



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194006
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-10SP
[LUMINAIRE] 100W 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	111182.838
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	13500 (1 lamp)
Total Lamp Lumens	13500
Beam Lumens	4845
Beam Efficiency	36 %
Field Lumens	10211
Field Efficiency	76 %
Spill Lumens	3387
Luminaire Lumens	13598
Total Efficiency	101 %
Total Luminaire Watts	100
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	58.725
47.5	.024	47.5	262.167
42.5	124.527	42.5	594.205
37.5	751.672	37.5	904.521
33	1432.87	33	1377.255
29	2515.23	29	2294.402
25.5	3914.435	25.5	3470.034
22.5	6240.993	22.5	4774.385
19.5	8764.939	19.5	7156.008
17	12459.395	17	11031.757
15	16402.819	15	15330.648
13	23450.682	13	21978.745
11	34982.427	11	31849.262
9	50717.32	9	45227.036
7	69717.386	7	63244.658
5	87570.586	5	82995.79
3	101844.45	3	99142.244
1	110450.658	1	108851.146
0	110976.97	0	110976.97
-1	108521.7	-1	111182.838
-3	95637.419	-3	104578.692
-5	78323.987	-5	91185.937
-7	59680.979	-7	71151.816
-9	43022.994	-9	48717.125
-11	28447.842	-11	32429.289
-13	18760.619	-13	22935.958
-15	13237.579	-15	16046.534
-17	9700.481	-17	11564.244
-19.5	6839.262	-19.5	7617.899
-22.5	4682.517	-22.5	4398.146
-25.5	3149.783	-25.5	2676.245
-29	2094.75	-29	1464.719
-33	1307.457	-33	696.524
-37.5	831.499	-37.5	214.076
-42.5	423.257	-42.5	1.179
-47.5	77.12	-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 = 111182.838

Beam Edge = 55591.419 Cd (50% of Max.)

