	0.01	883.70
-1	0.32	0.01	1721.4
-3	0.32	0.01	1623.62
-5	0.32	0.01	1477.8
-7	0.32	0.01	1299.21
-9	0.31	0.01	1114.86
-11	0.31	0.01	936.52
-13	0.31	0.01	774.46
-15	0.30	0.01	641.79
-17	0.38	0.02	654.34
-19.5	0.44	0.02	622.60
-22.5	0.43	0.02	498.69
-25.5	0.49	0.02	469.80
-29	0.53	0.02	433.39
-33	0.57	0.03	389.01
-37.5	0.59	0.03	331.06
-42.5	0.53	0.03	241.57
-47.5	0.71	0.04	243.47
-55	0.78	0.05	187.94
-65	0.59	0.05	94.77

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

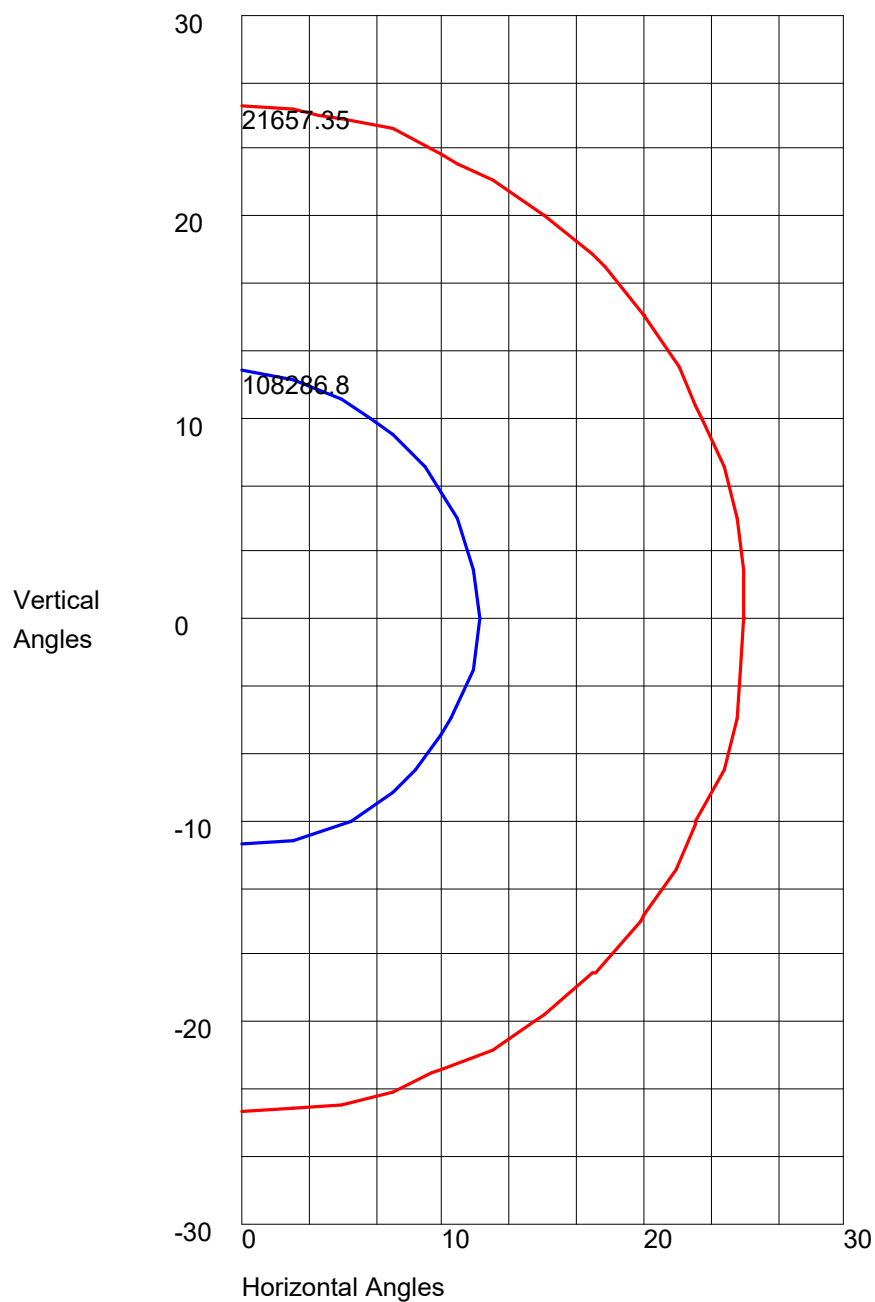
-75	0.45	0.04	38.97
-85	0.18	0.02	7.21
-90			
Total	18.73	1.01	30305.24

AXIAL CANDELA DISPLAY



Maximum Candela = 216573.5 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 216573.5 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 108286.75
10% Maximum Candela = 21657.35



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194043
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-38NF
[LUMINAIRE] 500W LED FLOOD LIGHT - 38 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	127595
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	36.9
Vertical Beam Angle (50%)	36.2
Horizontal Field Angle (10%)	68.7
Vertical Field Angle (10%)	67.8
Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Beam Lumens	29253
Beam Efficiency	45 %
Field Lumens	53080
Field Efficiency	82 %
Spill Lumens	9736
Luminaire Lumens	62816
Total Efficiency	97 %
Total Luminaire Watts	500
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	268.723	75	183.326
65	827.125	65	561.424
55	2111.265	55	1541.02
47.5	3998.378	47.5	2710.078
42.5	6257.843	42.5	4105.335
37.5	10741.575	37.5	6886.361
33	18468.97	33	11641.761
29	29067.351	29	18916.95
25.5	41664.026	25.5	28797.275
22.5	55288.026	22.5	40502.149
19.5	69715.1	19.5	53421.742
17	82728.1	17	66552.719
15	93138.5	15	77057.5
13	101864.1	13	87657.7
11	110589.7	11	98257.9
9	117354.9	9	107239.6
7	122159.7	7	114602.8
5	126964.5	5	121966
3	127216.7	3	124217.6
1	127468.9	1	126469.2
0	127595	0	127595
-1	125249.8	-1	126428.9
-3	120559.4	-3	124096.7
-5	115869	-5	121764.5
-7	107497	-7	115025.3
-9	99125	-9	108286.1
-11	89845.6	-11	100250.8
-13	79658.8	-13	90919.4
-15	69472	-15	81588
-17	60076.9	-17	71791.2
-19.5	48333.025	-19.5	59545.2
-22.5	36988.575	-22.5	46839
-25.5	26788.255	-25.5	35083.165
-29	18355.74	-29	24591.32
-33	11769.55	-33	16098.16
-37.5	7357.253	-37.5	9924.525
-42.5	4754.75	-42.5	6176.528
-47.5	3158.025	-47.5	4252.17
-55	1753.05	-55	2351.635
-65	552.922	-65	613.255
-75	123.299	-75	107.633
-85	0	-85	0
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

CANDELA TABULATION

Maximum Candela = 127595

Beam Edge = 63797.5 Cd (50% of Max.)

Field Edge = 12759.5 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	5.888	19.902	35.456	63.173	89.527	111.848	130.273
65.0	0.000	0.000	4.901	29.386	126.013	224.748	297.332	365.953	417.243	453.787
55.0	0.000	0.000	13.220	116.968	318.900	477.127	567.642	731.637	863.411	971.571
47.5	0.000	0.000	19.850	202.088	470.751	745.534	965.069	1269.976	1518.792	1726.472
42.5	0.000	0.000	40.641	263.286	567.396	971.930	1349.575	1709.523	2019.398	2271.106
37.5	0.000	0.000	59.385	318.793	742.703	1298.216	1735.151	2170.363	2653.163	3104.215
33.0	0.000	0.000	74.378	367.743	889.985	1581.160	2092.975	2703.145	3324.522	4155.638
29.0	0.000	0.000	86.133	408.717	1016.518	1835.904	2406.310	3213.812	4210.812	5209.489
25.5	0.000	0.000	95.157	440.855	1164.977	2048.315	2775.316	3738.572	4968.215	6587.564
22.5	0.000	0.000	101.930	465.481	1281.251	2216.073	3071.156	4284.961	5783.119	7737.558
19.5	0.000	0.000	107.797	487.282	1386.582	2369.332	3345.446	4790.881	6752.770	9172.041
17.0	0.000	0.000	111.985	503.209	1465.441	2505.655	3555.573	5177.705	7493.749	10870.226
15.0	0.000	0.000	114.872	514.437	1522.371	2631.551	3768.696	5468.633	8035.309	12127.278
13.0	0.000	0.000	117.346	524.286	1573.585	2745.675	3983.118	5889.368	8527.418	13274.323 *
11.0	0.000	0.000	119.404	532.728	1618.866	2847.385	4174.074	6262.190	9263.794	14300.796 *
9.0	0.000	0.000	121.045	539.736	1658.002	2936.050	4340.363	6584.636	10021.658	15196.013 *
7.0	0.000	0.000	122.271	545.285	1690.796	3011.058	4480.838	6854.419	10652.417	16203.790 *
5.0	0.000	0.000	124.363	549.353	1717.058	3071.830	4594.431	7069.501	11149.298	17192.137 *
3.0	0.000	0.000	123.938	553.642	1744.497	3117.820	4680.171	7228.124	11506.374	17884.263 *
1.0	0.000	0.000	123.512	553.162	1750.197	3148.535	4737.215	7328.892	11718.780	18274.528 *
0.0	0.000	0.000	123.299	552.922	1753.050	3158.025	4754.750	7357.253	11769.550	18355.740 *
-1.0	0.000	0.000	123.489	553.706	1758.241	3167.859	4766.914	7376.419	11797.584	18393.400 *
-3.0	0.000	0.000	123.868	555.272	1768.611	3175.496	4768.868	7369.532	11740.195	18238.228 *
-5.0	0.000	0.000	124.247	552.008	1756.571	3166.972	4740.934	7301.306	11530.466	17773.374 *
-7.0	0.000	0.000	122.110	548.919	1745.161	3142.209	4683.190	7170.931	11168.478	16999.703 *
-9.0	0.000	0.000	120.839	544.267	1726.283	3101.202	4595.883	6978.115	10655.830	16182.742 *
-11.0	0.000	0.000	119.152	538.052	1699.876	3044.017	4479.415	6723.062	9995.555	15443.194 *
-13.0	0.000	0.000	117.049	530.277	1665.905	2970.792	4334.332	6406.468	9338.958	14538.727 *
-15.0	0.000	0.000	114.532	520.947	1624.365	2881.730	4161.314	6029.478	8918.983	13477.345 *
-17.0	0.000	0.000	111.601	510.075	1575.274	2777.097	3984.051	5788.790	8430.346	12268.045
-19.5	0.000	0.000	107.361	494.333	1503.364	2662.101	3808.537	5454.834	7727.435	10574.812
-22.5	0.000	0.000	101.432	472.332	1401.806	2526.000	3562.582	4995.912	6758.891	9117.600
-25.5	0.000	0.000	94.601	447.006	1283.934	2365.276	3280.110	4478.292	5922.845	7901.176
-29.0	0.000	0.000	85.511	413.367	1126.430	2147.825	2907.509	3943.544	5154.440	6375.885
-33.0	0.000	0.000	73.686	369.722	985.925	1871.041	2567.437	3389.754	4220.954	5257.257
-37.5	0.000	0.000	58.620	318.028	813.248	1546.301	2146.992	2782.331	3463.214	4097.814
-42.5	0.000	0.000	39.805	262.233	597.297	1147.998	1669.640	2201.407	2692.837	3119.159
-47.5	0.000	0.000	18.952	200.698	488.031	847.067	1171.068	1619.556	2013.322	2365.492
-55.0	0.000	0.000	12.518	115.186	317.365	492.750	602.498	853.037	1071.471	1263.070
-65.0	0.000	0.000	4.621	27.540	122.034	214.729	282.201	344.747	399.935	444.723
-75.0	0.000	0.000	0.000	5.390	17.806	31.385	56.607	79.605	98.297	112.935
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	142.097	151.073	158.965	164.703	168.741	172.287	175.339	177.897	179.961	183.050
65.0	478.298	495.760	511.451	523.076	531.372	538.734	545.125	550.511	554.856	558.129
55.0	1094.165	1195.087	1283.514	1347.102	1391.356	1429.748	1462.319	1489.127	1510.251	1525.790
47.5	1886.846	2009.450	2143.072	2263.250	2368.140	2458.032	2533.289	2594.363	2641.795	2676.210
42.5	2580.023	2814.273	3028.914	3183.370	3359.665	3542.388	3701.737	3836.396	3945.111	4026.706
37.5	3569.838	4058.223	4496.948	4843.249	5102.929	5501.676	5857.790	6167.425	6426.749	6632.042
33.0	4864.421	5634.453	6527.754	7204.340	7737.827	8231.116	8980.685	9761.950	10422.147	10951.335
29.0	6536.519	7638.042	9022.146	10650.614	11862.663	13045.469	14123.674	15083.869	16223.377	17394.909 *
25.5	8100.292	10371.044	12763.473	14583.929	16755.323	19197.970	21502.389	23554.250	25320.896	26769.334 *
22.5	10417.863	13212.678	16501.179	20364.456	23245.619	25908.459	28591.104	31959.687	34860.859	37234.921 *
19.5	12856.165	16526.180	21919.052	26175.468	30118.203	34553.349	38599.630	42484.556	45896.924	48742.317 *
17.0	14714.335	20301.161	26060.919	32091.955	37291.388	42182.386	46698.166	51816.946	56687.823	60754.908 *
15.0	16862.599	23038.742	29810.868	37071.798	42632.994	48194.425	53517.892	58269.118	62622.457	66247.890 *
13.0	19170.428	25540.542	32395.153	39516.172	46820.690	53512.100	59206.881	63936.561	67422.538	70652.945 *
11.0	21210.811	27914.017	34665.551	41565.417	48356.453	54101.075	58904.414	62716.916	65283.286	67884.663 *
9.0	22961.683	30823.790	38093.013	45012.515	51582.174	57686.518	6250.313	63435.659	69094.251	75953.067 *
7.0	24402.584	32209.099	39626.975	46403.728	52828.817	58715.957	63707.141	67919.304	71032.052	73406.017 *
5.0	25515.850	33503.815	40567.903	47036.998	52616.075	57363.000	61284.863	64373.494	66539.177	68953.450 *
3.0	26287.782	336270.163	407358.010	469045.803	52385.137	56836.038	608416.776	637905.413	65897.387	673654.318 *
1.0	26709.701	336901.472	408240.024	460001.963	509569.699	549610.765	58825.767	619167.917	6407534.631	65308.974 *
0.0	26788.255	336988.575	408333.025	460076.900	506947.200	549658.800	58845.600	619125.000	6407497.000	653869.000 *
-1.0	26864.821	337073.950	408422.085	460158.571	506969.080	549682.500	5889817.854	619090.966	6407415.460	653113.430 *
-3.0	26749.189	336786.785	407911.435	459526.055	506878.202	548606.981	588441.817	61797691.477	635573.035	653167.960 *
-5.0	26271.950	335892.223	406617.118	457870.638	506876.483	5476140.903	585472.986	614490.913	6302232.851	649211.470 *
-7.0	25434.890	334405.583	404931.651	455266.724	5063918.300	54263.840	581333.170	609990.662	6297993.477	64035.645 *
-9.0	24245.940	32353.579	42601.672	451810.341	500058.720	538283.546	576483.814	604403.757	61638.433	6297980.305 *
-11.0	22718.324	29771.598	39679.723	47830.952	55653.822	63398.865	70836.824	77962.517	84431.580	90359.520 *
-13.0	20869.454	27631.020	36305.817	44152.376	50487.909	57731.521	64597.903	70973.225	76825.986	82279.989 *
-15.0	18719.649	25310.423	32490.869	39948.094	45696.227	51427.148	57747.624	63536.145	69013.598	73852.081 *
-17.0	16680.597	22716.020	28964.414	35291.459	40684.807	45798.098	50568.049	55794.561	60814.328	65100.906 *
-19.5	14844.866	19071.144	24950.284	29656.734	33897.995	38556.770	42853.512	47017.465	50757.529	53974.839 *
-22.5	12324.639	15708.319	19608.692	223900.691	27148.031	30197.041	33240.354	36850.103	40028.233	42710.545 *
-25.5	9842.345	12641.331	15658.760	18051.256	20607.359	23379.530	26002.510	28383.014	30483.810	32266.226 *
-29.0	8090.811	9583.143	11441.924	13564.749	15182.084	16754.458	18215.580	19547.499	21002.421	22444.180 *
-33.0	6166.797	7202.808	8463.652	9464.109	10261.763	11022.711	12071.185	13152.702	14095.104	14884.209 *
-37.5	4735.744	5386.523	5995.609	6487.720	6867.985	7468.198	8022.064	8522.671	8962.873	9335.442
-42.5	3574.884	3936.522	4278.157	4543.392	4813.543	5089.996	5341.049	5564.611	5758.610	5921.026
-47.5	2660.230	2897.610	3130.383	3329.510	3496.492	3648.998	3786.461	3908.346	4014.164	4103.474
-55.0	1472.243	1643.930	1798.985	1914.636	1998.025	2073.123	2139.791	2197.908	2247.381	2288.135
-65.0	476.849	501.533	524.805	542.827	556.176	568.441	579.499	589.225	597.497	604.193
-75.0	117.247	119.850	121.440	121.994	121.935	121.432	120.488	119.108	117.295	116.333
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	183.160	183.271	183.326	185.303	189.255	193.207	193.964	195.717	196.838	197.299
65.0	561.601	561.483	561.424	563.297	567.042	567.077	567.221	566.130	563.793	560.199