Field Edge = 11118.2838 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	0.000	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.304
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	6.925	25.391
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.056	9.882	46.845	132.619
37.5	0.000	0.000	0.000	0.000	0.000	0.012	5.974	58.507	173.237	272.938
33.0	0.000	0.000	0.000	0.000	0.000	0.507	27.720	151.215	277.239	474.674
29.0	0.000	0.000	0.000	0.000	0.000	2.123	71.365	231.850	464.643	661.935
25.5	0.000	0.000	0.000	0.000	0.000	9.208	122.678	327.877	613.252	837.554
22.5	0.000	0.000	0.000	0.000	0.000	22.752	168.727	447.740	730.062	966.179
19.5	0.000	0.000	0.000	0.000	0.000	35.284	205.941	546.244	825.388	1128.851
17.0	0.000	0.000	0.000	0.000	0.000	44.867	250.689	619.943	855.886	1362.714
15.0	0.000	0.000	0.000	0.000	0.000	53.042	291.026	667.491	885.619	1530.908
13.0	0.000	0.000	0.000	0.000	0.000	61.473	335.082	705.970	987.147	1658.838
11.0	0.000	0.000	0.000	0.000	0.002	70.621	363.302	738.408	1098.273	1752.895
9.0	0.000	0.000	0.000	0.000	0.004	76.549	390.776	765.994	1203.766	1861.964
7.0	0.000	0.000	0.000	0.000	0.004	80.483	410.614	794.300	1261.776	1960.208
5.0	0.000	0.000	0.000	0.000	0.003	82.909	420.657	807.599	1301.583	2035.982
3.0	0.000	0.000	0.000	0.000	0.002	82.659	425.306	821.419	1316.807	2082.144
1.0	0.000	0.000	0.000	0.000	0.001	79.665	425.055	829.940	1314.892	2101.928
0.0	0.000	0.000	0.000	0.000	0.000	77.120	423.257	831.499	1307.457	2094.750
-1.0	0.000	0.000	0.000	0.000	0.000	74.005	413.641	821.345	1297.957	2075.310
-3.0	0.000	0.000	0.000	0.000	0.000	65.921	391.660	793.844	1269.364	2005.414
-5.0	0.000	0.000	0.000	0.000	0.000	55.809	366.545	755.724	1232.395	1917.292
-7.0	0.000	0.000	0.000	0.000	0.000	44.201	338.939	711.916	1185.265	1812.864
-9.0	0.000	0.000	0.000	0.000	0.000	33.485	302.789	648.450	1133.762	1688.854
-11.0	0.000	0.000	0.000	0.000	0.000	24.281	261.444	579.843	1064.839	1544.110
-13.0	0.000	0.000	0.000	0.000	0.000	15.465	221.334	507.769	992.109	1399.831
-15.0	0.000	0.000	0.000	0.000	0.000	9.136	165.981	429.813	899.327	1253.816
-17.0	0.000	0.000	0.000	0.000	0.000	4.796	115.588	347.046	776.837	1121.895
-19.5	0.000	0.000	0.000	0.000	0.000	1.667	60.126	262.381	605.664	983.567
-22.5	0.000	0.000	0.000	0.000	0.000	0.233	14.741	193.753	413.393	786.068
-25.5	0.000	0.000	0.000	0.000	0.000	0.007	2.138	99.845	240.793	518.253
-29.0	0.000	0.000	0.000	0.000	0.000	0.000	0.051	25.511	116.132	259.741
-33.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.029	19.082	56.264
-37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.198	0.405
-42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	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	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
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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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	0.000	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	1.828	4.461	9.363	14.467	19.515	24.829	30.366	36.484	42.529	48.200
47.5	50.693	91.240	144.259	189.517	213.223	231.274	245.183	253.983	259.489	263.915
42.5	219.276	287.733	332.539	383.606	428.434	468.904	499.616	531.175	556.746	575.041
37.5	378.110	514.296	628.510	702.225	746.362	781.210	809.798	840.134	868.413	885.714
33.0	630.437	744.788	879.161	993.372	1075.131	1129.658	1161.967	1195.275	1249.959	1305.108
29.0	849.534	1053.899	1180.693	1333.975	1497.592	1667.831	1832.966	1970.103	2087.591	2182.228
25.5	1074.587	1318.446	1627.773	1895.269	2128.606	2380.075	2649.662	2893.229	3067.096	3219.877
22.5	1315.165	1670.968	2049.546	2432.048	2812.471	3157.917	3454.881	3709.455	4071.797	4380.122
19.5	1631.384	2049.299	2574.472	3206.971	3725.260	4212.629	4794.416	5416.545	6029.223	6530.019
17.0	1869.103	2413.930	3169.378	4008.832	4694.488	5488.406	6425.560	7529.005	8537.321	9481.094
15.0	2093.402	2728.150	3687.547	4688.598	5664.473	6754.682	8199.789	9778.757	11363.636	12949.113 *
13.0	2324.308	3030.512	4196.318	5488.561	6720.903	8403.460	10545.724	12734.327	15368.508	18209.895 *
11.0	2530.905	3361.401	4809.540	6334.178	8097.929	10442.319	13093.321	16617.680	20702.345	24866.082 *
9.0	2694.933	3691.400	5418.610	7325.620	9556.970	12308.419	16273.209	21362.842	27788.801	34304.894 *
7.0	2835.220	4038.235	5943.905	8263.981	10812.712	14425.671	19954.084	27481.809	36798.526	47276.822 *
5.0	2953.885	4328.209	6354.606	8995.263	11877.752	16708.041	23875.280	33684.406	46770.314	60535.037 *
3.0	3073.981	4547.972	6683.525	9508.347	12794.849	18296.062	26780.004	39272.208	54709.349	71293.717 *
1.0	3139.073	4665.007	6834.685	9753.386	13284.840	18960.189	28622.536	43058.346	59769.443	78293.891 *
0.0	3149.783	4682.517	6839.262	9700.481	13237.579	18760.619	28447.842	43022.994	59680.979	78323.987 *
-1.0	3109.981	4650.116	6826.131	9796.118	13443.405	19067.494	28686.452	43385.910	60757.111	79824.826 *
-3.0	2985.787	4503.470	6652.852	9612.956	13218.621	18685.329	26943.552	40056.097	56884.024	75462.969 *
-5.0	2803.892	4254.604	6290.184	9102.570	12437.358	17539.329	24130.988	34397.707	48794.555	65384.835 *
-7.0	2615.375	3909.797	5842.181	8310.788	11262.028	15380.082	20829.787	28214.971	37902.943	49987.201 *
-9.0	2395.364	3485.324	5290.928	7361.300	9822.224	12918.465	17405.472	22591.095	28797.878	35367.176 *
-11.0	2146.333	3049.860	4670.969	6333.076	8344.337	10770.241	13726.940	17830.741	21984.163	26076.562 *
-13.0	1952.413	2656.826	3989.515	5420.451	6875.373	8813.194	11007.819	13542.871	16528.048	19433.916 *
-15.0	1789.065	2330.948	3321.989	4529.384	5661.986	6979.053	8648.971	10457.634	12359.716	14029.451 *
-17.0	1596.433	2035.687	2700.067	3658.753	4551.884	5521.360	6594.803	7863.965	9118.416	10205.058
-19.5	1311.666	1748.348	2174.068	2677.531	3306.700	4013.214	4800.321	5559.551	6232.862	6800.290
-22.5	1043.489	1327.799	1697.620	1924.384	2200.023	2555.499	2986.939	3406.856	3795.549	4092.510
-25.5	802.190	1000.577	1205.377	1406.224	1532.390	1647.531	1809.257	2045.337	2288.457	2474.365
-29.0	464.784	646.537	774.079	894.656	995.938	1078.741	1142.989	1232.535	1314.203	1380.575
-33.0	142.683	253.885	369.547	442.737	479.442	500.637	554.007	615.332	660.534	695.274
-37.5	9.448	32.775	57.262	76.313	87.714	117.562	151.510	185.923	214.177	221.455
-42.5	0.000	0.010	0.160	0.608	1.442	2.514	4.413	5.569	5.702	5.373
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	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	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
-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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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55.0	54.654	57.367	58.725	56.041	50.677	41.735	33.698	25.506	17.518	10.387
47.5	265.772	264.341	262.167	254.283	235.569	213.469	188.643	164.399	140.145	113.362
42.5	587.148	593.290	594.205	585.569	563.677	534.897	498.412	453.647	401.282	348.717
37.5	899.276	904.724	904.521	902.510	892.803	875.479	855.016	819.459	780.062	739.625
33.0	1346.715	1374.361	1377.255	1382.094	1369.292	1340.902	1296.288	1249.509	1185.744	1117.024
29.0	2249.103	2290.641	2294.402	2302.497	2280.253	2221.212	2115.643	1965.919	1774.170	1641.516
25.5	3351.001	3442.279	3470.034	3465.394	3415.280	3310.440	3181.261	3023.561	2826.318	2576.465
22.5	4612.319	4745.049	4774.385	4784.044	4730.009	4578.308	4347.541	4049.941	3756.722	3453.992
19.5	6926.289	7136.422	7156.008	7163.621	7003.059	6652.442	6242.540	5760.812	5219.211	4620.056
17.0	10341.031	10947.749	11031.757	11050.307	10618.361	9856.554	8911.487	7993.670	6975.703	6082.325
15.0	14346.388	15228.899	15330.648	15350.847	14719.007	13587.642	12109.300	10467.203	9027.741	7640.372
13.0	20365.324	21816.281	21978.745	21984.043	20806.224	18771.358	16338.536	13721.575	11278.910	9498.906
11.0	28555.323	31444.034	31849.262	32041.937	30070.999	26654.456	22201.465	18275.807	14445.013	11467.238 *
9.0	40484.571	44924.448	45227.036	45707.945	42821.034	37271.960	30621.805	23806.438	18498.415	14030.290 *
7.0	56436.389	62854.149	63244.658	63748.375	58990.240	50508.806	40166.351	31075.561	22821.071	16877.119 *
5.0	73130.766	82138.088	82995.790	83467.211	76716.140	65371.528	51686.856	38622.853	27743.573	19724.152 *
3.0	85943.966	96750.506	99142.244	98359.444	90345.908	78414.913	62079.363	45575.277	31915.521	21976.394 *
1.0	94085.260	105760.390	108851.146	107638.139	9543.323	86730.094	69093.338	50370.748	34808.616	23384.765 *
0.0	95637.419	108521.700	10976.970	10450.658	80184.458	7570.586	69717.386	50717.320	34982.427	23450.682 *
-1.0	95901.950	108106.959	11182.838	10075.607	701771.448	8212.227	69868.037	50462.271	34835.650	23514.458 *
-3.0	91166.934	102572.304	104578.692	103349.359	95866.029	82415.888	63746.566	45640.553	32152.056	22271.499 *
-5.0	79761.927	89982.372	91185.937	91099.868	83682.078	70874.221	53942.290	38960.651	28499.559	19956.950 *
-7.0	61183.585	70032.574	71151.816	71245.693	64312.018	53683.600	41856.711	32015.703	23874.007	17177.776 *
-9.0	42343.328	48079.739	48717.125	48696.913	44033.339	37846.570	31689.464	25289.696	19618.039	14562.115 *
-11.0	29514.833	32123.450	32429.289	32570.438	30764.253	27892.255	23836.445	19729.929	15629.984	11968.952 *
-13.0	21484.664	22833.999	22935.958	23086.968	22136.386	20222.773	17445.541	14652.856	11944.529	9532.970
-15.0	15293.547	16032.983	16046.534	16088.173	15438.457	14212.656	12726.126	10989.191	9237.776	7677.350
-17.0	11052.994	11553.538	11564.244	11590.079	11172.619	10432.393	9506.195	8406.691	7229.185	6165.524
-19.5	7293.568	7572.130	7617.899	7640.387	7502.583	7148.060	6643.270	5950.947	5187.280	4458.483
-22.5	4313.452	4408.407	4398.146	4431.722	4380.537	4195.535	3961.669	3648.326	3313.799	2948.493
-25.5	2606.935	2669.130	2676.245	2698.799	2698.233	2634.025	2525.892	2373.213	2125.768	1857.931
-29.0	1429.139	1460.821	1464.719	1477.015	1474.919	1448.642	1392.611	1317.225	1239.822	1138.451
-33.0	709.303	706.755	696.524	713.330	728.958	727.813	705.635	672.617	605.478	533.217
-37.5	224.321	219.265	214.076	217.418	218.794	212.295	201.449	172.453	138.823	104.554
-42.5	4.121	2.250	1.179	1.216	1.161	0.898	0.393	0.244	0.138	0.017
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	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	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
-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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	5.647	2.107	0.188	0.014	0.002	0.000	0.000	0.000	0.000	0.000
47.5	86.224	57.841	37.352	21.231	14.255	7.882	0.953	0.000	0.000	0.000
42.5	294.877	246.939	191.118	126.003	73.588	26.884	2.757	0.003	0.000	0.000
37.5	685.723	611.335	505.985	377.840	240.475	117.591	43.198	3.343	0.002	0.000
33.0	1037.522	950.312	825.258	632.960	461.251	324.823	125.064	28.870	0.542	0.000
29.0	1531.901	1425.909	1271.852	1025.631	765.635	478.611	284.606	73.264	4.547	0.001
25.5	2273.013	1956.253	1656.031	1430.463	1120.119	739.109	421.905	144.838	10.139	0.000

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	3162.044	2775.777	2240.982	1728.048	1401.645	973.042	554.637	227.419	19.532	0.013
19.5	4080.018	3625.536	3045.774	2223.145	1682.083	1200.648	715.459	336.894	44.873	0.123
17.0	5237.161	4422.603	3651.791	2745.949	1954.744	1396.466	835.562	421.581	64.939	0.402
15.0	6448.636	5369.358	4228.479	3174.995	2224.434	1570.980	928.999	466.602	77.625	0.749
13.0	7844.583	6443.974	4948.187	3573.435	2516.009	1719.378	1039.377	509.523	89.786	1.276
11.0	9417.822	7594.375	5809.389	4050.746	2808.238	1849.129	1140.597	556.967	103.497	1.915
9.0	11022.301	8807.595	6682.957	4560.149	3108.055	2001.451	1236.430	612.480	116.926	2.147
7.0	12771.912	9903.153	7432.615	5061.736	3365.569	2161.149	1311.133	668.999	125.971	2.273
5.0	14343.044	10932.270	7987.716	5524.611	3577.015	2306.649	1373.609	701.890	133.770	2.121
3.0	15605.522	11806.036	8438.018	5907.406	3771.848	2418.365	1412.481	731.596	134.793	1.481
1.0	16352.316	12386.492	8709.330	6167.924	3887.639	2498.057	1432.659	748.529	129.447	0.543
0.0	16402.819	12459.395	8764.939	6240.993	3914.435	2515.230	1432.870	751.672	124.527	0.024
-1.0	16332.100	12375.936	8694.691	6133.564	3875.247	2479.867	1413.942	737.185	122.783	0.023
-3.0	15542.285	11781.120	8382.707	5809.914	3736.528	2363.154	1358.869	697.161	115.271	0.020
-5.0	14230.676	10909.914	7858.460	5379.244	3524.212	2212.827	1291.733	643.164	102.790	0.015
-7.0	12750.471	9883.351	7176.017	4882.983	3285.852	2026.106	1211.906	584.650	85.832	0.007
-9.0	11136.746	8739.697	6342.083	4369.343	2992.396	1810.941	1130.397	495.632	68.167	0.002
-11.0	9401.800	7456.012	5550.094	3880.358	2630.450	1576.260	1021.478	403.425	47.635	0.001
-13.0	7768.586	6311.693	4774.209	3366.271	2257.697	1375.056	906.311	320.977	28.104	0.000
-15.0	6450.561	5278.638	4042.417	2857.823	1907.874	1212.664	771.582	243.840	15.099	0.000
-17.0	5199.879	4311.640	3309.156	2327.442	1569.521	1071.505	643.680	196.567	5.295	0.000
-19.5	3827.827	3200.434	2497.435	1764.781	1209.677	901.184	472.968	143.992	0.895	0.000
-22.5	2576.436	2144.042	1681.067	1184.985	933.508	685.629	263.381	71.857	0.035	0.000
-25.5	1613.232	1383.528	1108.036	869.289	718.340	406.655	140.051	15.747	0.001	0.000
-29.0	1010.654	874.487	734.266	590.508	369.507	160.463	44.721	0.448	0.000	0.000
-33.0	469.034	406.679	311.789	184.412	84.824	22.439	1.408	0.001	0.000	0.000
-37.5	70.381	49.057	26.558	10.804	2.390	0.063	0.000	0.000	0.000	0.000
-42.5	0.008	0.053	0.020	0.001	0.000	0.000	0.000	0.000	0.000	0.000
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	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	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
-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>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	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
0.0	0.000	0.000	0.000	0.000	0.000
-1.0	0.000	0.000	0.000	0.000	0.000
-3.0	0.000	0.000	0.000	0.000	0.000
-5.0	0.000	0.000	0.000	0.000	0.000
-7.0	0.000	0.000	0.000	0.000	0.000
-9.0	0.000	0.000	0.000	0.000	0.000
-11.0	0.000	0.000	0.000	0.000	0.000
-13.0	0.000	0.000	0.000	0.000	0.000
-15.0	0.000	0.000	0.000	0.000	0.000
-17.0	0.000	0.000	0.000	0.000	0.000
-19.5	0.000	0.000	0.000	0.000	0.000
-22.5	0.000	0.000	0.000	0.000	0.000
-25.5	0.000	0.000	0.000	0.000	0.000
-29.0	0.000	0.000	0.000	0.000	0.000
-33.0	0.000	0.000	0.000	0.000	0.000
-37.5	0.000	0.000	0.000	0.000	0.000
-42.5	0.000	0.000	0.000	0.000	0.000
-47.5	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000
-65.0	0.000	0.000	0.000	0.000	0.000
-75.0	0.000	0.000	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-90W-LED-10SP.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6798.83