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

55.0	1541.686	1541.242	1541.020	1545.543	1554.583	1547.532	1541.009	1529.217	1512.141	1489.786
47.5	2698.309	2708.868	2710.078	2721.507	2735.795	2737.253	2724.265	2695.321	2649.023	2584.109
42.5	4080.110	4104.381	4105.335	4134.183	4168.496	4170.632	4139.565	4074.497	3974.852	3840.281
37.5	6779.761	6866.647	6886.361	6943.261	7005.774	6996.068	6910.134	6744.722	6497.363	6166.418
33.0	11340.132	11580.015	11641.761	11766.032	11886.740	11824.610	11566.867	11103.444	10427.206	9720.569
29.0	18254.707	18782.715	18916.950	19145.701	19323.733	19111.127	18491.781	17797.428	17170.871	16282.474
25.5	27867.749	28587.311	28797.275	29174.926	29602.054	29566.521	29047.060	28033.135	26524.614	24530.648
22.5	39024.267	40177.451	40502.149	40996.127	41442.951	41144.685	40089.911	38286.019	35756.858	33457.774
19.5	51257.049	52950.498	53421.742	54058.046	54533.759	54046.774	52965.301	51002.343	48183.423	44285.873
17.0	63883.939	65950.274	66552.719	67335.023	67970.220	67348.903	65496.608	62483.362	58238.850	53905.392
15.0	73870.515	76489.051	77057.500	78163.466	78791.306	78143.839	76091.798	72572.871	67510.308	62366.661
13.0	83912.338	86790.732	87657.700	88626.513	89378.731	88637.778	86572.272	82254.044	76595.887	70108.736
11.0	93807.633	97218.996	98257.900	99274.146	99902.119	98792.339	95837.683	91110.140	85237.144	78082.739
9.0	102692.379	106113.887	107239.600	108338.488	109440.846	108789.752	104494.759	99012.103	92750.606	85408.079
7.0	109321.913	113329.089	114602.800	115612.212	116280.376	115029.533	112294.937	106176.138	99167.684	91609.983
5.0	115506.096	120802.917	121966.000	123156.073	124273.389	1220114.548	116720.443	112259.736	104261.719	96066.191
3.0	119420.946	122837.093	124217.600	125260.849	126113.305	124361.236	119974.339	115395.775	107928.369	99354.273
1.0	120633.448	124870.369	126469.200	127100.522	127044.828	126817.842	121769.953	116966.616	110096.382	10359.231
0.0	120559.400	125249.800	127595.000	127468.900	127216.700	126964.500	122159.700	117354.900	110589.700	101864.100
-1.0	120431.544	124719.619	126428.900	126831.188	126658.688	126443.865	121503.229	116760.377	109970.570	101320.796
-3.0	118968.812	122575.708	124096.700	124857.931	125305.385	123373.305	119214.274	114796.718	107600.448	99270.581
-5.0	115095.299	120471.369	121764.500	122687.113	121886.140	119247.373	115800.587	111381.310	103863.748	96024.283
-7.0	109373.331	113598.137	115025.300	115734.091	115875.574	114340.278	111542.667	105722.838	98978.271	91733.289
-9.0	103273.885	106979.117	108286.100	109052.632	109560.158	108467.445	104423.599	99209.977	93182.475	86058.648
-11.0	95386.130	99023.645	100250.800	100940.864	101075.579	99656.297	96644.238	92101.734	86410.205	79447.705
-13.0	86679.396	89844.164	90919.400	91563.241	91801.025	90706.664	88420.884	84133.675	78590.487	72249.528
-15.0	77775.425	80776.289	81588.000	82349.553	82411.528	81327.073	78996.299	75382.673	70380.746	64593.026
-17.0	68526.265	70969.620	71791.200	72296.931	72452.369	71466.641	69379.236	66265.611	61990.122	57462.239
-19.5	56812.046	58866.949	59545.200	59958.818	60050.131	59240.240	57812.295	55583.267	52584.027	48486.125
-22.5	44833.006	46336.016	46839.000	47169.884	47301.630	46717.777	45422.462	43435.438	40789.342	38220.656
-25.5	33691.805	34724.383	35083.165	35348.195	35536.416	35252.854	34486.600	33236.327	31509.604	29321.628
-29.0	23565.266	24340.445	24591.320	24750.515	24776.777	24401.934	23617.302	22715.906	21826.146	20667.367
-33.0	15506.253	15948.316	16098.160	16185.960	16208.083	16017.306	15605.888	14968.736	14103.472	13195.791
-37.5	9633.202	9849.221	9924.525	9964.891	9975.068	9888.205	9701.470	9412.913	9021.448	8526.873
-42.5	6049.924	6143.503	6176.528	6196.862	6208.717	6181.432	6114.338	6007.021	5859.305	5671.253
-47.5	4175.892	4231.100	4252.170	4259.796	4261.238	4243.262	4204.748	4144.692	4062.214	3956.568
-55.0	2330.014	2344.425	2351.635	2354.732	2360.923	2340.058	2320.588	2292.909	2257.232	2213.787
-65.0	611.361	612.624	613.255	617.893	627.168	630.258	633.607	635.001	634.457	631.995
-75.0	112.853	109.373	107.633	110.615	116.578	122.539	125.893	130.084	133.784	136.978
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	197.071	196.125	193.894	189.618	183.526	174.035	156.642	133.789	104.592	71.515
65.0	555.342	549.217	539.775	525.832	509.054	487.013	458.035	419.342	371.641	315.734
55.0	1462.172	1429.331	1381.011	1312.535	1233.311	1134.466	1017.150	865.069	670.757	583.582
47.5	2499.458	2394.099	2277.932	2153.175	2035.025	1872.165	1664.372	1453.322	1190.616	923.224
42.5	3670.665	3499.410	3353.022	3128.591	2864.361	2497.884	2229.113	1889.949	1552.407	1224.004
37.5	5751.044	5517.473	5180.372	4699.392	4133.087	3579.959	3028.474	2436.755	1942.920	1533.251
33.0	9292.635	8763.871	7964.051	6813.827	5831.053	4979.405	3933.550	3139.603	2377.747	1803.469
29.0	15133.126	13703.996	11595.134	9785.282	8304.031	6421.581	5157.238	3849.973	2778.466	2106.799
25.5	22008.492	19486.268	17171.668	13942.325	10746.697	8592.607	6234.953	4595.622	3301.877	2382.571

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

22.5	30605.61327326.86322686.31818380.98114406.97510470.2277515.921	5377.057	3722.588	2605.882
19.5	39760.24235442.24830331.41523484.88018377.58912858.1089129.989	6110.987	4113.913	2815.214
17.0	48909.44843341.07936451.93229071.60121528.08515688.98210413.0506680.549	4414.895	3008.658	
15.0	55975.85549973.61341803.96133298.05224879.62917824.86511387.4327118.870	4726.818	3191.509	
13.0	62955.61656275.17047544.19937251.52428414.89919815.50412306.6897858.297	5045.043	3358.421	
11.0	70306.83662170.02552809.42140945.32631615.38621641.57413617.5728532.251	5331.865	3508.539	
9.0	76982.07168047.41457474.53845035.45934444.76123282.41314969.5859133.509	5585.198	3641.025	
7.0	82585.09373131.91961507.33148532.54936866.56925032.40816129.7789654.639	5802.990	3755.067	
5.0	87138.74477252.39064822.95051376.03138845.84726718.48217082.94010088.1835983.257	3849.897		
3.0	90513.61080306.06367493.77353510.73440350.96827986.51717814.68210426.7976124.125	3924.797		
1.0	92769.50582215.91769230.03254891.18341355.65228818.80918311.91010663.4916223.874	3979.117		
0.0	93138.50082728.10069715.10055288.02641664.02629067.35118468.97010741.5756257.843	3998.378		
-1.0	92793.72882297.98069365.53955047.36641519.25528974.19518434.09110739.1556264.491	4004.562		
-3.0	90614.89480570.24567912.65453982.81640841.95128452.83518178.88410651.2296245.245	4000.781		
-5.0	87387.03877749.99065554.55852174.30639664.72827496.18617682.23410453.7626182.709	3975.377		
-7.0	83085.00973940.46662564.77249673.23138014.18026122.22716952.91110148.9156077.206	3928.321		
-9.0	77867.65669261.39058886.94346539.45335922.18924664.49116001.3979739.555	5929.295	3859.685	
-11.0	71875.37263926.09154609.50342836.83833423.91623273.16514839.5159229.127	5739.744	3769.631	
-13.0	65262.60458560.65649805.25739496.63530555.94721666.10713685.8228621.591	5509.517	3658.408	
-15.0	58864.68052776.43044553.52835888.96427354.67219861.54612863.4927921.289	5239.747	3526.350	
-17.0	52320.46546649.03839602.14831971.19024249.68217877.37211944.0527544.637	4969.496	3373.870	
-19.5	43802.66539259.52333825.15026709.33821167.53715154.83210668.3057034.734	4716.575	3209.269	
-22.5	35015.86131434.50626485.89421667.95017174.78412651.1648962.864	6342.460	4367.349	3020.696
-25.5	26561.57723710.14020868.18217073.12013357.17410536.2237565.784	5569.529	3971.069	2803.673
-29.0	19245.38617469.27514906.37812544.34410507.5058024.224	6431.503	4803.048	3453.499
-33.0	12548.91511783.81710586.6408936.713	7584.874	6458.853	5113.632
-37.5	7929.810	7614.700	7171.185	6473.217
-42.5	5443.157	5208.049	4974.660	4611.653
-47.5	3827.143	3673.469	3491.576	3276.572
-55.0	2162.820	2104.590	2022.006	1909.268
-65.0	627.640	621.420	611.069	594.960
-75.0	139.647	141.777	143.660	144.742
-85.0	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
75.0	49.198	18.351	0.000	0.000	0.000
65.0	220.632	83.021	19.215	0.000	0.000
55.0	433.740	224.888	53.399	0.000	0.000
47.5	607.153	328.879	78.521	0.000	0.000
42.5	726.510	395.118	113.995	0.000	0.000
37.5	962.226	456.079	146.400	0.000	0.000
33.0	1160.387	518.892	172.718	0.000	0.000
29.0	1325.214	576.603	193.695	0.000	0.000
25.5	1471.529	623.617	210.088	0.000	0.000
22.5	1587.973	661.009	222.626	0.000	0.000
19.5	1695.282	695.436	233.725	0.000	0.000
17.0	1777.120	721.658	241.847	0.000	0.000
15.0	1837.264	740.900	247.595	0.000	0.000
13.0	1892.394	758.506	252.667	0.000	0.000
11.0	1942.253	774.389	257.054	0.000	0.000
9.0	1986.585	788.462	260.752	0.000	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

7.0	2025.143	800.638	263.753	0.000	0.000
5.0	2057.687	810.835	268.266	0.000	0.000
3.0	2091.494	821.467	268.448	0.000	0.000
1.0	2104.669	825.238	268.631	0.000	0.000
0.0	2111.265	827.125	268.723	0.000	0.000
-1.0	2115.085	826.539	268.383	0.000	0.000
-3.0	2122.715	825.368	267.702	0.000	0.000
-5.0	2108.968	817.185	267.023	0.000	0.000
-7.0	2095.868	809.321	262.045	0.000	0.000
-9.0	2075.700	799.269	258.584	0.000	0.000
-11.0	2048.427	787.059	254.448	0.000	0.000
-13.0	2014.032	772.724	249.647	0.000	0.000
-15.0	1972.529	756.298	244.192	0.000	0.000
-17.0	1923.950	737.822	238.094	0.000	0.000
-19.5	1853.368	711.909	229.587	0.000	0.000
-22.5	1754.432	676.797	218.115	0.000	0.000
-25.5	1640.322	637.461	205.308	0.000	0.000
-29.0	1488.652	586.464	188.746	0.000	0.000
-33.0	1309.330	521.809	167.782	0.000	0.000
-37.5	1081.914	451.118	141.758	0.000	0.000
-42.5	797.654	386.277	110.036	0.000	0.000
-47.5	646.711	315.302	75.620	0.000	0.000
-55.0	422.868	208.227	51.210	0.000	0.000
-65.0	195.528	76.396	18.341	0.000	0.000
-75.0	43.954	16.799	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 31407.95

Total Field Lumens (one side of beam only) = 26539.9

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.28	0.56	0.57	0.57	0.56	0.56	0.55	0.54	0.53	0.65
65	1.14	2.28	2.28	2.27	2.25	2.23	2.20	2.16	2.11	2.56
55	3.20	6.42	6.40	6.34	6.27	6.16	6.03	5.88	5.70	6.84
47.5	4.86	9.73	9.70	9.60	9.46	9.26	9.00	8.69	8.32	9.84
42.5	5.20	10.41	10.37	10.25	10.05	9.77	9.42	8.99	8.51	10.01
37.5	8.38	16.77	16.66	16.38	15.93	15.32	14.56	13.65	12.78	14.96
33	12.72	25.40	25.10	24.45	23.45	22.12	20.57	19.12	17.86	20.54
29	18.64 *	37.16 *	36.49 *	35.14 *	33.32 *	31.33 *	29.19 *	26.99	24.70	27.28
25.5	25.47 *	50.81 *	49.96 *	48.22 *	45.81 *	42.99 *	39.73 *	35.90 *	31.82 *	34.48 *
22.5	31.70 *	63.21 *	62.14 *	59.99 *	56.82 *	52.69 *	48.15 *	43.38 *	38.29 *	40.92 *
19.5	42.95 *	85.49 *	83.73 *	80.65 *	76.36 *	70.84 *	64.65 *	58.06 *	51.18 *	54.44 *
17	45.71 *	90.93 *	88.98 *	85.57 *	80.85 *	74.90 *	68.28 *	61.14 *	53.64 *	56.91 *
15	43.80 *	87.13 *	85.23 *	81.85 *	77.07 *	71.11 *	64.49 *	57.74 *	50.84 *	53.62 *
13	50.22 *	99.85 *	97.64 *	93.79 *	88.38 *	81.61 *	73.85 *	65.68 *	57.73 *	61.12 *
11	56.64 *	112.47 *	109.83 *	105.33 *	99.15 *	91.60 *	83.05 *	73.79 *	64.47 *	68.28 *
9	62.59 *	124.32 *	121.51 *	116.34 *	109.17 *	100.77 *	91.45 *	81.44 *	71.06 *	75.01 *
7	67.55 *	134.12 *	131.14 *	125.90 *	118.26 *	108.93 *	98.83 *	88.13 *	77.04 *	81.16 *
5	72.04 *	142.58 *	138.65 *	133.04 *	125.55 *	115.84 *	104.93 *	93.63 *	82.01 *	86.26 *
3	74.96 *	148.53 *	144.55 *	138.26 *	130.52 *	120.92 *	109.54 *	97.77 *	85.77 *	90.22 *
1	76.26 *	151.19 *	148.03 *	141.82 *	133.42 *	123.84 *	112.47 *	100.48 *	88.25 *	92.91 *
0	38.56 *	76.12 *	74.55 *	71.56 *	67.23 *	62.47 *	56.82 *	50.79 *	44.65 *	47.06 *
-1	38.54 *	76.04 *	74.47 *	71.49 *	67.18 *	62.44 *	56.81 *	50.81 *	44.68 *	47.11 *
	76.15 *	150.74 *	147.44 *	141.29 *	133.03 *	123.61 *	112.43 *	100.60 *	88.49 *	93.32 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

-3	74.80 *	147.92 *	143.76 *	137.50 *	129.88 *	120.55 *	109.56 *	98.08 *	86.29 *	91.07 *
-5	72.04 *	142.27 *	138.11 *	132.44 *	125.05 *	115.68 *	105.18 *	94.23 *	82.88 *	87.59 *
-7	67.93 *	134.47 *	131.10 *	125.78 *	118.38 *	109.39 *	99.59 *	89.18 *	78.36 *	83.03 *
-9	63.44 *	125.62 *	122.42 *	117.17 *	110.22 *	102.08 *	92.97 *	83.15 *	72.95 *	77.49 *
-11	58.16 *	115.12 *	112.12 *	107.44 *	101.27 *	93.83 *	85.40 *	76.27 *	67.02 *	71.39 *
-13	52.51 *	103.99 *	101.31 *	97.15 *	91.59 *	84.79 *	77.07 *	68.91 *	60.87 *	64.83 *
-15	46.69 *	92.48 *	90.08 *	86.33 *	81.32 *	75.24 *	68.52 *	61.60 *	54.50 *	57.90 *
-17	49.95 *	98.92 *	96.40 *	92.50 *	87.37 *	81.12 *	74.17 *	66.69 *	58.85 *	62.87 *
-19.5	48.56 *	96.19 *	93.81 *	90.12 *	85.27 *	79.27 *	72.61 *	65.46 *	58.00 *	62.14 *
-22.5	37.40 *	74.19 *	72.54 *	69.83 *	66.13 *	61.52 *	56.46 *	51.08 *	45.33 *	48.74 *
-25.5	31.78 *	63.06 *	61.67 *	59.36 *	56.34 *	52.87 *	48.93 *	44.41 *	39.56 *	42.93 *
-29	24.76 *	49.10 *	47.95 *	46.07 *	43.65 *	40.98 *	38.09 *	35.14 *	32.07 *	35.32 *
-33	17.82 *	35.37 *	34.68 *	33.57 *	32.04	30.13	27.97	25.88	24.03	27.49
-37.5	12.25	24.36	24.00	23.43	22.64	21.65	20.48	19.14	17.90	20.92
-42.5	7.94	15.80	15.63	15.35	14.97	14.50	13.93	13.28	12.57	14.75
-47.5	7.54	15.02	14.87	14.63	14.33	13.94	13.48	12.95	12.36	14.55
-55	4.52	9.03	8.96	8.83	8.68	8.49	8.27	8.00	7.71	9.17
-65	1.10	2.22	2.23	2.23	2.22	2.21	2.18	2.15	2.10	2.56
-75	0.17	0.34	0.36	0.37	0.37	0.38	0.38	0.38	0.38	0.48
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1536.93	3047.72	2977.43	2860.19	2701.82	2509.95	2292.25	2061.34	1824.13	1950.69

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.74	0.70	0.75	0.75	0.69	0.57	0.37	0.31	0.18	0.03
75	2.95	2.79	3.03	3.12	3.01	2.69	2.00	1.90	1.05	0.21
65	7.73	7.14	7.54	7.57	7.19	6.25	4.72	4.82	2.95	0.71
55	11.00	10.11	10.62	10.54	9.85	8.44	6.18	6.11	3.86	1.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

47.5										
	11.15	10.16	10.50	10.31	9.62	8.30	6.00	5.57	3.39	0.94
42.5	16.40	14.53	14.57	13.96	12.69	10.78	7.81	7.17	4.21	1.17
37.5	21.77	18.60	18.24	16.89	14.72	12.20	8.70	8.02	4.63	1.24
33	27.72	23.13	21.94	19.52	16.53	13.16	9.14	8.37	4.76	1.25
29	34.44 *	27.55	25.08	21.65	17.61	13.60	9.25	8.35	4.68	1.20
25.5	40.00 *	31.17 *	27.39	22.67	17.84	13.50	8.93	7.91	4.39	1.10
22.5	52.16 *	39.96 *	34.22 *	27.18	20.88	15.23	9.79	8.55	4.71	1.16
19.5	54.42 *	40.92 *	34.37 *	26.88	19.78	13.92	8.79	7.60	4.15	1.01
17	51.15 *	38.33 *	31.87 *	24.50 *	17.28	11.93	7.48	6.41	3.45	0.83
15	58.06 *	43.50 *	36.10 *	26.97 *	18.63	12.79	7.93	6.70	3.56	0.85
13	64.75 *	48.43 *	40.14 *	29.43 *	20.22	13.73	8.34	6.96	3.66	0.87
11	71.15 *	53.21 *	43.75 *	31.93 *	21.93	14.56	8.71	7.19	3.74	0.88
9	77.02 *	57.66 *	47.00 *	34.33 *	23.50	15.29	9.03	7.40	3.82	0.90
7	81.85 *	61.31 *	49.94 *	36.59 *	24.81 *	15.90	9.30	7.57	3.88	0.91
5	85.64 *	64.11 *	52.31 *	38.46 *	25.84 *	16.39	9.51	7.71	3.93	0.92
3	88.27 *	66.00 *	53.94 *	39.76 *	26.58 *	16.74	9.67	7.81	3.97	0.92
1	44.74 *	33.45 *	27.37 *	20.20 *	13.48 *	8.47	4.88	3.93	1.99	0.46
0	44.81 *	33.52 *	27.44 *	20.27 *	13.53 *	8.49	4.90	3.94	2.00	0.46
-1	88.83 *	66.54 *	54.50 *	40.26 *	26.94 *	16.97	9.80	7.90	4.00	0.92
-3	86.76 *	65.19 *	53.42 *	39.44 *	26.55 *	16.83	9.76	7.89	4.00	0.92
-5	83.56 *	62.93 *	51.60 *	38.04 *	25.85 *	16.55	9.66	7.83	3.97	0.91
-7	79.33 *	59.81 *	49.18 *	36.22 *	24.85 *	16.13	9.51	7.74	3.93	0.90
-9	74.06 *	55.89 *	46.41 *	34.21 *	23.55	15.58	9.29	7.62	3.89	0.89
-11	68.27 *	51.61 *	43.24 *	32.05 *	22.06	14.88	9.02	7.46	3.82	0.88
-13	62.16 *	47.13 *	39.58 *	29.85 *	20.64	14.06	8.69	7.26	3.75	0.86
-15	55.77 *	42.34 *	35.65 *	27.58 *	19.43	13.31	8.32	7.02	3.66	0.84
-17	60.73 *	46.28 *	39.33 *	30.88 *	22.59	15.78	9.93	8.43	4.43	1.02
-19.5	60.15 *	46.54 *	40.16 *	31.96	24.32	17.62	11.25	9.61	5.06	1.18

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

-22.5	47.89 *	37.50 *	33.02 *	27.18	21.23	15.99	10.46	9.00	4.74	1.11
-25.5	42.81 *	34.20 *	30.94	26.46	21.48	16.54	11.04	9.61	5.07	1.21
-29	35.69	29.47	27.70	24.56	20.76	16.40	11.12	9.74	5.17	1.25
-33	28.89	24.50	23.93	22.09	19.11	15.52	10.70	9.37	5.01	1.23
-37.5	22.83	20.13	20.07	18.96	16.85	13.86	9.64	8.35	4.48	1.15
-42.5	16.31	14.68	14.91	14.26	12.84	10.64	7.34	6.35	3.51	0.92
-47.5	16.13	14.60	14.95	14.32	12.82	10.43	7.19	6.63	3.87	0.97
-55	10.24	9.34	9.65	9.35	8.44	6.90	4.92	4.81	2.82	0.67
-65	2.95	2.79	3.03	3.08	2.91	2.56	1.88	1.75	0.96	0.19
-75	0.56	0.55	0.61	0.63	0.59	0.50	0.33	0.28	0.16	0.03
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1891.84	1458.27	1249.99	984.87	730.02	519.98	331.29	284.95	153.27	37.07

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.00	
85				
	0.00	0.00	10.46	
75				
	0.02	0.00	44.24	
65				
	0.06	0.00	115.93	
55				
	0.08	0.00	166.26	
47.5				
	0.08	0.00	168.97	
42.5				
	0.12	0.00	248.78	
37.5				
	0.13	0.00	336.47	
33				
	0.14	0.00	445.89	
29				
	0.14	0.00	568.71	
25.5				
	0.12	0.00	672.31	
22.5				
	0.13	0.00	882.34	
19.5				
	0.11	0.00	918.87	
17				
	0.09	0.00	866.23	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

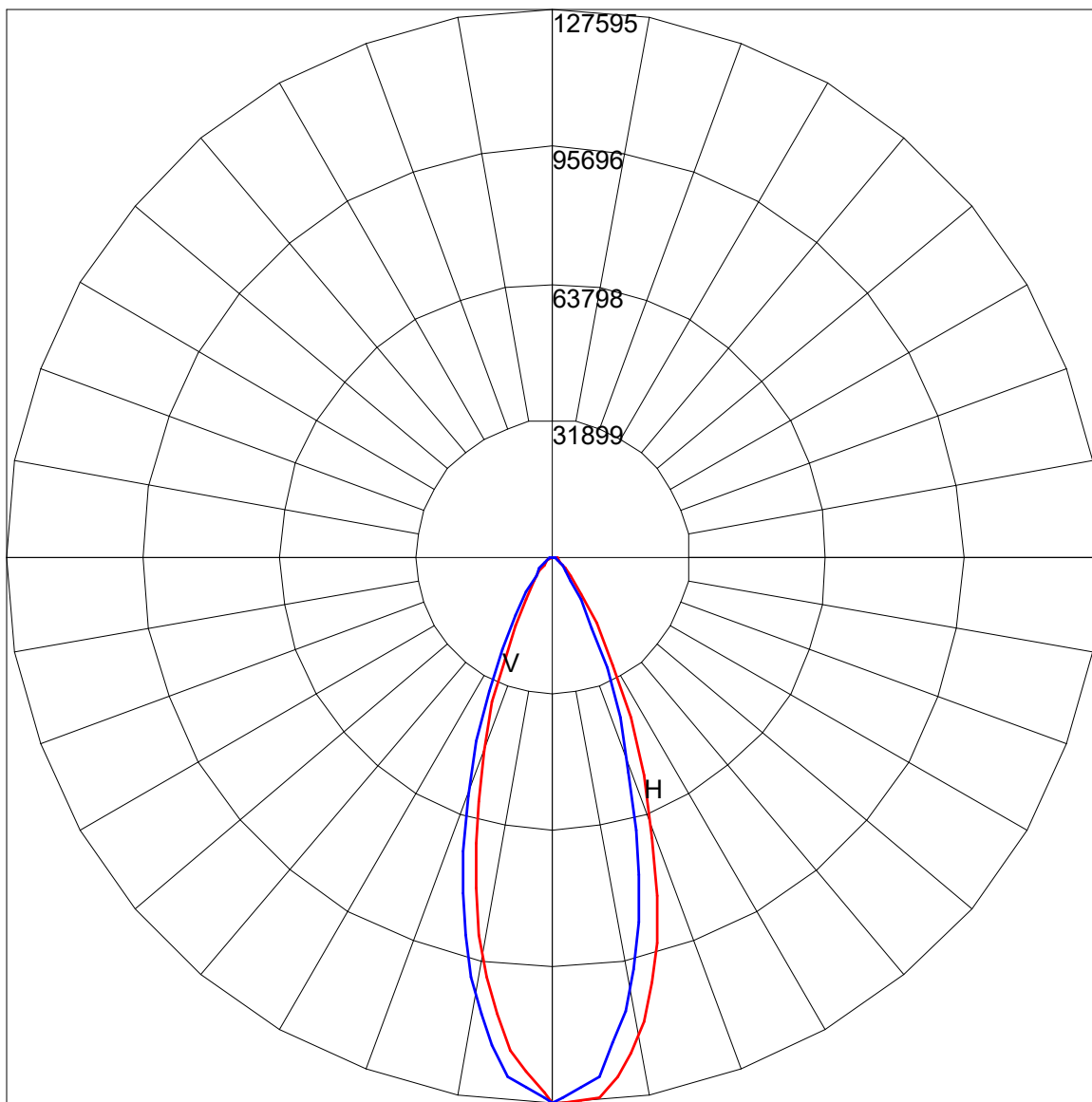
15	0.10	0.00	985.05
13	0.10	0.00	1101.25
11	0.10	0.00	1210.83
9	0.10	0.00	1307.08
7	0.10	0.00	1386.68
5	0.10	0.00	1445.96
3	0.10	0.00	1482.44
1	0.05	0.00	748.84
0	0.05	0.00	748.96
-1	0.10	0.00	1483.87
-3	0.10	0.00	1450.28
-5	0.10	0.00	1396.48
-7	0.10	0.00	1324.9
-9	0.10	0.00	1238.99
-11	0.10	0.00	1141.4
-13	0.10	0.00	1037.1
-15	0.09	0.00	928.68
-17	0.11	0.00	1008.35
-19.5	0.13	0.00	999.40
-22.5	0.12	0.00	791.48
-25.5	0.13	0.00	700.40
-29	0.14	0.00	575.12
-33	0.13	0.00	449.44
-37.5	0.12	0.00	343.21
-42.5	0.08	0.00	240.58
-47.5	0.08	0.00	235.69
-55	0.06	0.00	148.84
-65	0.02	0.00	43.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

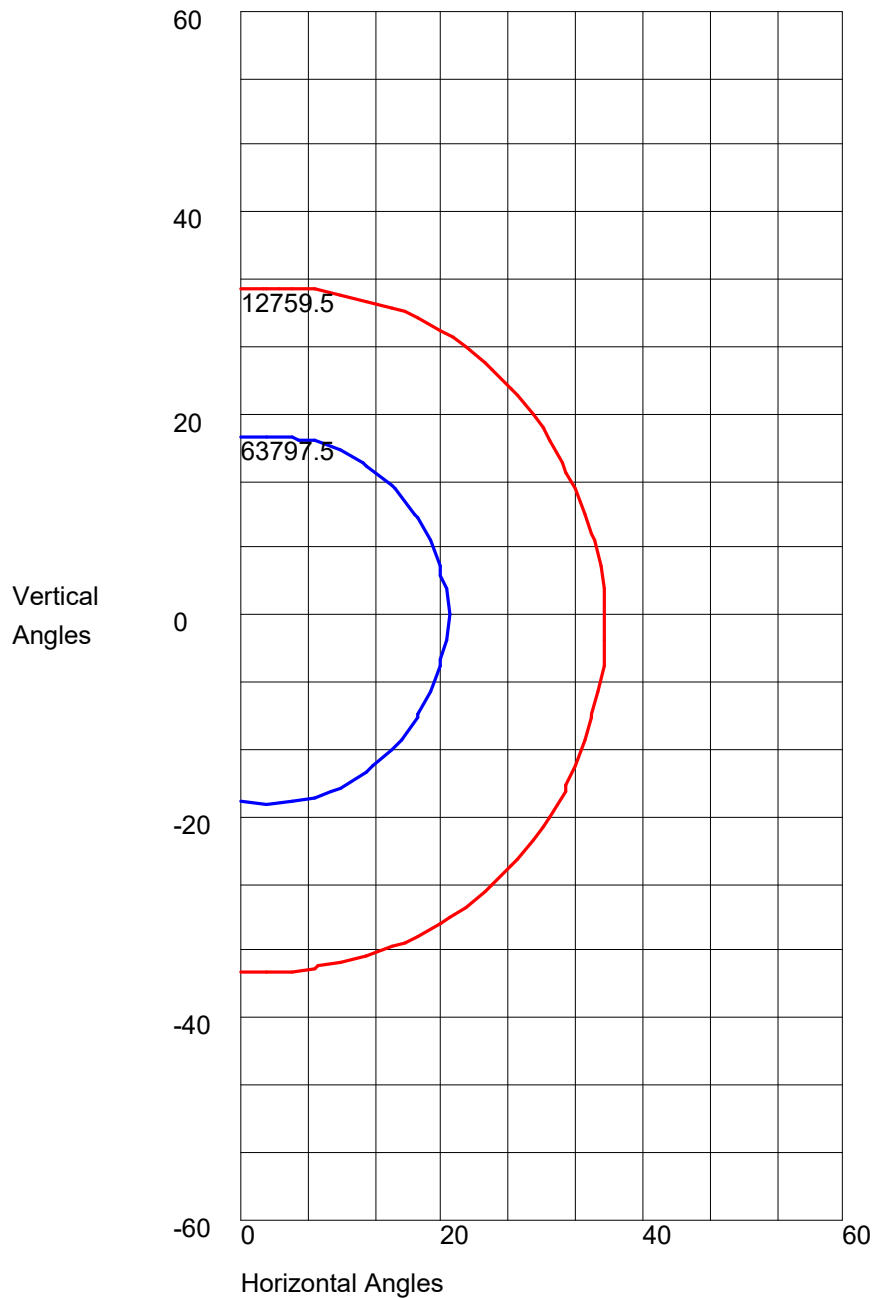
-75	0.00	0.00	7.85
-85	0.00	0.00	0.00
-90			
Total	3.96	0.00	31407.95

AXIAL CANDELA DISPLAY



Maximum Candela = 127595 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 127595 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 63797.5
10% Maximum Candela = 12759.5



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194044
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-60F
[LUMINAIRE] 500W LED FLOOD LIGHT - 60 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	65741
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	55.4
Vertical Beam Angle (50%)	56.6
Horizontal Field Angle (10%)	94.2
Vertical Field Angle (10%)	94.6
Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Beam Lumens	35779
Beam Efficiency	55 %
Field Lumens	56546
Field Efficiency	87 %
Spill Lumens	6120
Luminaire Lumens	62666
Total Efficiency	96 %
Total Luminaire Watts	500
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	65.564	90	61.191
85	132.932	85	138.775
75	498.764	75	490.289
65	1190.475	65	1196.585
55	2874.625	55	3095.43
47.5	6363.305	47.5	6664.028
42.5	10539.1	42.5	10945.35
37.5	16785.925	37.5	17351.1
33	24103.039	33	24829.87
29	31454.41	29	32330.089
25.5	38061.922	25.5	39044.98
22.5	43148.952	22.5	44200.324
19.5	48008.416	19.5	49137.463
17	51590.242	17	52842.79
15	54455.703	15	55807.051
13	56669.081	13	58062.031
11	58882.459	11	60317.01
9	60804.118	9	62303.8
7	62434.059	7	64022.4
5	64064	5	65741
3	64716.6	3	65722.8
1	65369.2	1	65704.6
0	65695.5	0	65695.5
-1	65333.19	-1	65603.2
-3	64608.569	-3	65418.6
-5	63883.949	-5	65234
-7	62179.39	-7	63360.7
-9	60474.831	-9	61487.4
-11	58496.491	-11	59387.64
-13	56244.37	-13	57061.419
-15	53992.25	-15	54735.199
-17	51072.45	-17	51692.679
-19.5	47422.7	-19.5	47889.528
-22.5	42520.725	-22.5	42851.9
-25.5	37409.709	-25.5	37597.757
-29	30836.779	-29	30757.741
-33	23600.199	-33	23323.169
-37.5	16471.975	-37.5	16100.499
-42.5	10420.8	-42.5	10069.15
-47.5	6349.753	-47.5	6123.195
-55	2900.17	-55	2817.035
-65	1195.87	-65	1113.97
-75	493.662	-75	459.089
-85	125.626	-85	124.885
-90	60.477	-90	62.564

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

CANDELA TABULATION

Maximum Candela = 65741

Beam Edge = 32870.5 Cd (50% of Max.)

Field Edge = 6574.1 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	60.346	60.269	60.114	59.959	59.738	59.524	59.380	59.235	59.105	59.090
85.0	60.357	65.981	77.321	88.456	99.201	106.919	111.769	116.326	120.139	123.334
75.0	60.380	77.254	111.289	168.267	243.588	298.000	344.688	387.561	422.598	450.455
65.0	60.401	88.006	166.517	299.694	481.836	635.084	750.084	866.695	969.816	1052.691
55.0	60.421	97.906	236.404	471.789	772.120	1062.423	1248.175	1520.887	1738.744	1920.720
47.5	60.434	104.588	284.469	607.396	1037.925	1509.732	1870.935	2434.553	2912.849	3480.580
42.5	60.442	108.623	325.770	697.121	1213.743	1867.014	2546.965	3317.660	4217.526	4990.316
37.5	60.449	112.286	363.117	779.090	1483.978	2424.371	3314.032	4524.032	6002.538	7439.313 *
33.0	60.455	115.241	393.095	862.510	1704.259	2888.755	4219.288	6009.347	7941.573	*10377.449 *
29.0	60.460	117.582	416.689	936.440	1889.823	3449.017	4993.028	7459.247	*10388.527*	*13283.340 *
25.5	60.464	119.398	434.879	994.294	2121.578	3950.560	5992.557	8898.663	*12468.031*	*16388.005 *
22.5	60.467	120.779	448.594	1038.543	2297.969	4336.745	6763.990	*10315.896*	*14445.727*	*18971.424 *
19.5	60.469	121.992	460.538	1077.655	2452.929	4679.799	7450.310	*11584.075*	*16510.334*	*21532.793 *
17.0	60.471	122.873	469.119	1106.193	2565.161	4995.738	7953.058	*12517.656*	*18037.079*	*23718.253 *
15.0	60.472	123.492	475.075	1126.299	2643.621	5301.307	8461.200	*13189.102*	*19125.295*	*25273.472 *
13.0	60.473	124.032	480.218	1143.933	2711.846	5569.310	8962.165	*14025.184*	*20087.297*	*26657.622 *
11.0	60.474	125.699	484.542	1159.055	2769.711	5798.884	9391.895	*14744.786*	*21065.233*	*27858.387 *
9.0	60.475	125.686	488.047	1171.627	2817.120	5989.299	9748.620	*15343.780*	*21941.909*	*28864.180 *
7.0	60.476	125.673	490.730	1181.615	2854.013	6139.971	10030.899	*15818.675*	*22639.323*	*29685.529 *
5.0	60.476	125.660	495.139	1188.992	2880.357	6250.479	10237.662	*16166.754*	*23151.740*	*30305.132 *
3.0	60.476	125.646	494.549	1196.733	2907.896	6320.560	10368.230	*16386.118*	*23474.970*	*30694.296 *
1.0	60.477	125.633	493.958	1196.158	2902.747	6350.135	10422.361	*16475.800*	*23606.548*	*30848.451 *
0.0	60.477	125.626	493.662	1195.870	2900.170	6349.753	10420.800	*16471.975*	*23600.199*	*30836.779 *
-1.0	60.477	125.626	493.656	1195.224	2899.264	6341.668	10406.581	*16449.197*	*23566.609*	*30795.559 *
-3.0	60.476	125.568	493.645	1193.934	2897.455	6295.349	10321.246	*16306.880*	*23356.048*	*30535.842 *
-5.0	60.476	125.529	493.633	1184.368	2863.154	6209.087	10160.533	*16036.582*	*22956.485*	*30041.774 *
-7.0	60.476	125.490	488.645	1175.200	2830.214	6083.327	9925.366	*15640.345*	*22372.041*	*29318.325 *
-9.0	60.475	125.452	485.388	1163.479	2787.006	5918.681	9617.065	*15121.068*	*21608.398*	*28400.913 *
-11.0	60.474	125.414	481.323	1149.249	2733.637	5715.896	9237.292	*14482.365*	*20672.587*	*27314.192 *
-13.0	60.473	123.705	476.459	1132.558	2670.238	5475.860	8788.018	*13728.502*	*19643.545*	*26044.154 *
-15.0	60.472	123.119	470.798	1113.458	2596.969	5199.571	8271.479	*12864.253*	*18639.005*	*24603.317 *
-17.0	60.471	122.457	464.349	1092.003	2514.015	4888.132	7751.390	*12170.655*	*17517.628*	*23004.543 *
-19.5	60.469	121.525	455.192	1061.963	2397.021	4564.599	7237.089	*11218.928*	*15963.145*	*20784.815 *
-22.5	60.467	120.256	442.621	1021.347	2237.720	4212.993	6545.309	9943.566	*13885.933*	*18209.739 *
-25.5	60.464	118.825	428.358	975.954	2058.602	3821.590	5777.940	8535.307	*11917.393*	*15637.631 *
-29.0	60.460	116.960	409.638	917.253	1825.828	3318.325	4795.351	7118.311	*9873.524	*12571.345 *
-33.0	60.456	114.576	385.595	843.043	1640.908	2760.937	4027.004	5704.800	7495.096	*9756.710 *
-37.5	60.450	111.589	355.321	759.409	1424.621	2303.450	3133.990	4263.304	5627.081	6938.121 *
-42.5	60.442	107.914	317.920	676.044	1162.941	1760.820	2387.906	3091.529	3914.651	4608.370
-47.5	60.434	103.892	276.856	585.282	992.270	1421.238	1741.083	2248.944	2669.282	3174.941
-55.0	60.421	97.276	229.410	450.096	735.355	999.534	1163.645	1399.776	1581.758	1729.410
-65.0	60.401	87.541	161.125	283.636	448.049	587.205	692.725	798.878	888.602	957.825
-75.0	60.380	77.027	108.095	158.688	224.339	269.852	308.983	343.662	370.918	391.957
-85.0	60.357	66.037	76.618	85.900	93.597	98.377	101.107	103.451	105.220	106.980
-90.0	60.346	60.472	60.722	60.970	60.807	60.377	60.089	59.801	59.541	59.474