Total Field Lumens (one side of beam only) = 5105.46

* 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	0.09	0.17	0.15	0.13	0.10	0.08	0.06	0.04	0.03	0.02
47.5	0.36	0.71	0.67	0.62	0.57	0.51	0.45	0.39	0.32	0.31
42.5	0.65	1.27	1.23	1.17	1.10	1.01	0.91	0.81	0.70	0.72
37.5	1.14	2.26	2.21	2.14	2.04	1.93	1.80	1.66	1.50	1.63
33	1.56	3.11	3.05	2.96	2.84	2.71	2.58	2.43	2.24	2.48
29	2.24	4.44	4.34	4.18	3.96	3.70	3.43	3.16	2.88	3.20
25.5	3.07	6.07	5.91	5.67	5.36	4.97	4.52	4.06	3.60	3.91
22.5	3.76	7.43	7.20	6.85	6.41	5.93	5.42	4.86	4.27	4.51
19.5	5.45	10.75	10.35	9.73	8.96	8.14	7.30	6.48	5.67	5.95
17	6.92	13.54	12.80	11.78	10.64	9.40	8.16	7.05	6.04	6.26
15	8.02 *	15.62 *	14.57 *	13.15	11.57	9.96	8.43	7.09	5.93	6.01
13	11.35 *	22.01 *	20.32 *	17.98 *	15.37 *	12.86 *	10.63	8.72	7.13	7.06
11	16.37 *	31.52 *	28.61 *	24.71 *	20.51 *	16.61 *	13.28 *	10.62	8.48	8.25
9	23.47 *	45.06 *	40.27 *	33.99 *	27.36 *	21.35 *	16.47 *	12.76 *	9.98	9.54
7	33.06 *	63.31 *	55.92 *	46.16 *	36.06 *	27.19 *	20.14 *	15.04 *	11.49	10.81
5	44.52 *	84.85 *	74.29 *	60.45 *	46.19 *	33.79 *	24.15 *	17.37 *	12.87 *	11.90
3	55.21 *	104.54 *	91.42 *	74.35 *	56.17 *	40.12 *	27.86 *	19.41 *	14.03 *	12.78
1	62.79 *	118.48 *	104.02 *	84.88 *	63.94 *	45.06 *	30.50 *	20.79 *	14.86 *	13.40
0	33.20 *	62.67 *	54.85 *	44.62 *	33.59 *	23.55 *	15.75 *	10.63 *	7.58 *	6.82
-1	33.56 *	63.34 *	55.39 *	44.98 *	33.75 *	23.59 *	15.77 *	10.66 *	7.59 *	6.82
	65.16 *	123.11 *	107.96 *	87.42 *	64.97 *	45.32 *	30.71 *	21.00 *	14.95 *	13.40

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	59.29 *	112.25 *	97.94 *	78.38 *	57.68 *	40.61 *	28.33 *	19.78 *	14.18 *	12.76
-5	49.27 *	93.04 *	80.35 *	63.98 *	47.67 *	34.64 *	24.94 *	17.84 *	13.01 *	11.82
-7	36.38 *	68.48 *	59.06 *	48.03 *	37.46 *	28.47 *	21.12 *	15.52 *	11.60	10.66
-9	24.65 *	46.90 *	41.60 *	35.37 *	28.92 *	22.77 *	17.37 *	13.14 *	10.04	9.36
-11	16.86 *	32.65 *	30.01 *	26.27 *	21.95 *	17.71 *	13.91 *	10.86	8.48	8.05
-13	11.88 *	23.20 *	21.61 *	19.23 *	16.39 *	13.57 *	11.00	8.83	7.07	6.81
-15	8.41 *	16.47 *	15.47 *	14.02 *	12.28	10.41	8.65	7.12	5.80	5.63
-17	7.30	14.34	13.60	12.51	11.18	9.67	8.19	6.84	5.62	5.54
-19.5	5.49	10.85	10.42	9.74	8.87	7.84	6.76	5.74	4.80	4.88
-22.5	3.24	6.44	6.24	5.90	5.44	4.88	4.30	3.75	3.25	3.40
-25.5	2.21	4.40	4.29	4.10	3.82	3.49	3.14	2.81	2.49	2.65
-29	1.32	2.65	2.61	2.52	2.39	2.21	2.02	1.83	1.63	1.74
-33	0.63	1.28	1.28	1.24	1.16	1.04	0.91	0.79	0.69	0.71
-37.5	0.17	0.34	0.34	0.33	0.30	0.25	0.19	0.14	0.10	0.09
-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	639.06	1217.58	1080.37	899.55	706.96	535.35	399.18	300.03	230.91	219.89

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	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.25	0.14	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00

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LUMENS TABULATION - (Cont.)

47.5	0.66	0.46	0.33	0.16	0.05	0.01	0.00	0.00	0.00	0.00
42.5	1.58	1.16	0.87	0.53	0.24	0.06	0.00	0.00	0.00	0.00
37.5	2.45	1.87	1.55	1.06	0.54	0.18	0.02	0.00	0.00	0.00
33	3.25	2.57	2.20	1.61	0.92	0.34	0.06	0.00	0.00	0.00
29	3.94	3.15	2.71	2.06	1.25	0.50	0.10	0.01	0.00	0.00
25.5	4.39	3.46	2.99	2.29	1.46	0.64	0.14	0.02	0.00	0.00
22.5	5.62	4.29	3.66	2.78	1.84	0.87	0.20	0.03	0.00	0.00
19.5	5.83	4.32	3.62	2.72	1.80	0.91	0.22	0.04	0.00	0.00
17	5.50	4.01	3.32	2.45	1.59	0.83	0.21	0.04	0.00	0.00
15	6.31	4.52	3.71	2.69	1.73	0.92	0.24	0.04	0.00	0.00
13	7.20	5.05	4.07	2.94	1.90	0.99	0.28	0.05	0.00	0.00
11	8.19	5.59	4.41	3.17	2.06	1.06	0.30	0.05	0.00	0.00
9	9.13	6.13	4.74	3.39	2.20	1.13	0.32	0.06	0.00	0.00
7	9.95	6.61	5.02	3.58	2.30	1.18	0.34	0.06	0.00	0.00
5	10.61	7.03	5.26	3.72	2.37	1.22	0.35	0.06	0.00	0.00
3	11.08	7.34	5.44	3.81	2.41	1.24	0.34	0.06	0.00	0.00
1	5.64	3.74	2.76	1.92	1.21	0.62	0.17	0.03	0.00	0.00
0	5.63	3.73	2.75	1.91	1.20	0.62	0.17	0.03	0.00	0.00
-1	11.02	7.26	5.36	3.72	2.35	1.19	0.32	0.05	0.00	0.00
-3	10.48	6.89	5.11	3.56	2.25	1.13	0.30	0.04	0.00	0.00
-5	9.72	6.40	4.79	3.37	2.13	1.05	0.27	0.04	0.00	0.00
-7	8.81	5.83	4.41	3.13	1.99	0.94	0.24	0.03	0.00	0.00
-9	7.81	5.21	3.98	2.86	1.81	0.82	0.20	0.02	0.00	0.00
-11	6.81	4.58	3.53	2.58	1.62	0.69	0.16	0.01	0.00	0.00
-13	5.83	3.99	3.12	2.30	1.42	0.56	0.12	0.01	0.00	0.00
-15	4.89	3.43	2.73	2.02	1.21	0.44	0.09	0.00	0.00	0.00
-17	4.95	3.54	2.89	2.15	1.21	0.41	0.06	0.00	0.00	0.00
-19.5	4.50	3.29	2.79	2.00	1.02	0.33	0.03	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

-22.5	3.22	2.47	2.09	1.35	0.60	0.17	0.01	0.00	0.00	0.00
-25.5	2.59	1.99	1.53	0.86	0.33	0.07	0.00	0.00	0.00	0.00
-29	1.65	1.14	0.74	0.36	0.12	0.02	0.00	0.00	0.00	0.00
-33	0.60	0.34	0.17	0.06	0.01	0.00	0.00	0.00	0.00	0.00
-37.5	0.07	0.03	0.01	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	190.18	131.57	102.73	73.15	45.13	21.17	5.26	0.77	0.00	0.00