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	59.346	59.564	59.782	59.964	60.109	60.254	60.398	60.543	60.687	60.831
85.0	126.095	128.284	130.301	131.846	132.989	134.049	136.426	136.853	137.280	137.707
75.0	465.899	476.682	485.236	490.692	493.984	496.340	497.779	498.322	497.989	499.249
65.0	1100.734	1128.475	1152.573	1169.614	1181.110	1190.596	1197.970	1203.136	1205.997	1206.464
55.0	2164.634	2357.078	2529.524	2657.002	2747.972	2828.871	2899.466	2959.543	3008.916	3047.428
47.5	3985.355	4376.918	4741.360	5081.101	5410.578	5704.107	5960.487	6178.623	6357.535	6496.381
42.5	5997.001	6778.015	7494.199	8036.320	8586.620	9136.554	9618.650	10030.096	10368.311	10631.002 *
37.5	8872.244	10313.185	11614.536	12622.223	13363.945	14281.989	15090.909	15784.814	16358.205	16806.150 *
33.0	12447.177	14417.759	16522.830	18112.348	19305.786	20386.631	21497.120	22514.737	23358.048	24018.789 *
29.0	16379.515	18957.740	21520.308	23762.072	25411.635	26952.217	28323.439	29511.570	30522.831	31332.536 *
25.5	19908.326	23283.309	26564.490	29069.121	30971.199	32767.047	34401.842	35816.314	36993.220	37917.081 *
22.5	23283.950	27103.849	30733.195	33639.392	35789.227	37759.684	39548.102	40941.856	42113.037	43041.794 *
19.5	26552.473	30713.774	34800.643	37995.458	40238.758	42161.426	43898.243	45478.013	46819.047	47890.393 *
17.0	29036.181	33569.639	37937.037	41109.445	43378.749	45492.916	47422.045	48979.330	50326.699	51420.483 *
15.0	30867.413	35656.285	40110.998	43310.698	45738.251	47968.027	49816.847	51475.665	52956.084	54184.753 *
13.0	32504.376	37517.441	41954.869	45339.421	47879.345	50039.278	52054.557	53886.318	55408.366	56509.717 *
11.0	33933.862	39102.056	43573.935	47164.742	49616.076	51937.542	54131.826	55871.218	57260.784	58487.953 *
9.0	35138.626	40287.037	44928.203	48543.843	51138.031	53620.604	55719.960	57445.971	59012.758	60365.796 *
7.0	36102.631	41240.377	46027.580	49621.667	52344.892	54928.938	56930.726	58826.285	60563.992	61810.596 *
5.0	36811.979	41943.740	46845.562	50425.758	53252.014	55687.316	57829.627	59930.064	61539.164	62988.794 *
3.0	37255.818	42381.998	47301.248	50927.847	53823.759	56155.103	58382.845	60458.717	62145.905	63638.14.706 *
1.0	37427.177	42544.584	47453.948	51107.254	54078.160	56299.322	58559.039	60563.358	62289.348	64115.668 *
0.0	37409.709	42520.725	47422.700	51072.450	53992.250	56244.370	58496.491	60474.831	62179.390	63883.949 *
-1.0	37368.512	42479.589	47379.592	51016.206	53969.722	56169.192	58399.373	60362.662	62026.695	63742.912 *
-3.0	37080.167	42187.588	47080.695	50658.477	53504.114	55772.573	57916.592	59877.271	61399.843	62800.656 *
-5.0	36520.358	41621.583	46484.654	49988.817	52736.387	55074.003	57090.713	59021.880	60390.702	61507.310 *
-7.0	35696.658	40793.098	45528.159	49033.380	51655.767	54115.424	55950.875	57624.591	59088.233	60001.301 *
-9.0	34620.423	39718.018	44295.383	47823.949	50298.894	52606.604	54507.268	56002.680	57295.455	58379.203 *
-11.0	33305.941	38415.207	42813.442	46304.510	48597.037	50736.449	52725.181	54233.122	55359.131	56666.734 *
-13.0	31769.518	36716.172	41050.086	44302.640	46702.711	48678.035	50488.618	52092.606	53456.249	54792.612 *
-15.0	30028.554	34737.047	39063.357	42122.151	44409.794	46469.884	48117.968	49557.688	51105.682	52531.351 *
-17.0	28117.042	32543.479	36769.753	39792.279	41921.326	43871.586	45611.605	47056.968	48543.925	49801.917 *
-19.5	25598.218	29581.213	33352.864	36556.045	38653.375	40420.200	41981.714	43368.269	45088.513	46286.078 *
-22.5	22316.688	25937.763	29367.032	32121.590	34128.659	35937.455	37704.443	39165.974	40418.911	41440.477 *
-25.5	18957.473	22141.482	25214.324	27532.260	29297.005	31018.040	32661.255	34103.109	35323.693	36303.951 *
-29.0	15482.215	17882.003	20252.958	22327.113	23864.982	25358.793	26695.146	27859.844	28870.324	29698.846 *
-33.0	11651.828	13461.280	15397.147	16852.899	17986.834	19012.529	20079.194	21064.228	21883.330	22527.415 *
-37.5	8239.231	9541.799	10698.419	11633.180	12323.811	13196.611	13964.867	14623.084	15166.158	15589.534 *
-42.5	5515.303	6208.722	6860.901	7364.489	7876.167	8387.903	8836.387	9219.025	9533.443	9777.534 *
-47.5	3619.829	3964.022	4310.082	4632.314	4942.143	5217.768	5458.264	5662.817	5830.732	5961.454
-55.0	1936.185	2116.045	2277.932	2397.398	2482.617	2558.470	2624.831	2681.600	2728.703	2766.093
-65.0	1000.832	1028.577	1053.213	1071.116	1083.573	1094.263	1103.085	1109.941	1114.735	1117.375
-75.0	408.810	421.326	432.058	439.640	444.818	449.210	452.822	455.661	457.733	461.323
-85.0	109.746	112.009	114.163	115.867	117.169	118.411	120.686	121.450	122.213	122.976
-90.0	59.848	60.168	60.489	60.755	60.969	61.182	61.395	61.608	61.820	62.033

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	60.975	61.119	61.191	61.210	61.248	61.287	61.325	61.363	61.401	61.439
85.0	138.134	138.561	138.775	138.735	138.655	138.575	138.495	138.415	138.335	136.277
75.0	495.665	492.081	490.289	491.073	492.641	494.209	491.070	489.540	487.220	484.108
65.0	1207.420	1200.197	1196.585	1197.493	1199.310	1193.093	1187.477	1179.664	1169.799	1158.032

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

CANDELA TABULATION - (Cont.)

55.0	3087.499	3092.785	3095.430	3087.292	3071.025	3020.221	2971.174	2911.611	2841.783	2761.963
47.5	6594.461	6651.244	6664.028	6644.576	6574.475	6463.125	6311.087	6119.093	5888.011	5618.849
42.5	10816.198	10922.323	10945.350	10914.213	10791.965	10590.934	10312.882	9959.955	9534.613	9039.587 *
37.5	17124.362	17309.376	17351.100	17299.713	17095.390	16757.911	16290.770	15698.278	14985.391	14157.624 *
33.0	24489.975	24766.146	24829.870	24752.099	24448.480	23951.768	23268.627	22407.145	21376.548	20254.480 *
29.0	31910.393	32250.384	32330.089	32224.651	31834.916	31212.394	30366.226	29324.989	28110.684	26721.447 *
25.5	38575.130	38958.226	39044.980	38913.346	38442.950	37704.823	36712.423	35482.169	34032.396	32382.379 *
22.5	43710.900	44107.180	44200.324	44045.211	43527.647	42745.006	41714.931	40458.220	38997.271	37206.758 *
19.5	48610.885	49033.736	49137.463	48950.015	48364.264	47493.495	46288.874	44836.959	43179.613	41540.558 *
17.0	52227.650	52720.463	52842.790	52610.564	51904.634	50903.405	49644.374	48166.912	46674.334	44857.678 *
15.0	55100.796	55713.591	55807.051	55576.327	54699.138	53545.200	52117.965	50558.953	49052.095	47342.212 *
13.0	57357.927	57908.902	58062.031	57743.277	56871.874	55733.009	54383.169	52960.503	51293.725	49425.305 *
11.0	59477.829	60132.538	60317.010	59928.130	58882.038	57547.203	56197.825	54981.916	53403.026	51360.315 *
9.0	61411.827	62093.930	62303.800	61825.760	60649.142	59203.403	58020.062	56637.656	55067.485	53108.663 *
7.0	62917.272	63761.091	64022.400	63382.169	61863.292	60644.464	59681.192	58135.108	56391.538	54537.119 *
5.0	64291.017	65473.540	65741.000	64895.435	62839.755	61954.221	60800.178	59411.091	57493.234	55496.467 *
3.0	64906.657	665448.791	65722.800	64853.342	62934.537	63063.433	61703.914	60239.373	58311.994	56194.643 *
1.0	64789.082	65432.674	65704.600	65108.315	64537.001	63941.296	62294.101	60699.577	58787.578	56592.091 *
0.0	64608.569	65333.190	65695.500	65369.200	64716.600	64064.000	62434.059	60804.118	58882.459	56669.081 *
-1.0	64404.204	65012.266	65603.200	65373.938	64761.365	64158.593	62421.031	60776.720	58835.004	56620.553 *
-3.0	63646.667	64554.689	65418.600	65235.564	64730.530	63619.081	62044.552	60450.205	58444.210	56273.655 *
-5.0	62337.428	64409.783	65234.000	65070.825	64050.057	62754.576	61302.955	59706.731	57683.421	55608.478 *
-7.0	61206.747	62732.778	63360.700	63204.450	62550.220	61539.021	60293.527	58543.180	56629.023	54657.256 *
-9.0	59842.173	61020.804	61487.400	61386.167	60903.129	60042.487	58700.471	57123.787	55382.608	53276.170 *
-11.0	57988.131	59013.215	59387.640	59307.609	58848.848	58033.966	56906.314	55509.323	53763.410	51573.477 *
-13.0	55913.114	56758.932	57061.419	57001.788	56627.814	55941.015	54984.369	53490.147	51661.597	49651.717 *
-15.0	53671.122	54523.201	54735.199	54728.345	54277.339	53513.614	52427.065	51048.304	49395.223	47553.442 *
-17.0	50791.386	51475.168	51692.679	51651.784	51315.038	50654.952	49699.687	48482.998	46967.373	45039.747 *
-19.5	47146.441	47714.176	47889.528	47863.472	47590.194	47011.833	46074.306	44857.544	43387.739	41655.116 *
-22.5	42209.550	42708.249	42851.900	42830.583	42573.436	42036.839	41233.445	40180.217	38896.986	37184.026 *
-25.5	37026.683	37477.623	37597.757	37577.884	37324.414	36790.191	35984.132	34918.922	33610.095	32075.077 *
-29.0	30300.661	30666.035	30757.741	30740.920	30523.206	30062.818	29365.665	28472.227	27406.430	26149.144 *
-33.0	22988.520	23260.078	23323.169	23311.235	23140.423	22775.412	22219.850	21479.041	20559.733	19546.834 *
-37.5	15889.286	16062.279	16100.499	16094.418	15984.859	15746.026	15379.453	14887.567	14273.560	13541.333 *
-42.5	9949.494	10047.888	10069.150	10065.552	10001.942	9863.145	9649.548	9361.957	9001.547	8569.840 *
-47.5	6054.565	6109.810	6123.195	6119.201	6082.577	6007.605	5894.226	5742.555	5552.859	5325.563
-55.0	2804.646	2812.904	2817.035	2817.686	2818.986	2789.802	2761.625	2723.469	2675.307	2617.145
-65.0	1120.481	1116.141	1113.970	1118.471	1127.472	1128.988	1130.940	1130.683	1128.295	1123.857
-75.0	460.429	459.536	459.089	460.752	464.076	467.400	466.179	466.466	465.946	464.604
-85.0	123.740	124.503	124.885	124.956	125.098	125.241	125.383	125.525	125.667	124.195
-90.0	62.245	62.458	62.564	62.606	62.689	62.772	62.855	62.937	63.020	63.102

Vert. Angles Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	61.476	61.513	61.560	61.615	61.670	61.734	61.544	61.231	60.884	60.537
85.0	135.550	134.734	133.592	132.046	130.314	128.065	123.916	118.612	112.536	106.336
75.0	480.202	475.499	468.503	458.471	446.665	430.672	405.329	372.977	332.618	287.802
65.0	1144.511	1129.388	1108.459	1080.763	1050.721	1004.695	929.904	833.604	720.101	608.503
55.0	2672.451	2573.560	2437.264	2256.000	2057.468	1819.636	1645.236	1440.091	1187.286	1016.683
47.5	5312.725	4970.860	4616.738	4236.609	3839.721	3332.973	2768.128	2305.126	1764.444	1430.919
42.5	8477.823	7916.077	7357.806	6625.666	5836.072	4825.193	4052.025	3155.646	2405.612	1757.621
37.5	13220.882	12465.366	11443.483	10134.455	8687.114	7247.579	5811.231	4341.599	3141.548	2286.804
33.0	19154.056	17941.307	16334.435	14210.699	12228.386	10154.093	7715.797	5797.695	4028.260	2738.691
29.0	25171.719	23532.918	21311.674	18744.223	16147.353	13030.441	10134.680	7212.732	4801.183	3300.726
25.5	30616.476	28756.589	26279.904	23028.103	19668.324	16126.928	12190.340	8634.132	5803.938	3809.773

CANDELA TABULATION - (Cont.)

22.5	35317.77133234.45130389.31826799.44623007.70918702.14014153.77210080.8796585.957 *4204.973
19.5	39703.00837535.65734413.56030373.61726239.69321246.25416274.99811390.7237289.855 *4559.319
17.0	42838.51340647.19337548.93733226.87828700.21423472.36417872.24712367.8357812.275 *4886.560
15.0	45217.26942869.84739744.53535330.83730580.13425098.27719025.63813079.6748344.587 *5203.107
13.0	47395.49444939.86341624.99837261.19232327.76826565.40420059.90313967.2608874.168 *5483.577
11.0	49169.71646827.68043325.26638972.78933873.79527860.54021110.80214741.8199334.438 *5726.879
9.0	50752.72548302.73944814.78640282.57635200.51628970.76422064.15815398.3099723.089 *5932.027
7.0	52106.03549518.52446058.45941367.32736291.17329903.30422843.19315932.18710038.0876098.159
5.0	53188.13150480.33347029.18642208.15637130.87230636.07123440.51716339.56210277.7166224.554
3.0	53957.96851157.82047639.57242789.07437707.50631139.76923850.08116617.26810440.6126310.631
1.0	54427.84651526.62647955.24943098.36438012.63731408.82624067.39816763.00610525.8196355.983
0.0	54455.70351590.24248008.41643148.95238061.92231454.41024103.03916785.92510539.1006363.305
-1.0	54442.62251532.83147953.43643093.27338005.11631396.12324052.54416750.16610517.7766351.744
-3.0	53998.52151174.02947632.49242773.40937684.13131101.10623805.35516578.94010416.6776298.004
-5.0	53245.01850499.68547013.03242180.76937089.25830569.81423365.43416276.31610238.4656203.819
-7.0	52165.17849530.65746032.08341326.41336227.51629806.82422736.96215844.9509984.467 *6069.775
-9.0	50801.47048295.02841774.88940225.80835109.82528842.30521925.71715288.3479656.396 *5896.623
-11.0	49259.34646816.53643268.14738897.47233750.16927699.56320938.85314610.6959256.291 *5685.247
-13.0	47499.46144958.54141570.54137150.51932164.67626369.81019856.29813816.7998786.474 *5436.659
-15.0	45324.09942894.95139693.19735187.57730370.69124865.80218799.33012911.9188249.504 *5151.977
-17.0	42926.13440656.81537470.97033046.06128448.47923200.65217626.37912189.0577711.612 *4832.410
-19.5	39735.40237485.75734262.75430124.53625949.43820927.36116009.28011203.5497183.322 *4503.330
-22.5	35210.13633048.57130116.44926481.12022665.51618367.37613873.7229891.568 *6476.527 4149.805
-25.5	30321.09628414.32525920.49922648.15419284.49615798.93711922.8218451.473 *5696.311 3758.843
-29.0	24712.85423100.25520867.50518330.93615784.22412718.3249894.769 *7047.282 *4701.681 3259.208
-33.0	18566.97917465.44015916.13013839.64111903.5829885.731 *7512.790 *5659.001 3947.832 2709.662
-37.5	12695.35112023.81311093.6609825.688 *8420.996 *7035.145 *5657.329 4241.506 3092.058 2263.581
-42.5	8068.664 *7564.335 *7075.695 *6407.989 5659.263 4693.641 3955.558 3098.799 2375.984 1743.898
-47.5	5061.233 4760.566 4448.980 4113.790 3741.195 3258.740 2719.816 2274.842 1750.651 1418.319
-55.0	2549.018 2470.988 2359.671 2206.198 2031.537 1804.063 1635.990 1435.091 1183.556 1010.798
-65.0	1117.454 1109.172 1096.312 1077.437 1055.099 1012.344 934.104 834.791 717.998 603.849
-75.0	462.424 459.393 454.390 446.577 436.766 422.767 396.973 364.006 322.985 277.550
-85.0	123.803 123.337 122.648 121.670 120.528 118.993 115.973 112.026 107.426 102.647
-90.0	63.185 63.267 63.369 63.492 63.614 63.756 63.683 63.511 63.321 63.129

Vert. Horizontal Angles
Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	60.015	60.629	62.551	64.470	65.429
85.0	96.951	87.292	79.317	70.264	65.441
75.0	233.766	163.300	112.562	81.728	65.464
65.0	461.324	290.649	166.766	92.720	65.486
55.0	743.888	459.334	235.576	102.917	65.506
47.5	999.185	593.684	283.256	109.859	65.520
42.5	1168.458	683.195	324.485	114.086	65.529
37.5	1422.171	765.431	361.963	117.952	65.536
33.0	1631.941	847.862	392.230	121.100	65.542
29.0	1811.775	920.809	416.213	123.616	65.547
25.5	2041.852	978.352	434.839	125.590	65.551
22.5	2218.974	1022.728	448.993	127.107	65.554
19.5	2376.569	1062.316	461.435	128.457	65.556
17.0	2492.353	1091.503	470.469	129.451	65.558
15.0	2574.474	1112.285	476.812	130.160	65.560
13.0	2647.025	1130.726	482.359	130.791	65.561
11.0	2709.815	1146.777	487.107	132.583	65.562
9.0	2762.678	1160.392	491.049	132.646	65.562

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

CANDELA TABULATION - (Cont.)

7.0	2805.474	1171.527	494.183	132.709	65.563
5.0	2838.091	1180.147	499.039	132.773	65.564
3.0	2872.079	1189.145	498.929	132.836	65.564
1.0	2873.776	1190.032	498.819	132.932	65.564
0.0	2874.625	1190.475	498.764	132.932	65.564
-1.0	2872.961	1189.785	498.762	132.888	65.564
-3.0	2869.637	1188.406	498.757	132.801	65.564
-5.0	2834.103	1178.935	498.753	132.714	65.563
-7.0	2800.006	1169.857	493.779	132.627	65.563
-9.0	2755.841	1158.290	490.526	132.541	65.562
-11.0	2701.752	1144.279	486.463	132.455	65.561
-13.0	2637.906	1127.872	481.592	130.647	65.560
-15.0	2564.497	1109.123	475.917	129.997	65.559
-17.0	2481.736	1088.087	469.444	129.271	65.558
-19.5	2365.494	1058.666	460.241	128.256	65.556
-22.5	2207.899	1018.936	447.588	126.885	65.553
-25.5	2031.418	974.581	433.211	125.351	65.550
-29.0	1802.951	917.288	414.311	123.363	65.547
-33.0	1622.060	844.937	389.994	120.838	65.542
-37.5	1410.669	763.010	359.323	117.692	65.536
-42.5	1155.081	680.191	321.365	113.841	65.528
-47.5	989.333	590.031	279.622	109.646	65.520
-55.0	739.178	454.408	232.231	102.777	65.506
-65.0	454.278	283.314	164.267	92.725	65.485
-75.0	225.271	158.861	111.407	81.918	65.463
-85.0	95.251	87.321	79.906	70.659	65.440
-90.0	62.842	63.116	64.044	64.968	65.428

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 31332.83

Total Field Lumens (one side of beam only) = 28273.00

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.15	0.30	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.28
75	0.96	1.92	1.93	1.92	1.91	1.89	1.87	1.84	1.81	2.22
65	2.57	5.16	5.16	5.13	5.09	5.04	4.98	4.90	4.81	5.86
55	6.53	13.05	12.94	12.75	12.54	12.27	11.95	11.59	11.18	13.34
47.5	11.14	22.15	21.85	21.40	20.82	20.11	19.28	18.32	17.25	20.07
42.5	13.39 *	26.60 *	26.19 *	25.57 *	24.75 *	23.73 *	22.53 *	21.16 *	19.69 *	22.70
37.5	21.52 *	42.72 *	42.01 *	40.94 *	39.52 *	37.76 *	35.70 *	33.35 *	31.00 *	35.68 *
33	28.87 *	57.29 *	56.30 *	54.80 *	52.83 *	50.40 *	47.61 *	44.60 *	41.57 *	47.62 *
29	34.77 *	69.00 *	67.82 *	66.05 *	63.73 *	60.91 *	57.69 *	54.19 *	50.48 *	57.51 *
25.5	37.99 *	75.41 *	74.16 *	72.30 *	69.87 *	66.93 *	63.53 *	59.74 *	55.67 *	63.53 *
22.5	37.98 *	75.41 *	74.22 *	72.46 *	70.18 *	67.42 *	64.15 *	60.47 *	56.52 *	64.72 *
19.5	42.58 *	84.56 *	83.27 *	81.36 *	78.87 *	75.89 *	72.47 *	68.65 *	64.44 *	73.97 *
17	38.77 *	76.95 *	75.74 *	73.99 *	71.74 *	69.11 *	66.15 *	62.84 *	59.19 *	68.25 *
15	33.04 *	65.53 *	64.42 *	62.87 *	60.96 *	58.82 *	56.41 *	53.62 *	50.52 *	58.45 *
13	34.62 *	68.64 *	67.46 *	65.86 *	63.91 *	61.66 *	59.14 *	56.30 *	53.10 *	61.45 *
11	35.98 *	71.28 *	70.02 *	68.39 *	66.50 *	64.28 *	61.62 *	58.64 *	55.39 *	64.14 *
9	37.25 *	73.73 *	72.32 *	70.60 *	68.69 *	66.48 *	63.81 *	60.69 *	57.32 *	66.44 *
7	38.36 *	75.79 *	74.27 *	72.60 *	70.63 *	68.27 *	65.59 *	62.44 *	58.90 *	68.31 *
5	39.37 *	77.54 *	75.86 *	74.22 *	72.23 *	69.74 *	66.93 *	63.77 *	60.16 *	69.79 *
3	39.87 *	78.64 *	77.15 *	75.43 *	73.33 *	70.80 *	67.86 *	64.69 *	61.08 *	70.84 *
1	39.88 *	79.00 *	77.96 *	76.24 *	73.96 *	71.39 *	68.42 *	65.25 *	61.64 *	71.43 *
0	19.95 *	39.57 *	39.10 *	38.26 *	37.08 *	35.79 *	34.30 *	32.71 *	30.91 *	35.81 *
-1	19.94 *	39.54 *	39.07 *	38.24 *	37.06 *	35.77 *	34.29 *	32.70 *	30.90 *	35.80 *
	39.77 *	78.80 *	77.77 *	76.07 *	73.80 *	71.25 *	68.29 *	65.13 *	61.53 *	71.31 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

LUMENS TABULATION - (Cont.)

-3	39.64 *	78.24 *	76.79 *	75.10 *	73.03 *	70.52 *	67.61 *	64.46 *	60.87 *	70.61 *
-5	39.04 *	76.95 *	75.35 *	73.75 *	71.79 *	69.33 *	66.56 *	63.43 *	59.86 *	69.45 *
-7	37.93 *	75.02 *	73.60 *	72.00 *	70.08 *	67.76 *	65.12 *	62.00 *	58.50 *	67.85 *
-9	36.74 *	72.80 *	71.51 *	69.88 *	68.04 *	65.88 *	63.25 *	60.17 *	56.83 *	65.88 *
-11	35.41 *	70.24 *	69.10 *	67.58 *	65.76 *	63.59 *	60.97 *	58.03 *	54.82 *	63.47 *
-13	34.01 *	67.50 *	66.43 *	64.94 *	63.07 *	60.87 *	58.40 *	55.61 *	52.44 *	60.68 *
-15	32.38 *	64.30 *	63.29 *	61.84 *	60.01 *	57.93 *	55.57 *	52.83 *	49.78 *	57.58 *
-17	37.87 *	75.26 *	74.18 *	72.55 *	70.40 *	67.87 *	64.98 *	61.74 *	58.14 *	67.01 *
-19.5	41.42 *	82.34 *	81.20 *	79.43 *	77.07 *	74.20 *	70.87 *	67.15 *	63.01 *	72.27 *
-22.5	36.72 *	73.00 *	71.95 *	70.33 *	68.17 *	65.52 *	62.36 *	58.78 *	54.92 *	62.84 *
-25.5	36.40 *	72.35 *	71.26 *	69.55 *	67.28 *	64.50 *	61.26 *	57.62 *	53.69 *	61.26 *
-29	32.92 *	65.43 *	64.42 *	62.83 *	60.69 *	58.08 *	55.06 *	51.78 *	48.28 *	55.03 *
-33	27.00 *	53.68 *	52.86 *	51.56 *	49.78 *	47.56 *	44.97 *	42.18 *	39.38 *	45.19 *
-37.5	19.92 *	39.61 *	39.05 *	38.13 *	36.88 *	35.31 *	33.43 *	31.28 *	29.12 *	33.59 *
-42.5	12.32 *	24.52 *	24.19 *	23.67 *	22.96 *	22.06 *	20.99 *	19.75 *	18.40	21.25
-47.5	10.21	20.33	20.10	19.73	19.24	18.63	17.89	17.04	16.08	18.75
-55	5.99	11.98	11.91	11.77	11.60	11.38	11.12	10.81	10.45	12.51
-65	2.40	4.82	4.82	4.81	4.78	4.73	4.68	4.61	4.53	5.53
-75	0.89	1.78	1.79	1.78	1.77	1.75	1.73	1.70	1.67	2.04
-85	0.14	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.33
-90										
Total	1174.62	2328.99	2291.38	2239.27	2172.99	2093.81	2001.98	1899.15	1786.39	2062.68

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.41	0.40	0.44	0.48	0.50	0.51	0.46	0.58	0.58	0.37
85	2.57	2.47	2.73	2.88	2.89	2.77	2.29	2.63	2.25	1.15
75	6.78	6.48	7.11	7.40	7.26	6.72	5.35	5.81	4.45	1.92
65	14.98	13.77	14.42	14.46	13.91	12.49	9.73	10.33	7.57	3.03
55	22.03	19.78	20.08	19.21	17.59	15.06	11.19	11.48	8.11	3.09

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

LUMENS TABULATION - (Cont.)

47.5										
	24.65	21.74	21.49	19.96	17.60	14.43	10.20	9.81	6.66	2.47
42.5										
	38.26 *	33.00 *	31.92 *	29.10	24.78	19.50	13.29	12.17	7.81	2.80
37.5										
	50.38 *	42.87 *	41.29 *	36.82 *	30.31	23.21	15.17	13.33	8.13	2.79
33										
	60.58 *	51.56 *	49.30 *	43.35 *	35.06 *	25.96	16.38	13.87	8.07	2.70
29										
	67.06 *	57.01 *	54.29 *	47.52 *	37.89 *	27.45 *	17.00	13.99	7.78	2.52
25.5										
	68.52 *	58.25 *	55.46 *	48.34 *	38.27 *	27.59 *	16.73	13.39	7.25	2.26
22.5										
	78.48 *	67.01 *	63.80 *	55.54 *	43.96 *	31.26 *	18.52	14.54	7.73	2.35
19.5										
	72.67 *	62.19 *	59.38 *	51.78 *	40.76 *	28.56 *	16.70	12.95	6.76	2.02
17										
	62.51 *	53.63 *	51.35 *	44.80 *	35.03 *	24.41 *	14.25	10.95	5.59	1.65
15										
	65.94 *	56.77 *	54.46 *	47.48 *	37.09 *	25.92 *	15.13 *	11.48	5.74	1.67
13										
	68.96 *	59.58 *	57.24 *	49.93 *	39.11 *	27.42 *	15.92 *	11.94	5.86	1.69
11										
	71.50 *	61.94 *	59.63 *	52.14 *	40.96 *	28.70 *	16.59 *	12.33	5.97	1.71
9										
	73.58 *	63.84 *	61.64 *	54.02 *	42.52 *	29.75 *	17.15 *	12.65	6.06	1.73
7										
	75.22 *	65.34 *	63.23 *	55.50 *	43.74 *	30.57 *	17.58 *	12.89	6.12	1.74
5										
	76.38 *	66.41 *	64.37 *	56.57 *	44.61 *	31.15 *	17.88 *	13.08	6.18	1.75
3										
	77.02 *	67.03 *	65.03 *	57.19 *	45.11 *	31.49 *	18.06 *	13.18	6.21	1.76
1										
	38.62 *	33.62 *	32.63 *	28.71 *	22.65 *	15.81 *	9.06 *	6.60	3.10	0.88
0										
	38.60 *	33.61 *	32.62 *	28.69 *	22.63 *	15.80 *	9.06 *	6.60	3.10	0.88
-1										
	76.90 *	66.92 *	64.91 *	57.07 *	45.01 *	31.42 *	18.02 *	13.16	6.20	1.76
-3										
	76.13 *	66.18 *	64.12 *	56.32 *	44.40 *	31.01 *	17.80 *	13.03	6.16	1.75
-5										
	74.85 *	65.00 *	62.85 *	55.13 *	43.43 *	30.36 *	17.46 *	12.82	6.10	1.74
-7										
	73.08 *	63.38 *	61.13 *	53.52 *	42.12 *	29.47 *	17.00 *	12.55	6.02	1.72
-9										
	70.89 *	61.36 *	59.00 *	51.53 *	40.47 *	28.36 *	16.41 *	12.22	5.93	1.71
-11										
	68.22 *	58.89 *	56.49 *	49.22 *	38.54 *	27.03 *	15.71 *	11.81	5.82	1.69
-13										
	65.08 *	55.95 *	53.60 *	46.68 *	36.44 *	25.49 *	14.90 *	11.34	5.69	1.66
-15										
	61.53 *	52.69 *	50.38 *	43.92 *	34.33 *	23.95 *	14.01	10.80	5.54	1.63
-17										
	71.26 *	60.89 *	58.05 *	50.59 *	39.83 *	27.94 *	16.38	12.75	6.68	2.00
-19.5										
	76.58 *	65.32 *	62.13 *	54.05 *	42.80 *	30.49 *	18.12	14.27	7.63	2.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

LUMENS TABULATION - (Cont.)

-22.5	66.48 *	56.48 *	53.75 *	46.84 *	37.11 *	26.82 *	16.33	13.12	7.15	2.24
-25.5	64.66 *	54.97 *	52.34 *	45.84 *	36.60 *	26.60	16.55	13.68	7.66	2.49
-29	57.99 *	49.39 *	47.27 *	41.62 *	33.75 *	25.08	15.89	13.53	7.92	2.66
-33	47.88 *	40.80 *	39.36 *	35.19 *	29.06	22.35	14.68	12.97	7.96	2.75
-37.5	36.10 *	31.21 *	30.27	27.69	23.68	18.72	12.83	11.81	7.64	2.75
-42.5	23.13	20.47	20.30	18.92	16.77	13.83	9.82	9.51	6.49	2.42
-47.5	20.63	18.57	18.92	18.18	16.75	14.43	10.79	11.13	7.89	3.02
-55	14.09	12.99	13.66	13.76	13.30	11.99	9.37	9.96	7.32	2.94
-65	6.41	6.13	6.74	7.02	6.90	6.39	5.09	5.52	4.25	1.86
-75	2.37	2.27	2.51	2.65	2.68	2.57	2.14	2.48	2.15	1.13
-85	0.38	0.37	0.42	0.45	0.48	0.49	0.44	0.57	0.58	0.38
-90										
Total	2210.36	1908.52	1842.08	1628.05	1308.7	951.34	583.40	475.59	265.86	87.58

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.18	0.02		7.81
85				
	0.45	0.05		43.38
75				
	0.59	0.05		108.61
65				
	0.78	0.05		233.67
55				
	0.72	0.04		340.78
47.5				
	0.55	0.03		375.90
42.5				
	0.60	0.03		573.44
37.5				
	0.59	0.03		746.79
33				
	0.55	0.02		889.56
29				
	0.51	0.02		972.18
25.5				
	0.45	0.02		980.08
22.5				
	0.46	0.02		1109.74
19.5				
	0.39	0.02		1016.9
17				
	0.32	0.01		869.16

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

LUMENS TABULATION - (Cont.)

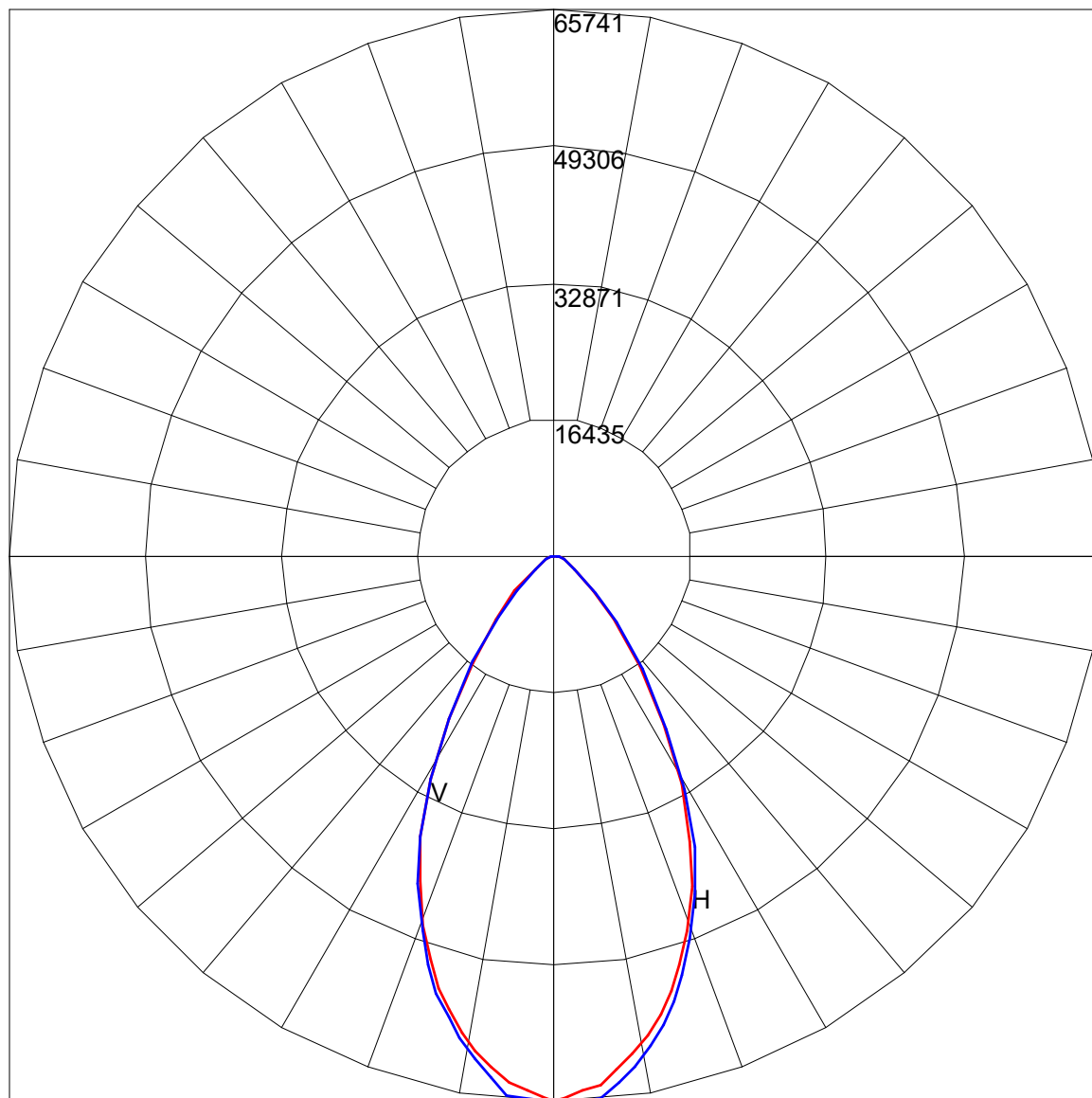
15	0.32	0.01	914.17
13	0.32	0.01	954.23
11	0.33	0.01	989.16
9	0.33	0.01	1018.42
7	0.33	0.01	1041.88
5	0.33	0.01	1058.42
3	0.33	0.01	1067.6
1	0.17	0.01	535.33
0	0.17	0.01	535.06
-1	0.33	0.01	1065.43
-3	0.33	0.01	1054.12
-5	0.33	0.01	1035.57
-7	0.33	0.01	1010.21
-9	0.32	0.01	979.22
-11	0.32	0.01	942.71
-13	0.32	0.01	901.13
-15	0.32	0.01	854.63
-17	0.39	0.02	996.78
-19.5	0.46	0.02	1083.13
-22.5	0.44	0.02	951.36
-25.5	0.50	0.02	937.08
-29	0.55	0.02	850.19
-33	0.58	0.03	707.77
-37.5	0.60	0.03	539.64
-42.5	0.54	0.03	352.35
-47.5	0.71	0.04	319.09
-55	0.77	0.05	219.71
-65	0.58	0.05	102.63

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

LUMENS TABULATION - (Cont.)