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</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	0.90
55			
	0.00	0.00	5.45
47.5			
	0.00	0.00	11.22
42.5			
	0.00	0.00	22.73
37.5			
	0.00	0.00	33.64
33			
	0.00	0.00	46.50
29			
	0.00	0.00	60.87
25.5			
	0.00	0.00	72.04
22.5			
	0.00	0.00	98.08
19.5			
	0.00	0.00	112.04
17			
	0.00	0.00	118.29

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

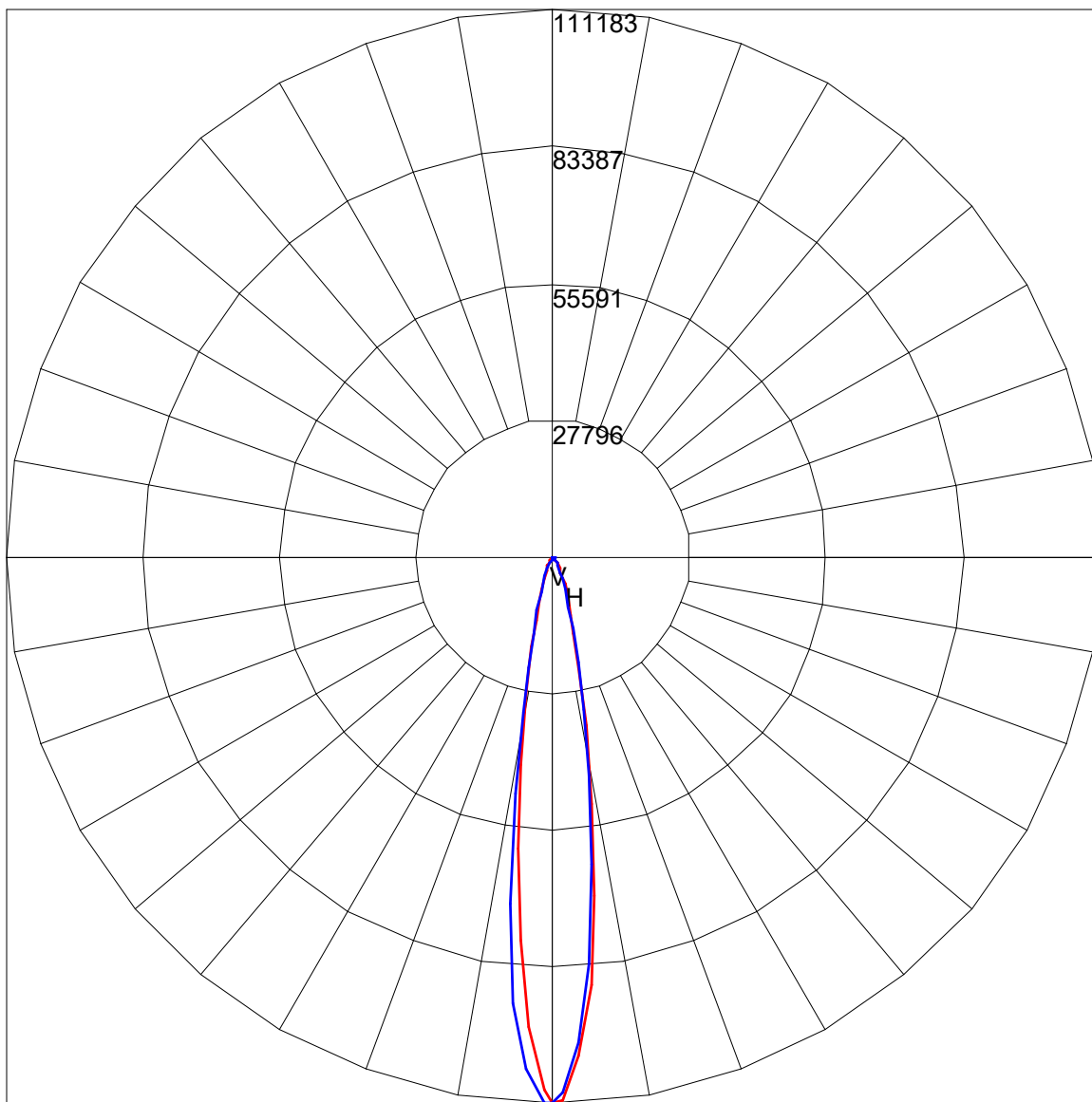
15	0.00	0.00	153.58
13	0.00	0.00	201.42
11	0.00	0.00	265.09
9	0.00	0.00	346.29
7	0.00	0.00	439.44
5	0.00	0.00	526.51
3	0.00	0.00	590.42
1	0.00	0.00	309.35
0	0.00	0.00	311.49
-1	0.00	0.00	605.27
-3	0.00	0.00	550.95
-5	0.00	0.00	464.32
-7	0.00	0.00	362.17
-9	0.00	0.00	272.84
-11	0.00	0.00	206.72
-13	0.00	0.00	156.95
-15	0.00	0.00	119.09
-17	0.00	0.00	110.01
-19.5	0.00	0.00	89.37
-22.5	0.00	0.00	56.77
-25.5	0.00	0.00	40.79
-29	0.00	0.00	24.95
-33	0.00	0.00	10.90
-37.5	0.00	0.00	2.35
-42.5	0.00	0.00	0.03
-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-90W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