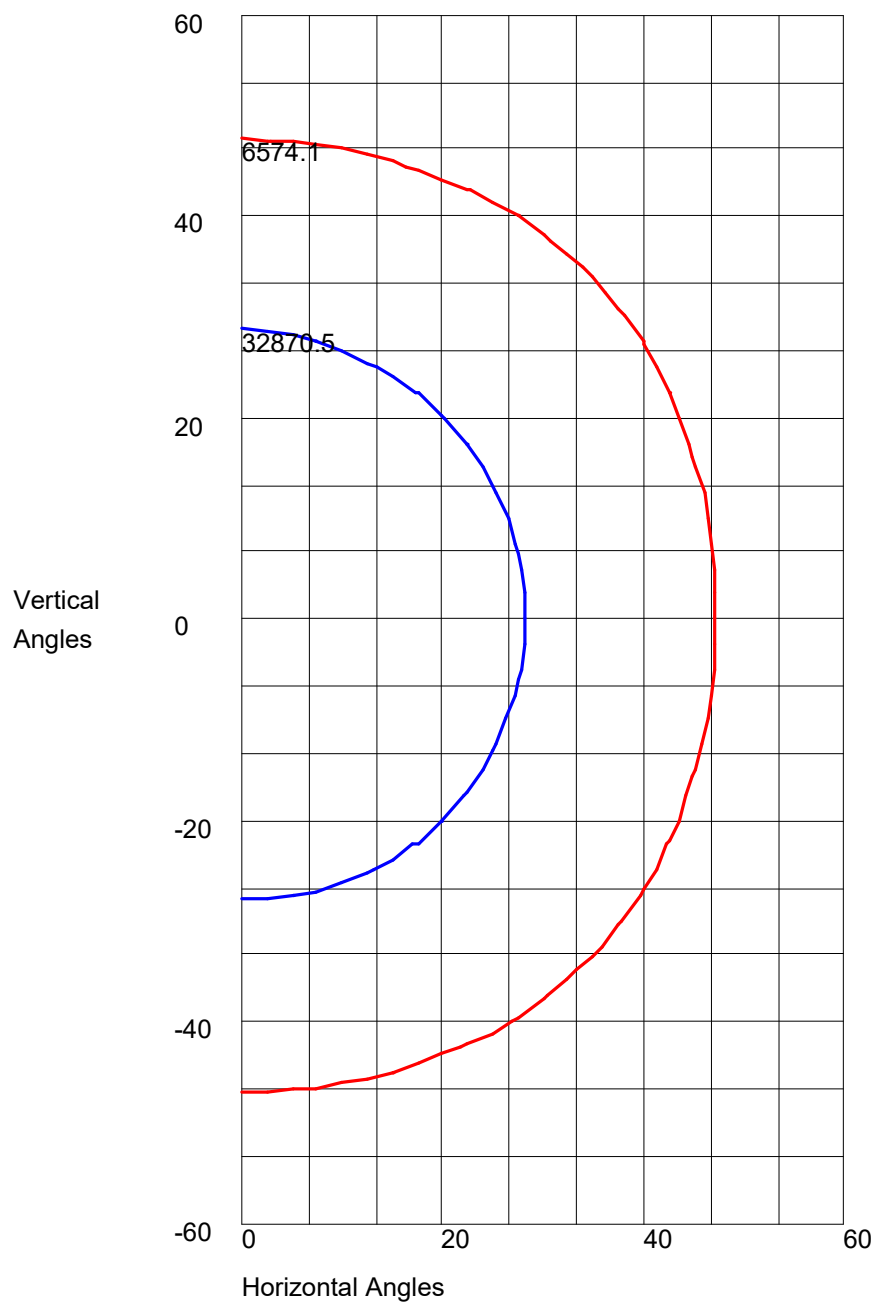
-75	0.44	0.05	40.33
-85	0.18	0.02	7.45
-90			
Total	19.09	1.00	31332.82

AXIAL CANDELA DISPLAY



Maximum Candela = 65741 Located At Horizontal Angle = 0, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 65741 Located At Horizontal Angle = 0, Vertical Angle = 5
50% Maximum Candela = 32870.5
10% Maximum Candela = 6574.1



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194045
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-90WF
[LUMINAIRE] 500W LED FLOOD LIGHT - 90 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	41763.801
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	77.3
Vertical Beam Angle (50%)	78.7
Horizontal Field Angle (10%)	115.8
Vertical Field Angle (10%)	116.5
Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Beam Lumens	41973
Beam Efficiency	65 %
Field Lumens	59387
Field Efficiency	91 %
Spill Lumens	3762
Luminaire Lumens	63149
Total Efficiency	97 %
Total Luminaire Watts	500
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.162	90	.137
85	80.808	85	68.478
75	546.897	75	517.14
65	1625	65	1608.88
55	5337.15	55	5272.93
47.5	12107.875	47.5	12244.051
42.5	17243.2	42.5	17514.25
37.5	22201.4	37.5	22610.574
33	26036.529	33	26538.589
29	28976.868	29	29533.14
25.5	31408.39	25.5	32105.254
22.5	33167.549	22.5	33963.151
19.5	34785.138	19.5	35666.997
17	35814.089	17	36733.971
15	36637.25	15	37587.551
13	37452.089	13	38447.631
11	38266.928	11	39307.71
9	39035.359	9	40135.55
7	39757.38	7	40931.15
5	40479.402	5	41726.75
3	40890.721	3	41639.13
1	41302.04	1	41551.509
0	41507.699	0	41507.699
-1	41300.48	-1	41558.919
-3	40886.041	-3	41661.36
-5	40471.602	-5	41763.801
-7	39779.222	-7	40998.36
-9	39086.842	-9	40232.919
-11	38329.722	-11	39439.14
-13	37507.861	-13	38617.021
-15	36686	-15	37794.902
-17	35862.58	-17	36947.041
-19.5	34833.304	-19.5	35887.215
-22.5	33239.699	-22.5	34196.5
-25.5	31504.914	-25.5	32354.92
-29	29075.671	-29	29815.109
-33	26133.641	-33	26807.559
-37.5	22282.324	-37.5	22896.575
-42.5	17281.549	-42.5	17836
-47.5	12071.475	-47.5	12560.275
-55	5273.19	-55	5519.735
-65	1591.785	-65	1689.675
-75	529.835	-75	541.684
-85	70.857	-85	81.543
-90	.142	-90	.163

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

CANDELA TABULATION

Maximum Candela = 41763.801

Beam Edge = 20881.9005 Cd (50% of Max.)

Field Edge = 4176.3801 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0.000	0.012	0.036	0.057	0.078	0.092	0.101	0.109	0.116	0.122
85.0	0.012	6.115	17.843	28.622	38.711	45.994	50.483	54.635	58.053	60.728
75.0	0.037	18.164	53.062	115.989	201.844	261.058	316.148	365.371	404.419	434.753
65.0	0.060	29.679	116.083	272.816	504.026	702.113	854.793	1009.547	1164.927	1298.811
55.0	0.081	40.319	198.584	496.108	905.214	1355.974	1658.919	2155.831	2548.683	2880.582
47.5	0.096	47.531	255.735	683.256	1328.398	2158.678	2821.725	4030.228	5033.283	*6261.369 *
42.5	0.105	51.905	309.489	811.398	1614.301	2830.809	4319.424	*5987.681	*7961.204	*9604.413 *
37.5	0.112	55.891	358.146	929.361	2121.604	4084.498	6041.004	*8689.235	*11267.386	*13554.255 *
33.0	0.119	59.122	397.251	1059.775	2535.643	5139.697	*8060.161	*11315.233	*14391.522	*17039.656 *
29.0	0.124	61.694	428.071	1178.396	2894.606	6395.525	*9725.665	*13650.088	*17081.238	*20104.333 *
25.5	0.128	63.700	451.869	1270.972	3426.253	7520.526	*11341.779	*15551.447	*19271.711	*22148.416 *
22.5	0.131	65.234	469.842	1341.604	3833.192	8392.146	*12594.965	*17047.061	*20897.200	*23842.681 *
19.5	0.134	66.590	485.526	1403.898	4192.904	*9171.748	*13715.819	*18391.326	*22249.009	*25278.304 *
17.0	0.136	67.581	496.820	1449.262	4455.210	*9793.906	*14541.823	*19385.913	*23252.439	*26168.290 *
15.0	0.137	68.283	504.680	1481.174	4639.821	*10295.369	*15142.811	*20090.613	*23970.748	*26805.079 *
13.0	0.138	68.902	511.487	1509.132	4801.515	*10737.289	*15678.220	*20641.320	*24608.699	*27375.749 *
11.0	0.139	70.740	517.234	1533.086	4939.905	*11118.109	*16139.713	*21117.008	*25078.429	*27874.901 *
9.0	0.140	70.761	521.920	1552.995	5054.659	*11436.471	*16525.214	*21514.730	*25439.405	*28297.276 *
7.0	0.141	70.782	525.540	1568.824	5145.519	*11691.235	*16832.970	*21831.916	*25728.245	*28627.043 *
5.0	0.141	70.803	531.401	1580.547	5212.288	*11881.507	*17061.596	*22066.467	*25941.987	*28863.071 *
3.0	0.142	70.825	530.776	1592.797	5282.107	*12006.638	*17210.100	*22216.789	*26078.227	*29013.517 *
1.0	0.142	70.846	530.149	1592.122	5276.165	*12066.265	*17277.935	*22281.881	*26135.216	*29076.849 *
0.0	0.142	70.857	529.835	1591.785	5273.190	*12071.475	*17281.549	*22282.324	*26133.641	*29075.671 *
-1.0	0.142	70.857	530.099	1592.103	5274.661	*12065.125	*17274.937	*22274.186	*26120.715	*29055.166 *
-3.0	0.142	70.835	530.627	1592.739	5277.601	*12003.245	*17201.234	*22194.031	*26035.199	*28948.902 *
-5.0	0.141	70.820	531.154	1580.444	5204.888	*11875.949	*17047.238	*22029.617	*25871.826	*28756.807 *
-7.0	0.141	70.805	525.203	1568.672	5135.316	*11683.652	*16813.739	*21782.560	*25633.219	*28481.196 *
-9.0	0.140	70.791	521.493	1552.785	5041.807	*11427.058	*16501.957	*21455.024	*25322.569	*28116.158 *
-11.0	0.139	70.776	516.723	1532.807	4924.598	*11107.111	*16113.487	*21049.618	*24943.520	*27665.115 *
-13.0	0.138	68.944	510.897	1508.770	4783.988	*10724.996	*15650.271	*20569.357	*24460.225	*27143.424 *
-15.0	0.137	68.331	504.020	1480.714	4620.343	*10282.113	*15114.548	*20017.551	*23814.108	*26556.832 *
-17.0	0.136	67.635	496.098	1448.688	4434.081	*9780.055	*14513.869	*19310.808	*23092.979	*25911.023 *
-19.5	0.134	66.650	484.739	1403.154	4170.183	9154.740	*13686.514	*18316.869	*22093.835	*25019.921 *
-22.5	0.131	65.301	468.997	1340.613	3809.311	8368.270	*12565.319	*16978.564	*20757.979	*23596.551 *
-25.5	0.128	63.775	450.994	1269.681	3402.096	7488.248	*11313.244	*15494.644	*19146.741	*21927.177 *
-29.0	0.124	61.775	427.195	1176.685	2871.311	6351.450	*9700.283	*13600.844	*16973.859	*19922.694 *
-33.0	0.119	59.210	396.425	1057.486	2516.280	5085.137	*8020.546	*11275.896	*14314.725	*16898.692 *
-37.5	0.112	55.984	357.443	926.474	2109.377	4035.869	5989.651	*8659.954	*11220.290	*13466.624 *
-42.5	0.105	52.000	309.010	808.200	1613.158	2795.005	4275.180	*5951.518	*7935.872	*9578.107 *
-47.5	0.096	47.627	255.572	679.772	1325.582	2138.627	2785.780	3995.683	5010.255	*6247.105 *
-55.0	0.081	40.409	198.616	492.953	899.772	1344.795	1639.303	2124.711	2512.807	2845.116
-65.0	0.060	29.752	116.430	272.309	498.802	692.561	841.354	991.122	1140.113	1266.755
-75.0	0.037	18.212	53.490	116.606	200.953	257.247	309.922	356.812	393.835	422.644
-85.0	0.012	6.131	17.991	29.025	39.076	45.892	49.985	53.681	56.647	59.376
-90.0	0.000	0.012	0.036	0.058	0.078	0.092	0.100	0.107	0.113	0.119

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0.125	0.128	0.130	0.132	0.133	0.134	0.135	0.136	0.136	0.137
85.0	62.568	63.954	65.160	66.026	66.627	67.145	68.849	68.781	68.714	68.646
75.0	456.718	472.928	486.706	496.322	502.793	508.179	512.484	515.713	517.872	522.192
65.0	1385.786	1442.305	1491.677	1527.030	1551.337	1571.974	1588.820	1601.759	1610.683	1615.489
55.0	3380.800	3772.118	4123.905	4384.550	4570.781	4736.465	4880.965	5003.677	5104.058	5181.610 *
47.5	7369.686	8234.819	9051.103	9708.311	10238.938	10710.759	1122.047	11471.260	11757.049	11978.306 *
42.5	11203.363	12444.100	13589.232	14457.195	15097.369	15672.816	16173.404	16597.078	16942.100	17207.105 *
37.5	15424.245	16928.362	18288.361	19335.437	20083.122	20681.695	21204.852	21649.368	22012.366	22291.422 *
33.0	19202.585	20816.290	22200.693	23247.746	24021.334	24714.987	25231.789	25636.998	25971.088	26230.817 *
29.0	22127.967	23821.699	25265.824	26175.031	26841.538	27458.702	28006.345	28478.983	28866.580	29166.865 *
25.5	24451.927	25984.847	27316.392	28332.022	29058.663	29724.968	30334.124	30864.960	31310.252	31663.203 *
22.5	25987.799	27539.090	28975.150	30054.830	30853.156	31584.505	32251.795	32749.846	33173.136	33514.013 *
19.5	27318.382	28971.806	30490.955	31678.001	32484.549	33150.923	33759.318	34326.916	34815.946	35214.379 *
17.0	28330.168	30036.646	31660.291	32781.189	33562.020	34297.074	34976.338	35461.840	35881.116	36230.278 *
15.0	29035.936	30815.024	32439.027	33528.647	34363.811	35119.116	35667.417	36164.826	36622.401	37013.930 *
13.0	29650.642	31510.793	33306.019	34210.401	35063.162	35697.209	36293.794	36842.274	37336.056	37780.700 *
11.0	30187.583	32099.801	33860.176	34815.622	35542.306	36221.898	36869.689	37477.561	38026.166	38520.622 *
9.0	30640.441	32497.596	34205.553	35209.305	35956.527	36680.603	37385.218	38056.687	38673.743	39217.105 *
7.0	31003.388	32816.601	34420.153	35504.227	36285.543	37057.676	37822.042	38556.318	39242.971	39808.644 *
5.0	31271.431	33050.952	34690.001	35718.990	36526.521	37334.872	38142.934	38944.884	39631.592	40284.430 *
3.0	31440.746	33195.955	34816.896	35846.151	36669.576	37497.505	38328.380	39129.361	39848.657	40581.524 *
1.0	31508.982	33248.521	34848.191	35880.701	36720.881	37536.049	38367.070	39140.989	39855.127	40620.703 *
0.0	31504.914	33239.699	34833.304	35862.580	36686.000	37507.861	38329.722	39086.842	39779.222	40471.602 *
-1.0	31481.214	33214.944	34807.067	35830.219	36660.647	37461.248	38272.360	39018.417	39690.202	40380.184 *
-3.0	31358.090	33095.974	34694.940	35696.831	36492.068	37278.715	38053.281	38776.456	39383.652	39935.233 *
-5.0	31135.791	32886.745	34491.067	35476.884	36240.307	36987.526	37711.498	38400.100	38937.272	39378.662 *
-7.0	30817.800	32591.597	34149.016	35178.469	35903.276	36603.618	37266.596	37871.463	38391.147	38749.435 *
-9.0	30408.888	32216.216	33717.670	34811.008	35493.196	36138.671	36739.039	37276.875	37730.471	38123.391 *
-11.0	29914.778	31767.157	33206.366	34358.044	35016.764	35612.897	36159.451	36640.279	37037.007	37367.109 *
-13.0	29341.798	31136.027	32619.239	33705.121	34492.371	35042.099	35539.615	35972.819	36409.800	36712.526 *
-15.0	28696.552	30411.681	31965.571	32988.381	33758.584	34436.320	34890.414	35281.448	35679.992	36051.560 *
-17.0	27974.540	29615.963	31166.066	32217.765	32934.958	33596.833	34193.049	34659.830	35264.770	35827.221 *
-19.5	26964.968	28538.707	29984.831	31101.886	31846.919	32445.766	32979.475	333682.792	334337.622	334920.084 *
-22.5	25645.161	27114.436	28469.635	29483.730	30224.921	30895.179	31629.301	32256.164	32822.924	33320.058 *
-25.5	24130.707	25582.371	26834.001	27782.255	28456.363	29139.982	29851.936	30496.825	31066.508	31552.824 *
-29.0	21855.390	23463.881	24824.117	25671.288	26326.445	27021.965	27659.936	28233.827	28730.279	29144.551 *
-33.0	18995.712	20540.671	21846.873	22848.690	23667.090	24414.938	25001.033	25486.126	25906.726	26258.203 *
-37.5	15287.520	16739.835	18045.412	19129.536	19918.385	20559.678	21132.189	21632.112	22055.875	22400.248 *
-42.5	11144.525	12353.046	13503.218	14404.589	15075.284	15685.444	16225.280	16692.197	17083.855	17398.228 *
-47.5	7357.057	8226.903	9077.887	9763.907	10315.728	10812.238	11251.313	11630.968	11949.385	12204.946 *
-55.0	3354.180	3773.144	4155.913	4443.664	4652.194	4840.534	5007.864	5153.392	5276.374	5376.113 *
-65.0	1356.577	1422.416	1482.615	1527.976	1560.833	1590.421	1616.540	1638.994	1657.592	1672.147
-75.0	448.308	467.938	485.332	498.088	507.140	515.157	522.132	528.059	532.934	540.049
-85.0	62.762	65.548	68.211	70.326	71.943	73.490	76.368	77.309	78.250	79.191
-90.0	0.126	0.131	0.137	0.141	0.144	0.147	0.150	0.153	0.155	0.158
Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0.137	0.137	0.137	0.137	0.137	0.136	0.136	0.135	0.134	0.133
85.0	68.579	68.512	68.478	68.462	68.431	68.400	68.368	68.337	68.306	66.520
75.0	520.171	518.151	517.140	517.090	516.989	516.888	510.547	506.379	501.205	495.032
65.0	1621.005	1612.923	1608.880	1609.148	1609.683	1596.744	1584.614	1568.539	1548.668	1525.158