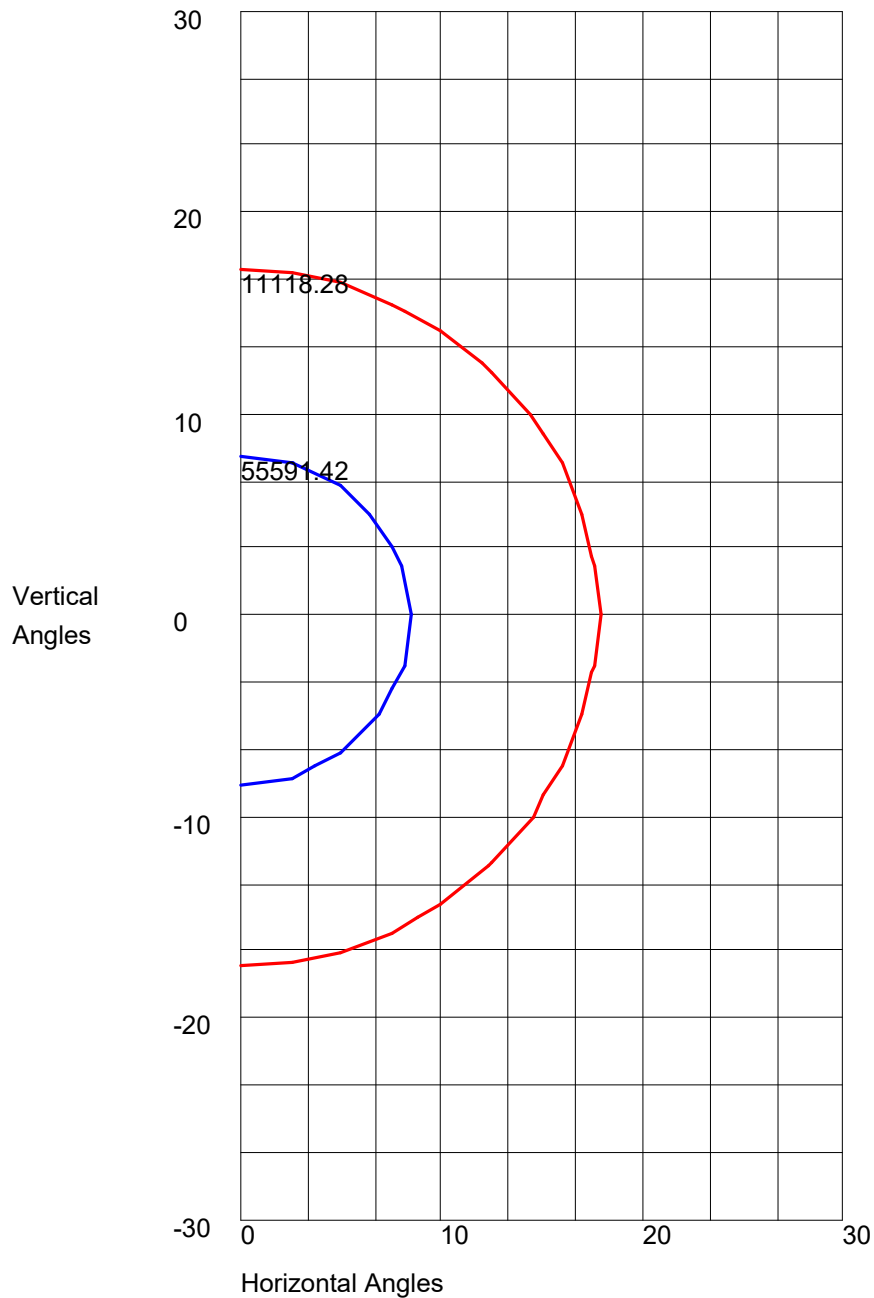
-75	0.00	0.00	0.00
-85	0.00	0.00	0.00
-90			
Total	0.00	0.00	6798.84

AXIAL CANDELA DISPLAY



Maximum Candela = 111182.838 Located At Horizontal Angle = 0, Vertical Angle = -1
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 111182.838 Located At Horizontal Angle = 0, Vertical Angle = -1
50% Maximum Candela = 55591.419
10% Maximum Candela = 11118.2838



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194007
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-24WS
[LUMINAIRE] 100W 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	44982.316
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	13500 (1 lamp)
Total Lamp Lumens	13500
Beam Lumens	4151
Beam Efficiency	31 %
Field Lumens	8745
Field Efficiency	65 %
Spill Lumens	3844
Luminaire Lumens	12589
Total Efficiency	93 %
Total Luminaire Watts	100
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	14.274	90	9.966
85	29.705	85	27.524
75	100.074	75	96.238
65	227.038	65	223.217
55	479.781	55	552.589
47.5	896.353	47.5	949.889
42.5	1294.631	42.5	1364.752
37.5	1781.864	37.5	1853.619
33	2359.969	33	2435.031
29	3138.164	29	3250.002
25.5	4193.674	25.5	4376.106
22.5	6021.156	22.5	6308.176
19.5	8416.495	19.5	8834.66
17	12009.721	17	12611.087
15	14884.301	15	15632.229
13	19769.322	13	20862.863
11	24654.343	11	26093.496
9	29627.927	9	31322.78
7	34690.074	7	36550.713
5	39752.222	5	41778.647
3	41844.26	3	43060.115
1	43936.297	1	44341.582
0	44982.316	0	44982.316
-1	43889.045	-1	43852.054
-3	41702.504	-3	41591.531
-5	39515.963	-5	39331.007
-7	34404.674	-7	33715.339
-9	29293.385	-9	28099.671
-11	24298.74	-11	22903.086
-13	19420.739	-13	18125.583
-15	14542.739	-15	13348.08
-17	11750.619	-17	10773.102
-19.5	8260.47	-19.5	7554.38
-22.5	5942.245	-22.5	5472.563
-25.5	4172.451	-25.5	3899.039
-29	3125.258	-29	2950.885
-33	2348.547	-33	2242.73
-37.5	1781.594	-37.5	1711.323
-42.5	1297.101	-42.5	1242.039
-47.5	887.314	-47.5	850.106
-55	467.009	-55	481.819
-65	219.059	-65	196.243
-75	94.894	-75	86.665
-85	25.76	-85	24.701
-90	11.27	-90	11.906