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

55.0	5262.833	*5269.563	*5272.930	*5262.044	*5240.284	*5144.430	*5052.565	*4938.425	*4802.655	*4645.944	*
47.5	12134.153	*2223.996	*2244.051	*2205.410	*2078.787	*1887.329	*1632.392	*1315.586	*10938.720	*10503.796	*
42.5	17391.119	*7493.616	*7514.250	*7463.492	*7301.272	*7059.103	*6738.522	*6341.468	*5870.205	*5327.292	*
37.5	22484.602	*2590.556	*22610.574	*22547.429	*22355.873	*22079.030	*21719.488	*21280.332	*20765.039	*20177.405	*
33.0	26413.473	*26516.976	*26538.589	*26460.057	*26243.660	*25950.912	*25585.650	*25152.187	*24655.163	*24055.334	*
29.0	29380.843	*29505.256	*29533.140	*29433.386	*29166.338	*28812.992	*28378.609	*27865.519	*27279.214	*26629.972	*
25.5	31917.816	*32069.288	*32105.254	*31982.697	*31659.669	*31238.271	*30726.154	*30131.705	*29463.577	*28730.295	*
22.5	33765.519	*33921.930	*33963.151	*33820.108	*33462.187	*33015.390	*32489.019	*31892.873	*31236.607	*30482.943	*
19.5	35465.425	*35620.359	*35666.997	*35498.933	*35104.291	*34622.718	*34008.505	*33322.006	*32588.640	*32050.735	*
17.0	36499.298	*36679.381	*36733.971	*36536.794	*36076.259	*35540.255	*34944.437	*34303.250	*33824.382	*33225.816	*
15.0	37318.774	*37538.564	*37587.551	*37373.881	*36831.738	*36223.677	*35557.150	*34942.647	*34547.432	*34089.081	*
13.0	38132.433	*38373.366	*38447.631	*38179.303	*37560.937	*36861.174	*36110.108	*35660.029	*35220.602	*34717.280	*
11.0	38931.241	*39218.048	*39307.710	*38983.841	*38245.970	*37430.466	*36761.008	*36350.596	*35861.555	*35307.911	*
9.0	39684.577	*40023.108	*40135.550	*39735.448	*38846.163	*37896.022	*37473.610	*37002.124	*36455.725	*35850.574	*
7.0	40336.501	*40777.512	*40931.150	*40412.464	*39291.845	*38557.029	*38141.998	*37600.040	*36988.086	*36341.893	*
5.0	40901.481	*41538.548	*41726.750	*41036.017	*39585.135	*39223.648	*38717.700	*38129.075	*37475.418	*36779.210	*
3.0	41117.448	*41452.384	*41639.130	*40934.776	*40242.462	*39811.447	*39229.743	*38594.917	*37882.510	*37128.736	*
1.0	41006.393	*41377.708	*41551.509	*41085.789	*40723.616	*40349.854	*39627.485	*38925.863	*38172.683	*37373.464	*
0.0	40886.041	*41300.480	*41507.699	*41302.040	*40890.721	*40479.402	*39757.380	*39035.359	*38266.928	*37452.089	*
-1.0	40758.053	*41110.149	*41558.919	*41384.505	*40997.951	*40615.548	*39825.851	*39085.890	*38306.149	*37486.931	*
-3.0	40315.542	*40974.383	*41661.360	*41490.473	*41137.737	*40550.341	*39801.679	*39063.932	*38275.141	*37464.425	*
-5.0	39688.870	*41088.772	*41763.801	*41589.829	*40979.175	*40306.631	*39600.040	*38876.316	*38106.562	*37324.175	*
-7.0	39429.546	*40500.089	*40998.360	*40852.228	*40428.493	*39881.927	*39262.492	*38553.840	*37821.285	*37077.839	*
-9.0	39016.076	*39854.780	*40232.919	*40123.489	*39793.795	*39335.159	*38752.297	*38112.415	*37436.521	*36725.175	*
-11.0	38441.160	*39135.401	*39439.140	*39348.641	*39062.904	*38653.471	*38147.180	*37577.669	*36956.519	*36287.144	*
-13.0	37782.731	*38365.087	*38617.021	*38538.209	*38290.945	*37934.145	*37483.368	*36971.649	*36402.144	*35783.766	*
-15.0	37079.760	*37594.273	*37794.902	*37738.057	*37503.929	*37186.795	*36785.746	*36317.588	*35798.303	*35227.710	*
-17.0	36332.352	*36763.896	*36947.041	*36886.175	*36694.386	*36415.316	*36058.242	*35633.480	*35132.258	*34438.211	*
-19.5	35369.899	*35734.034	*35887.215	*35835.725	*35671.752	*35413.638	*35014.070	*34529.406	*33970.762	*33342.818	*
-22.5	33737.930	*34067.423	*34196.500	*34153.958	*33996.063	*33745.503	*33408.932	*32994.035	*32508.967	*31844.867	*
-25.5	31947.988	*32245.033	*32354.920	*32320.462	*32173.155	*31924.438	*31579.318	*31143.938	*30625.184	*30030.317	*
-29.0	29477.698	*29724.946	*29815.109	*29789.654	*29671.067	*29464.352	*29172.922	*28792.168	*28323.216	*27779.995	*
-33.0	26536.266	*26737.113	*26807.559	*26789.496	*26692.618	*26516.162	*26262.451	*25934.426	*25535.543	*25029.581	*
-37.5	22662.405	*22840.029	*22896.575	*22881.849	*22787.442	*22607.248	*22342.782	*21996.127	*21569.836	*21066.886	*
-42.5	17633.631	*17788.794	*17836.000	*17822.199	*17733.549	*17563.768	*17313.554	*16984.045	*16576.761	*16093.578	*
-47.5	12396.248	*12522.143	*12560.275	*12548.169	*12474.079	*12333.839	*12128.111	*11857.834	*11524.181	*11128.558	*
-55.0	5480.078	*5506.511	*5519.735	*5522.964	*5529.419	*5457.421	*5388.916	*5295.891	*5178.701	*5037.759	*
-65.0	1687.610	1688.987	1689.675	1694.325	1703.622	1698.722	1694.640	1686.362	1674.027	1657.788	
-75.0	540.703	541.357	541.684	543.177	546.164	549.150	545.564	544.203	541.719	538.101	
-85.0	80.132	81.073	81.543	81.545	81.548	81.552	81.555	81.559	81.562	79.470	
-90.0	0.160	0.162	0.163	0.163	0.163	0.163	0.162	0.161	0.160	0.159	

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0.132	0.131	0.129	0.126	0.123	0.119	0.114	0.107	0.099	0.090
85.0	65.912	65.224	64.253	62.928	61.433	59.478	56.765	53.348	49.215	44.766
75.0	487.868	479.722	468.178	452.360	434.446	410.969	382.586	346.162	300.198	248.713
65.0	1498.168	1467.865	1425.579	1368.818	1306.041	1218.732	1094.874	951.215	808.261	665.133
55.0	4469.030	*4272.679	*4001.124	3639.076	3241.447	2749.292	2424.091	2045.686	1575.319	1290.894
47.5	10012.961	*9468.491	*8795.963	*7965.951	*7108.821	*6016.373	*4807.226	*3831.817	2673.397	2048.727
42.5	14715.521	*14045.910	*13152.405	*12011.641	*10808.997	*9254.018	*7640.875	*5701.891	*4086.206	2674.453
37.5	19521.441	*18728.242	*17642.212	*16331.608	*14876.730	*13064.086	*10840.147	*8319.933	*5721.419	*3855.921
33.0	23288.502	*22452.179	*21431.491	*20098.192	*18536.751	*16441.495	*13866.213	*10865.808	*7677.704	*4878.839
29.0	25924.300	*25266.843	*24419.779	*23041.860	*21400.913	*19422.347	*16483.299	*13134.912	*9334.587	*6134.638
25.5	28035.172	*27359.090	*26413.415	*25161.803	*23699.717	*21447.262	*18621.362	*15001.767	*10960.034	*7274.143

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

22.5	29809.24029063.67428042.83126685.44725213.45523137.88420226.77716515.93612228.2738165.883 *
19.5	31442.32230688.39329564.33928107.80526528.60524574.99221629.54017889.12013370.7948972.405 *
17.0	32554.92731822.45530751.41229190.19627536.75425491.98122687.21518915.71314219.8989618.675 *
15.0	33402.40032615.72931563.55629990.19128278.80826171.33223451.67719651.44614844.08110137.778 *
13.0	34162.37133358.24832239.65630735.09328964.21326792.72824138.18420245.26915406.31410599.494 *
11.0	34705.75534040.00032865.18631411.48329578.37927350.44024655.97920765.76815897.55811002.186 *
9.0	35198.70334530.55833435.42031916.27330114.63727838.64125068.38921209.88016315.50611344.402 *
7.0	35659.45634947.86433923.62532345.53130566.55228242.36425413.10521574.89416658.13511624.885 *
5.0	36050.69235297.29734320.38032692.66730928.25328557.68425686.36921858.54216923.75411842.615 *
3.0	36358.11835569.23834573.73332952.01031194.77528789.80425884.86122059.04017111.03511996.800 *
1.0	36583.39435755.27934734.50433119.28531362.40628936.25826005.81422175.17817219.07012086.926 *
0.0	36637.25035814.08934785.13833167.54931408.39028976.86826036.52922201.40017243.20012107.875 *
-1.0	36682.06235839.88734805.55633181.05831417.29228983.98326041.68822202.23417240.07112102.834 *
-3.0	36649.81735820.16534784.97233136.65431358.85328932.60025991.70022140.00817173.83912044.420 *
-5.0	36523.66535706.29534667.02132998.21431199.82828794.42625861.86121992.82317027.77411921.630 *
-7.0	36296.37535502.48834402.10232768.88330942.91928571.24025653.49321761.51116802.40511734.775 *
-9.0	35977.91735215.67234039.76732453.44230592.24828252.73125368.61221447.50216498.70411484.450 *
-11.0	35584.80134833.90233588.71932057.85630153.03627837.33225009.84721052.74816118.03311171.493 *
-13.0	35127.02534250.43733062.57831482.37229631.27127342.24824542.01720579.68315662.11710796.986 *
-15.0	34453.54033595.23832469.23030818.17829033.36426772.49523908.53820031.14015133.00410362.231 *
-17.0	33683.86232879.06831728.04230081.98928350.44826133.32723193.77719334.46214539.9179868.725 *
-19.5	32653.83831824.14330613.03829069.11127362.92925246.96922193.35718351.20213727.7889249.424 *
-22.5	31087.94530266.49529160.95127673.68626059.99423852.98720850.65817021.89412624.9268468.038 *
-25.5	29358.24028602.60527537.85326145.81224557.14522210.24619282.73115542.58411390.9877595.070 *
-29.0	27168.17526476.78025517.77824031.54222301.94420230.41317166.43313701.6149798.656 *469.124 *
-33.0	24357.78523608.62422541.71121117.96919461.21017250.95314556.79411443.8318144.408 *5211.903 *
-37.5	20490.58319761.06118734.97717323.52515772.56813849.39411511.4788877.751 *6157.617 *4151.873
-42.5	15536.67814914.86114066.06612912.74111619.9729968.812 *8246.016 *6194.396 *4445.194 *2901.183
-47.5	10672.56710157.9879513.301 *8703.613 *7787.368 *6609.604 *5304.177 *4212.543 *2930.941 2223.063
-55.0	4873.542 *4686.577 *4421.767 *4059.999 3650.782 3090.235 2705.730 2263.113 1723.028 1406.143
-65.0	1637.800 1614.223 1579.954 1532.232 1477.855 1389.543 1246.106 1076.882 902.662 733.671
-75.0	533.341 527.429 518.415 505.204 489.380 467.626 432.933 388.708 333.663 272.722
-85.0	78.783 78.000 76.887 75.358 73.622 71.342 67.123 61.728 55.540 49.222
-90.0	0.158 0.156 0.154 0.151 0.147 0.143 0.134 0.124 0.111 0.099

Vert. Angles	Horizontal Angles				
	55.0	65.0	75.0	85.0	90.0
90.0	0.075	0.057	0.038	0.014	0.000
85.0	37.586	28.611	18.868	6.807	0.014
75.0	192.943	114.771	56.244	20.237	0.042
65.0	477.369	267.906	120.906	33.114	0.068
55.0	865.609	482.934	205.106	45.081	0.093
47.5	1277.831	667.921	264.043	53.252	0.109
42.5	1559.392	796.265	317.191	58.239	0.119
37.5	2047.144	915.203	365.651	62.814	0.128
33.0	2451.966	1047.414	404.928	66.549	0.136
29.0	2808.641	1168.863	436.170	69.544	0.141
25.5	3337.034	1264.814	460.536	71.901	0.146
22.5	3747.228	1338.944	479.135	73.716	0.149
19.5	4115.430	1405.228	495.565	75.337	0.152
17.0	4388.486	*1454.239	507.566	76.536	0.155
15.0	4583.877	*1489.245	516.042	77.392	0.156
13.0	4758.082	*1520.425	523.507	78.157	0.158
11.0	4910.504	*1547.699	529.951	80.308	0.159
9.0	5040.584	*1570.995	535.368	80.398	0.160

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

7.0	5147.813	*1590.248	539.751	80.488	0.160
5.0	5231.736	*1605.398	546.354	80.579	0.161
3.0	5319.307	*1621.159	546.571	80.671	0.161
1.0	5331.197	*1623.719	546.788	80.808	0.162
0.0	5337.150	*1625.000	546.897	80.808	0.162
-1.0	5340.380	*1625.478	547.197	80.767	0.162
-3.0	5346.831	*1626.433	547.797	80.685	0.161
-5.0	5276.927	*1614.112	548.395	80.604	0.161
-7.0	5210.114	*1602.338	542.561	80.523	0.160
-9.0	5119.042	*1586.355	538.938	80.442	0.160
-11.0	5003.917	*1566.190	534.249	80.361	0.159
-13.0	4865.007	*1541.883	528.494	78.219	0.158
-15.0	4702.653	*1513.478	521.674	77.463	0.156
-17.0	4517.250	*1481.030	513.791	76.614	0.155
-19.5	4253.785	*1434.876	502.451	75.426	0.152
-22.5	3892.452	1371.467	486.681	73.816	0.149
-25.5	3483.668	1299.547	468.584	72.010	0.146
-29.0	2949.618	1205.269	444.583	69.663	0.141
-33.0	2587.445	1084.459	413.444	66.677	0.136
-37.5	2168.802	951.953	373.861	62.950	0.128
-42.5	1655.200	832.477	324.517	58.379	0.119
-47.5	1364.216	702.079	269.912	53.391	0.109
-55.0	932.829	510.705	209.784	45.213	0.093
-65.0	519.071	280.952	123.260	33.221	0.068
-75.0	206.814	118.954	56.869	20.307	0.042
-85.0	39.664	29.201	19.085	6.832	0.014
-90.0	0.079	0.058	0.038	0.014	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 31574.44

Total Field Lumens (one side of beam only) = 29693.64

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.12
75	0.89	1.79	1.79	1.77	1.75	1.73	1.70	1.67	1.63	1.98
65	3.24	6.49	6.47	6.42	6.35	6.26	6.15	6.01	5.86	7.09
55	10.48	20.92	20.72	20.36	19.96	19.45	18.85	18.15	17.38	20.52
47.5	19.99 *	39.77 *	39.26 *	38.48 *	37.48 *	36.26 *	34.83 *	33.19 *	31.36 *	36.48 *
42.5	22.64 *	45.01 *	44.45 *	43.62 *	42.53 *	41.18 *	39.60 *	37.79 *	35.77 *	41.70 *
37.5	30.53 *	60.74 *	60.08 *	59.09 *	57.79 *	56.20 *	54.33 *	52.19 *	49.77 *	58.41 *
33	33.65 *	66.99 *	66.33 *	65.38 *	64.14 *	62.63 *	60.83 *	58.70 *	56.22 *	66.44 *
29	34.12 *	67.92 *	67.26 *	66.33 *	65.13 *	63.69 *	61.98 *	59.98 *	57.75 *	68.87 *
25.5	32.82 *	65.29 *	64.61 *	63.66 *	62.45 *	61.01 *	59.34 *	57.52 *	55.59 *	66.62 *
22.5	30.15 *	59.95 *	59.31 *	58.42 *	57.31 *	56.00 *	54.48 *	52.82 *	51.07 *	61.17 *
19.5	31.77 *	63.16 *	62.48 *	61.54 *	60.35 *	58.97 *	57.45 *	55.83 *	54.04 *	64.70 *
17	27.52 *	54.70 *	54.08 *	53.25 *	52.23 *	51.10 *	49.88 *	48.54 *	47.03 *	56.37 *
15	22.60 *	44.88 *	44.32 *	43.62 *	42.81 *	41.98 *	41.08 *	39.99 *	38.74 *	46.49 *
13	23.11 *	45.86 *	45.23 *	44.46 *	43.62 *	42.80 *	41.91 *	40.88 *	39.63 *	47.55 *
11	23.63 *	46.82 *	46.11 *	45.26 *	44.43 *	43.58 *	42.63 *	41.59 *	40.39 *	48.49 *
9	24.13 *	47.74 *	46.91 *	46.05 *	45.22 *	44.32 *	43.30 *	42.19 *	40.99 *	49.28 *
7	24.60 *	48.57 *	47.65 *	46.80 *	45.96 *	44.98 *	43.88 *	42.71 *	41.47 *	49.90 *
5	25.06 *	49.30 *	48.31 *	47.50 *	46.60 *	45.54 *	44.39 *	43.16 *	41.87 *	50.41 *
3	25.26 *	49.74 *	48.88 *	48.06 *	47.09 *	45.99 *	44.78 *	43.50 *	42.17 *	50.77 *
1	25.22 *	49.92 *	49.29 *	48.46 *	47.41 *	46.28 *	45.03 *	43.72 *	42.37 *	50.99 *
0	12.61 *	25.01 *	24.72 *	24.31 *	23.77 *	23.20 *	22.57 *	21.91 *	21.22 *	25.54 *
-1	12.61 *	25.01 *	24.73 *	24.31 *	23.78 *	23.20 *	22.58 *	21.91 *	21.23 *	25.54 *
	25.24 *	49.95 *	49.33 *	48.50 *	47.45 *	46.32 *	45.08 *	43.77 *	42.41 *	51.03 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

LUMENS TABULATION - (Cont.)