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

CANDELA TABULATION

Maximum Candela = 44982.316
 Beam Edge = 22491.158 Cd (50% of Max.)
 Field Edge = 4498.2316 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	11.241	11.229	11.205	11.181	11.183	11.205	11.220	11.234	11.247	11.213
85.0	11.244	12.486	14.907	17.180	19.356	20.946	21.933	22.852	23.614	24.247
75.0	11.248	14.966	22.227	33.477	48.168	58.505	67.267	75.407	82.134	87.543
65.0	11.253	17.336	33.354	59.314	93.714	123.638	146.871	170.897	190.979	206.829
55.0	11.258	19.523	47.021	91.545	149.191	201.324	234.781	277.898	311.967	340.120
47.5	11.261	21.004	56.369	117.071	194.457	271.225	327.867	414.017	487.016	565.448
42.5	11.262	21.901	64.044	133.956	223.684	325.277	429.073	540.926	661.599	763.274
37.5	11.264	22.718	70.973	149.306	264.493	408.653	538.547	700.189	873.023	1032.674
33.0	11.265	23.379	76.524	163.683	297.316	477.541	657.721	871.828	1086.453	1313.591
29.0	11.266	23.905	80.883	176.018	324.579	552.259	756.567	1031.456	1314.101	1579.406
25.5	11.267	24.314	84.237	185.673	358.540	617.219	865.292	1175.847	1505.083	1796.087
22.5	11.268	24.627	86.759	193.057	384.205	666.993	948.887	1304.590	1661.934	1977.166
19.5	11.268	24.903	88.950	199.582	406.570	710.956	1022.924	1420.040	1804.432	2179.357
17.0	11.269	25.104	90.518	204.339	422.616	748.099	1076.866	1505.200	1909.063	2380.628
15.0	11.269	25.246	91.604	207.686	433.724	780.738	1124.465	1565.745	1983.334	2521.748
13.0	11.269	25.371	92.538	210.617	443.275	809.189	1169.658	1622.545	2048.677	2645.977
11.0	11.270	25.746	93.319	213.124	451.258	833.362	1208.314	1671.133	2130.698	2752.287
9.0	11.270	25.749	93.948	215.201	457.663	853.179	1240.242	1711.228	2208.901	2839.760
7.0	11.270	25.751	94.424	216.840	462.487	868.583	1265.281	1742.595	2270.236	2942.316
5.0	11.270	25.754	95.219	218.036	465.734	879.532	1283.300	1765.054	2314.355	3042.980
3.0	11.270	25.756	95.089	219.296	469.142	886.003	1294.203	1778.484	2341.073	3104.867
1.0	11.270	25.759	94.959	219.138	467.720	887.994	1297.933	1782.827	2350.379	3128.032
0.0	11.270	25.760	94.894	219.059	467.009	887.314	1297.101	1781.594	2348.547	3125.258
-1.0	11.270	25.760	94.893	218.839	466.731	885.857	1294.613	1777.607	2341.766	3113.443
-3.0	11.270	25.745	94.892	218.399	466.176	879.624	1284.293	1762.933	2315.542	3061.910
-5.0	11.270	25.735	94.890	216.555	460.845	869.001	1266.953	1739.504	2272.817	2974.043
-7.0	11.270	25.726	93.970	214.785	455.719	854.050	1242.746	1707.587	2214.170	2851.248
-9.0	11.270	25.716	93.368	212.590	449.091	834.851	1211.861	1667.497	2140.302	2729.735
-11.0	11.270	25.706	92.617	209.982	440.979	811.497	1174.513	1619.590	2052.004	2625.368
-13.0	11.269	25.325	91.718	206.971	431.404	784.096	1130.941	1564.251	1961.694	2506.163
-15.0	11.269	25.194	90.672	203.569	420.392	752.769	1081.402	1501.889	1887.982	2373.355
-17.0	11.269	25.046	89.480	199.788	407.973	717.644	1030.035	1435.905	1807.169	2228.159
-19.5	11.268	24.837	87.786	194.547	390.518	677.862	972.125	1345.270	1697.032	2030.794
-22.5	11.268	24.554	85.459	187.538	366.833	631.507	894.683	1225.347	1552.646	1836.532
-25.5	11.267	24.234	82.819	179.782	340.283	580.320	809.222	1094.453	1398.753	1661.202
-29.0	11.266	23.818	79.352	169.848	305.874	514.997	700.295	951.816	1211.163	1453.018
-33.0	11.265	23.287	74.898	157.411	278.493	441.160	603.225	797.036	990.075	1195.658
-37.5	11.264	22.622	69.286	143.109	246.375	373.871	489.346	632.949	786.660	927.052
-42.5	11.262	21.804	62.351	127.914	207.420	294.819	386.317	483.064	588.012	674.950
-47.5	11.261	20.910	54.733	111.459	179.797	245.147	293.103	366.666	426.697	492.551
-55.0	11.258	19.440	45.599	86.823	137.885	182.736	208.913	244.560	272.000	294.092
-65.0	11.253	17.278	32.421	55.861	86.698	113.697	134.911	157.043	173.493	184.873
-75.0	11.249	14.945	21.787	31.818	44.504	53.480	61.232	68.324	74.090	78.663
-85.0	11.244	12.507	14.841	16.863	18.531	19.612	20.254	20.825	21.275	21.689
-90.0	11.241	11.272	11.335	11.397	11.285	11.071	10.928	10.785	10.656	10.615

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-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	11.063	10.934	10.805	10.698	10.612	10.526	10.440	10.354	10.268	10.182
85.0	24.803	25.253	25.674	26.001	26.245	26.475	26.993	27.089	27.186	27.282
75.0	90.733	92.964	94.742	95.887	96.587	97.100	97.431	97.585	97.567	97.851
65.0	215.092	218.999	222.251	224.415	225.763	226.751	227.360	227.575	227.378	226.752
55.0	377.679	408.263	436.977	459.182	475.673	490.921	504.821	517.267	528.158	537.391
47.5	633.628	686.715	735.223	776.023	812.294	844.579	872.753	896.703	916.329	931.545
42.5	875.318	962.248	1041.376	1100.884	1152.847	1202.549	1246.016	1283.020	1313.357	1336.847
37.5	1177.100	1308.477	1426.636	1517.477	1583.289	1646.242	1701.481	1748.652	1787.436	1817.557
33.0	1502.539	1656.446	1800.828	1909.304	1990.607	2063.795	2155.226	2243.964	2316.435	2372.071
29.0	1793.687	1971.161	2168.302	2371.014	2518.756	2654.374	2773.553	2875.199	2995.497	3117.198
25.5	2039.750	2333.467	2631.517	2857.497	3125.142	3414.937	3673.971	3896.529	4079.667	4220.720
22.5	2337.385	2686.512	3097.500	3577.572	3929.983	4250.324	4569.424	*5107.963	*5557.502	*5908.957 *
19.5	2641.165	3103.383	3783.875	4311.448	4914.654	*5685.866	*6374.927	*6994.638	*7519.883	*7937.061 *
17.0	2873.354	3589.039	4317.167	5307.514	*6226.075	*7073.765	*7837.926	*9160.307	*10414.683	*11418.078 *
15.0	3138.992	3946.395	4927.695	*6235.781	*7219.682	*8328.850	*10114.757	*11692.596	*13082.676	*14225.127 *
13.0	3413.143	4261.432	5712.132	*7099.106	*8345.730	*10460.464	*12410.075	*14153.321	*15948.999	*18157.475 *
11.0	3648.808	4551.183	*6397.903	*7885.071	*10157.290	*12437.685	*14567.083	*17379.249	*20315.988	*22820.179 *
9.0	3843.521	5047.283	*6949.952	*9169.214	*11769.915	*14220.401	*17410.016	*21129.367	*24463.796	*27277.862 *
7.0	3995.221	5439.897	*7384.284	*10281.152	*12996.437	*15966.603	*20355.517	*24464.016	*28254.317	*31590.760 *
5.0	4102.413	5723.742	*7692.644	*11100.030	*13891.799	*17818.296	*22532.478	*27181.969	*31504.892	*35444.264 *
3.0	4164.305	5895.563	*8081.130	*11604.427	*14431.644	*19006.161	*23883.772	*28783.647	*33694.456	*38446.603 *
1.0	4180.905	5954.567	*8270.644	*11783.252	*14644.703	*19468.952	*24382.440	*29398.469	*34517.934	*39894.186 *
0.0	4172.451	5942.245	*8260.470	*11750.619	*14542.739	*19420.739	*24298.740	*29293.385	*34404.674	*39515.963 *
-1.0	4156.624	5910.762	*8196.878	*11666.360	*14482.198	*19252.342	*24091.504	*29034.682	*34089.209	*39353.505 *
-3.0	4092.663	5767.766	*7867.689	*11265.374	*13962.090	*18378.789	*23046.817	*27706.610	*32440.363	*36908.231 *
-5.0	3986.930	5522.492	*7360.114	*10571.937	*13161.248	*16841.949	*21245.016	*25475.030	*29552.590	*33176.098 *
-7.0	3841.512	5181.788	*6953.781	*9614.040	*12073.312	*14728.784	*18773.786	*22473.961	*25754.138	*28753.933 *
-9.0	3658.953	4753.702	*6452.182	*8423.990	*10737.961	*12889.256	*15734.875	*19040.182	*21865.147	*24098.365 *
-11.0	3442.096	4246.877	5867.314	*7138.157	*9152.022	*11130.267	*12914.740	*15333.210	*17814.126	*19992.990 *
-13.0	3193.927	3939.606	5199.320	*6379.930	*7429.007	*9250.773	*10875.035	*12259.992	*13702.118	*15708.990 *
-15.0	2917.439	3625.512	4469.620	5574.764	*6381.043	*7281.420	*8768.955	*10028.112	*1190.873	*12167.407 *
-17.0	2659.721	3286.008	3905.211	4732.445	*5482.673	*6151.548	*6727.350	*7810.791	*8893.842	*9756.540 *
-19.5	2437.595	2836.812	3412.277	3842.459	4327.789	4938.951	*5463.419	*5982.384	*6423.990	*6774.596 *
-22.5	2153.245	2452.570	2796.486	3188.410	3466.112	3708.647	3975.563	4433.282	4815.971	*5116.647 *
-25.5	1877.511	2129.430	2378.092	2561.096	2773.487	3011.230	3238.010	3435.630	3601.456	3733.023
-29.0	1642.046	1797.047	1964.252	2129.504	2252.535	2377.439	2489.289	2586.991	2699.170	2811.700
-33.0	1364.598	1499.273	1623.083	1717.264	1797.431	1870.763	1957.507	2041.409	2111.776	2167.937
-37.5	1053.547	1169.038	1271.052	1359.121	1424.315	1486.670	1542.293	1590.784	1631.760	1664.873
-42.5	771.623	845.012	915.729	971.770	1021.970	1070.818	1114.156	1151.694	1183.159	1208.298
-47.5	549.498	594.073	639.744	678.511	712.917	743.760	770.917	794.279	813.746	829.233
-55.0	323.574	349.535	374.512	394.158	408.955	422.810	435.605	447.223	457.548	466.460
-65.0	190.027	192.238	194.267	195.750	196.760	197.580	198.181	198.534	198.607	198.372
-75.0	81.546	83.568	85.185	86.231	86.874	87.350	87.662	87.815	87.813	88.085
-85.0	22.214	22.631	23.016	23.312	23.532	23.738	24.163	24.261	24.359	24.457
-90.0	10.771	10.905	11.038	11.150	11.239	11.328	11.417	11.506	11.595	11.684