-3	25.28 *	49.81 *	48.97 *	48.15 *	47.18 *	46.09 *	44.87 *	43.59 *	42.25 *	50.86 *
-5	25.10 *	49.40 *	48.44 *	47.64 *	46.74 *	45.69 *	44.53 *	43.29 *	41.99 *	50.55 *
-7	24.66 *	48.71 *	47.82 *	46.99 *	46.14 *	45.16 *	44.07 *	42.89 *	41.63 *	50.08 *
-9	24.20 *	47.91 *	47.11 *	46.27 *	45.44 *	44.53 *	43.51 *	42.39 *	41.18 *	49.50 *
-11	23.72 *	47.03 *	46.33 *	45.51 *	44.68 *	43.83 *	42.87 *	41.81 *	40.61 *	48.75 *
-13	23.23 *	46.10 *	45.49 *	44.73 *	43.90 *	43.07 *	42.18 *	41.13 *	39.88 *	47.85 *
-15	22.73 *	45.14 *	44.60 *	43.91 *	43.11 *	42.28 *	41.37 *	40.27 *	39.02 *	46.83 *
-17	27.69 *	55.04 *	54.44 *	53.63 *	52.63 *	51.52 *	50.30 *	48.94 *	47.42 *	56.84 *
-19.5	31.98 *	63.60 *	62.94 *	62.02 *	60.87 *	59.52 *	58.01 *	56.38 *	54.57 *	65.33 *
-22.5	30.37 *	60.42 *	59.80 *	58.94 *	57.86 *	56.58 *	55.09 *	53.43 *	51.66 *	61.87 *
-25.5	33.11 *	65.89 *	65.23 *	64.31 *	63.14 *	61.72 *	60.07 *	58.26 *	56.32 *	67.47 *
-29	34.46 *	68.62 *	67.99 *	67.09 *	65.91 *	64.48 *	62.80 *	60.81 *	58.60 *	69.91 *
-33	34.04 *	67.78 *	67.16 *	66.23 *	65.02 *	63.54 *	61.78 *	59.69 *	57.24 *	67.74 *
-37.5	30.99 *	61.70 *	61.07 *	60.12 *	58.86 *	57.30 *	55.46 *	53.36 *	50.96 *	59.92 *
-42.5	23.13 *	46.01 *	45.48 *	44.67 *	43.60 *	42.27 *	40.71 *	38.91 *	36.91 *	43.12 *
-47.5	20.63 *	41.08 *	40.60 *	39.83 *	38.84 *	37.63 *	36.19 *	34.54 *	32.70 *	38.12 *
-55	10.98	21.93	21.73	21.37	20.96	20.44	19.82	19.10	18.30	21.62
-65	3.40	6.81	6.79	6.73	6.66	6.56	6.45	6.31	6.15	7.44
-75	0.95	1.90	1.90	1.88	1.86	1.84	1.81	1.77	1.73	2.10
-85	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.13
-90										
Total	972.62	1930.65	1906.44	1875.91	1839.26	1796.94	1748.74	1694.79	1635.33	1952.48

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.14	0.13	0.14	0.15	0.16	0.15	0.13	0.15	0.13	0.06
85	2.28	2.16	2.35	2.44	2.41	2.24	1.77	1.91	1.44	0.56
75	8.11	7.64	8.23	8.37	8.00	7.22	5.59	5.81	4.08	1.45
65	22.67	20.39	20.69	20.08	18.74	16.12	11.99	12.09	8.12	2.81
55	39.65 *	34.99 *	34.66 *	32.03	28.20	22.74	15.73	15.05	9.57	3.17

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

LUMENS TABULATION - (Cont.)

47.5	45.45 *	40.25 *	40.06 *	36.93 *	31.47 *	24.39	15.89	13.84	8.31	2.67
42.5	64.19 *	57.40 *	57.92 *	54.29 *	46.45 *	35.62 *	22.62	18.57	10.26	3.12
37.5	73.77 *	66.78 *	68.31 *	64.88 *	56.38 *	43.75 *	27.53 *	21.80	11.22	3.21
33	77.24 *	70.56 *	73.10 *	70.40 *	61.99 *	48.85 *	30.87 *	23.75	11.52	3.18
29	75.17 *	69.28 *	72.48 *	70.62 *	63.06 *	50.37 *	32.35 *	24.88 *	11.55	3.03
25.5	69.14 *	64.09 *	67.50 *	66.41 *	60.07 *	48.66 *	31.68 *	24.49 *	11.16	2.76
22.5	73.06 *	67.73 *	71.75 *	71.20 *	64.99 *	53.25 *	34.97 *	27.11 *	12.19	2.90
19.5	63.65 *	58.96 *	62.56 *	62.44 *	57.50 *	47.54 *	31.43 *	24.43 *	10.87	2.50
17	52.56 *	48.67 *	51.61 *	51.69 *	47.96 *	39.89 *	26.54 *	20.69 *	9.10	2.05
15	53.82 *	49.87 *	52.85 *	53.08 *	49.47 *	41.32 *	27.68 *	21.63 *	9.42	2.10
13	54.92 *	50.95 *	53.96 *	54.27 *	50.71 *	42.54 *	28.69 *	22.46 *	9.71	2.13
11	55.85 *	51.85 *	54.94 *	55.24 *	51.72 *	43.59 *	29.55 *	23.17 *	9.94	2.16
9	56.60 *	52.57 *	55.75 *	56.04 *	52.54 *	44.46 *	30.26 *	23.75 *	10.14	2.19
7	57.21 *	53.15 *	56.40 *	56.66 *	53.19 *	45.14 *	30.82 *	24.21 *	10.30	2.21
5	57.64 *	53.58 *	56.88 *	57.12 *	53.66 *	45.64 *	31.23 *	24.57 *	10.44	2.23
3	57.90 *	53.85 *	57.17 *	57.41 *	53.95 *	45.94 *	31.49 *	24.78 *	10.51	2.23
1	29.00 *	26.98 *	28.65 *	28.77 *	27.03 *	23.03 *	15.79 *	12.42 *	5.26	1.12
0	29.01 *	26.98 *	28.66 *	28.77 *	27.04 *	23.04 *	15.80 *	12.43 *	5.26	1.12
-1	57.95 *	53.89 *	57.23 *	57.46 *	54.00 *	45.98 *	31.52 *	24.81 *	10.52	2.24
-3	57.74 *	53.67 *	56.98 *	57.22 *	53.75 *	45.72 *	31.30 *	24.63 *	10.47	2.23
-5	57.36 *	53.29 *	56.55 *	56.81 *	53.32 *	45.27 *	30.93 *	24.31 *	10.34	2.21
-7	56.80 *	52.75 *	55.96 *	56.23 *	52.72 *	44.63 *	30.40 *	23.88 *	10.20	2.20
-9	56.10 *	52.08 *	55.19 *	55.48 *	51.94 *	43.81 *	29.72 *	23.32 *	10.01	2.17
-11	55.22 *	51.23 *	54.26 *	54.55 *	50.98 *	42.80 *	28.89 *	22.64 *	9.78	2.14
-13	54.16 *	50.20 *	53.19 *	53.40 *	49.78 *	41.63 *	27.92 *	21.84 *	9.51	2.11
-15	52.94 *	49.04 *	51.99 *	52.05 *	48.32 *	40.24 *	26.81 *	20.92 *	9.20	2.07
-17	64.19 *	59.47 *	63.07 *	62.94 *	58.02 *	48.03 *	31.80 *	24.75 *	11.00	2.52
-19.5	73.78 *	68.38 *	72.41 *	71.90 *	65.71 *	53.92 *	35.47 *	27.53 *	12.36	2.92

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

LUMENS TABULATION - (Cont.)

-22.5	69.90 *	64.77 *	68.23 *	67.21 *	60.89 *	49.40 *	32.22 *	24.92 *	11.33	2.79
-25.5	76.11 *	70.14 *	73.44 *	71.66 *	64.10 *	51.31 *	33.02 *	25.39 *	11.75	3.07
-29	78.43 *	71.69 *	74.35 *	71.69 *	63.25 *	49.97 *	31.64 *	24.32 *	11.75	3.23
-33	75.28 *	68.20 *	69.82 *	66.41 *	57.83 *	44.99 *	28.34 *	22.40	11.47	3.26
-37.5	65.94 *	59.03 *	59.64 *	55.98 *	47.98 *	36.85 *	23.38 *	19.14	10.52	3.18
-42.5	47.11 *	41.79 *	41.65 *	38.44 *	32.77 *	25.36 *	16.48	14.30	8.54	2.72
-47.5	41.53 *	36.71 *	36.37 *	33.60 *	29.51	23.70	16.34	15.59	9.85	3.24
-55	23.92	21.52	21.83	21.14	19.67	16.86	12.49	12.55	8.38	2.87
-65	8.52	8.03	8.67	8.82	8.43	7.58	5.85	6.04	4.21	1.48
-75	2.41	2.28	2.48	2.57	2.53	2.35	1.85	1.99	1.48	0.57
-85	0.15	0.14	0.16	0.17	0.17	0.16	0.14	0.16	0.13	0.06
-90										
Total	2194.6	2017.09	2110.07	2075.01	1892.34	1556.06	1036.93	829.40	393.33	100.25

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		2.34
85				
	0.13	0.00		36.41
75				
	0.30	0.01		125.15
65				
	0.52	0.01		341.01
55				
	0.55	0.01		583.44
47.5				
	0.45	0.01		654.00
42.5				
	0.52	0.01		910.11
37.5				
	0.53	0.01		1039.47
33				
	0.51	0.01		1085.02
29				
	0.47	0.01		1062.17
25.5				
	0.42	0.01		987.06
22.5				
	0.44	0.01		1049.88
19.5				
	0.38	0.01		916.96
17				
	0.31	0.00		757.59

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

LUMENS TABULATION - (Cont.)

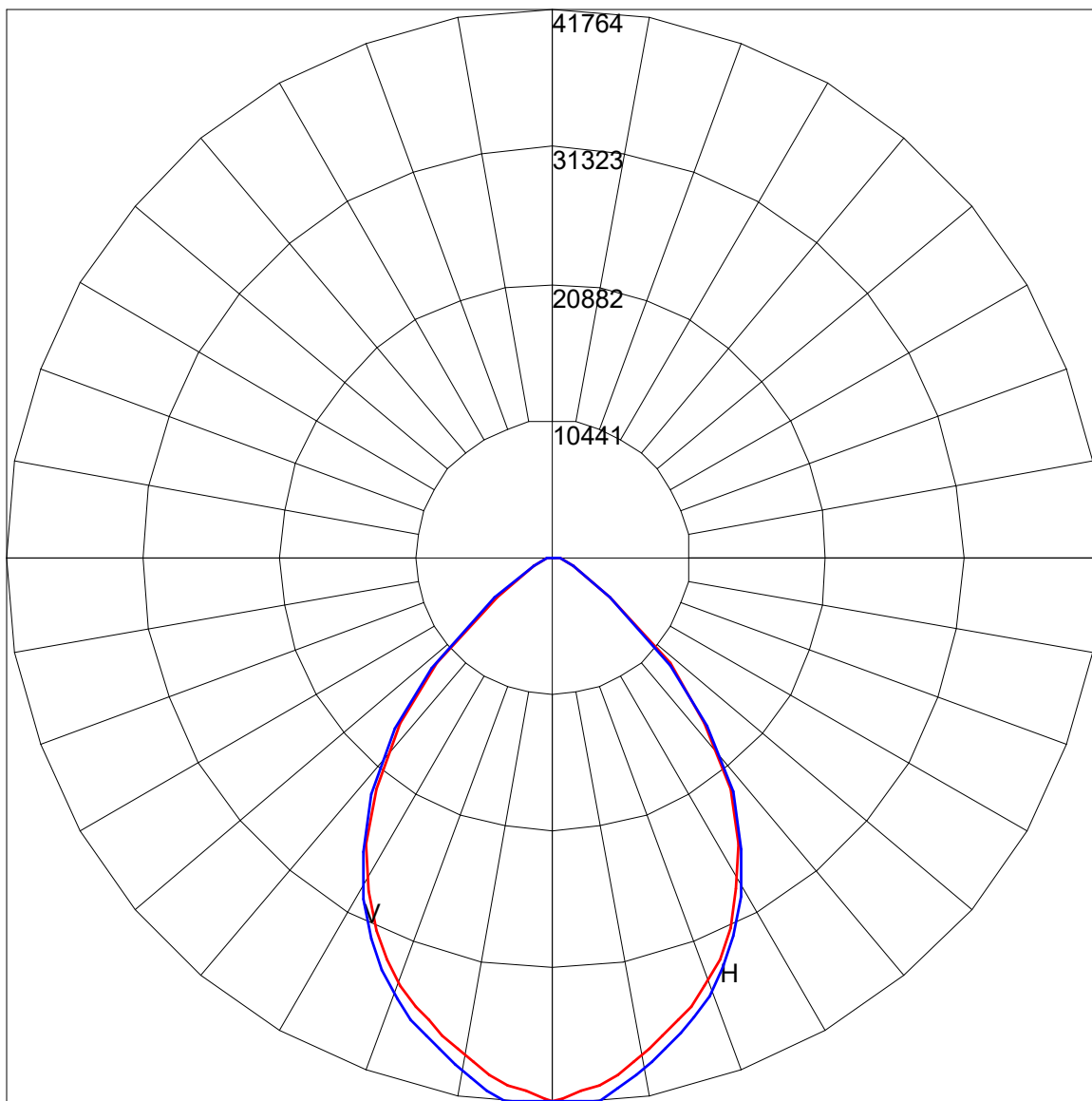
15	0.31	0.00	776.61
13	0.31	0.00	793.58
11	0.32	0.01	808.44
9	0.32	0.01	821.17
7	0.32	0.01	831.76
5	0.32	0.01	839.55
3	0.32	0.01	844.25
1	0.16	0.00	423.07
0	0.16	0.00	423.16
-1	0.32	0.01	845.01
-3	0.33	0.01	841.10
-5	0.32	0.01	834.08
-7	0.32	0.01	824.24
-9	0.32	0.01	812.18
-11	0.32	0.00	797.96
-13	0.31	0.00	781.61
-15	0.31	0.00	763.16
-17	0.38	0.01	924.63
-19.5	0.44	0.01	1060.03
-22.5	0.43	0.01	998.12
-25.5	0.48	0.01	1076.00
-29	0.51	0.01	1101.54
-33	0.53	0.01	1058.76
-37.5	0.53	0.01	931.91
-42.5	0.45	0.01	674.44
-47.5	0.55	0.01	607.19
-55	0.53	0.01	358.01
-65	0.30	0.01	131.26

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

LUMENS TABULATION - (Cont.)

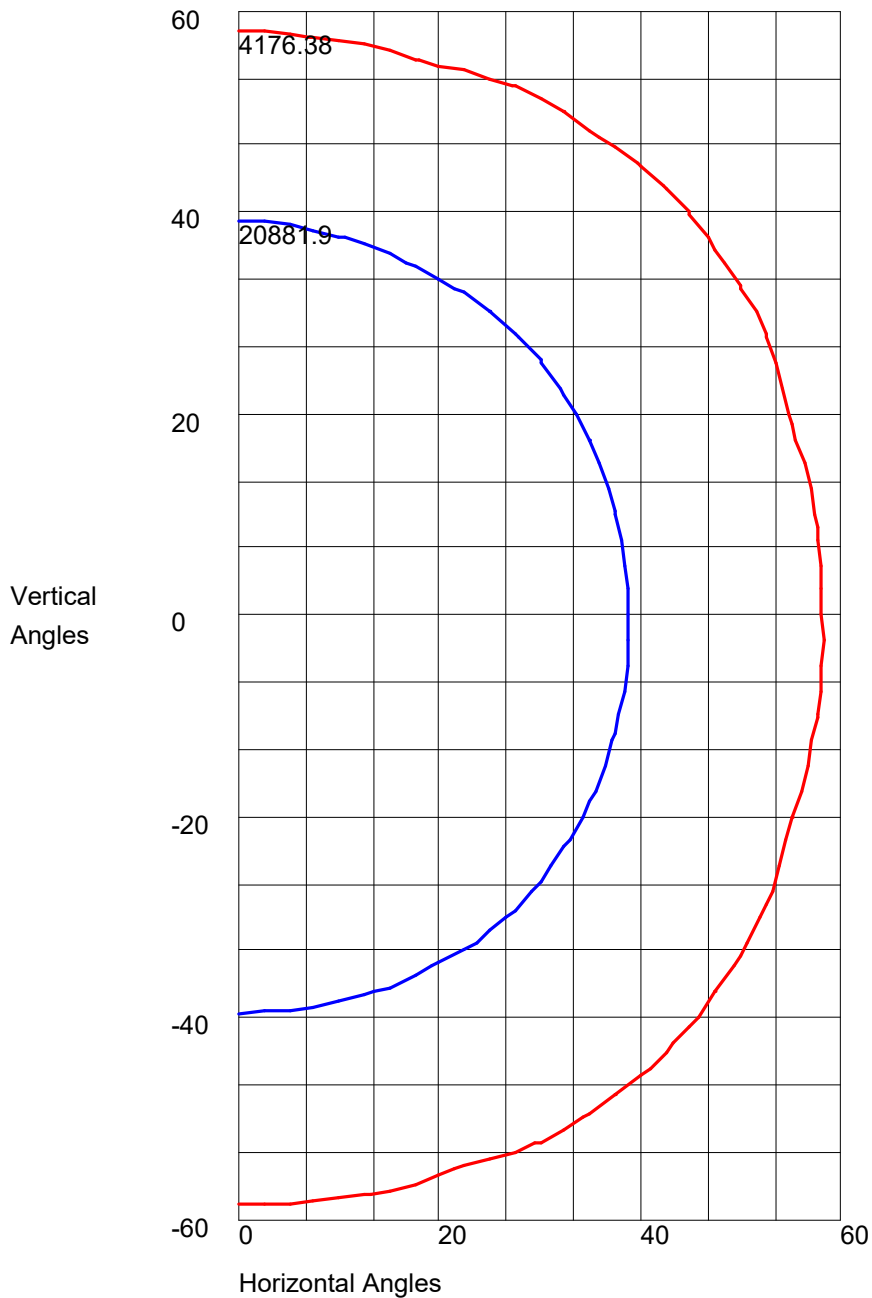
-75	0.13	0.00	38.40
-85	0.02	0.00	2.59
-90			
Total	15.91	0.29	31574.42

AXIAL CANDELA DISPLAY



Maximum Candela = 41763.801 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 41763.801 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 20881.9005
10% Maximum Candela = 4176.3801