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	10.096	10.009	9.966	10.055	10.231	10.408	10.585	10.761	10.938	11.115
85.0	27.379	27.476	27.524	27.579	27.688	27.797	27.906	28.015	28.124	27.792
75.0	97.206	96.561	96.238	96.659	97.502	98.344	98.262	98.480	98.528	98.402
65.0	226.214	224.216	223.217	223.670	224.577	224.081	223.715	222.998	221.966	220.658

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	547.054	550.743	552.589	549.928	544.609	533.371	522.603	510.251	496.437	481.281
47.5	942.283	948.492	949.889	947.040	937.951	924.407	906.508	884.368	858.116	827.895
42.5	1353.346	1362.742	1364.752	1360.333	1346.174	1325.073	1297.244	1262.932	1222.406	1175.957
37.5	1838.788	1850.962	1853.619	1847.409	1828.175	1800.029	1763.229	1718.088	1664.958	1604.229
33.0	2410.436	2431.249	2435.031	2425.587	2393.698	2344.997	2280.230	2200.255	2106.014	2010.071
29.0	3200.225	3243.490	3250.002	3233.647	3171.230	3070.627	2933.894	2800.972	2688.722	2562.084
25.5	4317.460	4368.255	4376.106	4352.392	4270.636	4145.178	3978.994	3775.445	3538.083	3270.481
22.5	6154.085	6286.123	6308.176	6263.882	6088.404	5802.869	5415.791	4936.813	4376.018	4049.192
19.5	8456.352	8781.392	8834.660	8750.722	8366.135	7792.265	7327.132	6762.687	6114.821	5432.027 *
17.0	12135.426	12536.376	12611.087	12495.489	12015.399	11226.421	10162.751	8861.956	7527.176	6767.113 *
15.0	15056.708	15584.308	15632.229	15532.740	14906.005	13985.716	12770.039	11332.097	9746.447	7970.848 *
13.0	19770.736	20688.744	20862.863	20616.590	19563.240	17839.328	15555.239	13725.251	11971.281	10032.895 *
11.0	24735.747	25863.210	26093.496	25762.836	24448.797	22384.439	19796.782	16846.343	14043.343	11929.307 *
9.0	29604.853	31019.842	31322.780	30878.173	29205.353	26684.054	23800.354	20453.114	16764.022	13619.321 *
7.0	34332.575	36145.556	36550.713	35938.422	33761.345	30843.898	27419.000	23620.557	19559.821	15349.698 *
5.0	38752.195	41448.906	41778.647	41123.752	37927.896	34592.184	30566.433	26216.191	21886.005	17406.820 *
3.0	41360.472	42616.597	43060.115	42281.687	40626.329	37550.997	33025.706	28295.286	23588.934	18867.184 *
1.0	41915.772	43774.916	44341.582	43530.154	41635.875	39714.654	34474.046	29452.578	24512.258	19649.463 *
0.0	41702.504	43889.045	44982.316	43936.297	41844.260	39752.222	34690.074	29627.927	24654.343	19769.322 *
-1.0	41357.508	43181.205	43852.054	43396.707	41483.335	39566.919	34330.113	29312.402	24394.753	19563.092 *
-3.0	39581.010	40946.858	41591.531	41471.270	40226.225	37094.759	32586.578	27869.909	23251.585	18617.581 *
-5.0	35958.317	38883.028	39331.007	39392.165	37251.218	33884.472	29840.587	25523.950	21369.218	17020.158 *
-7.0	31336.279	33267.124	33715.339	33622.928	32344.083	29805.994	26390.727	22803.365	18923.680	14863.045 *
-9.0	26369.010	27804.888	28099.671	28074.852	27149.367	25296.305	22709.527	19582.229	16076.027	13093.498 *
-11.0	21716.398	22711.608	22903.086	22914.734	22298.014	20879.068	18729.398	15977.881	13355.916	11412.037 *
-13.0	17164.417	17979.329	18125.583	18126.841	17589.406	16363.132	14516.838	12914.972	11337.254	9559.597 *
-15.0	12871.933	13312.660	13348.080	13419.597	13179.880	12643.501	11786.166	10628.443	9200.149	7572.366 *
-17.0	10370.172	10710.658	10773.102	10785.911	10587.549	10092.125	9311.442	8266.189	7091.065	6427.696 *
-19.5	7222.793	7506.212	7554.380	7551.181	7351.935	6973.550	6682.270	6282.172	5780.481	5180.668 *
-22.5	5329.160	5448.692	5472.563	5475.626	5407.831	5240.840	4975.880	4616.226	4166.802	3898.030
-25.5	3828.175	3885.203	3899.039	3900.733	3874.008	3806.930	3699.875	3553.876	3370.514	3151.799
-29.0	2892.295	2939.798	2950.885	2949.359	2920.447	2856.880	2758.849	2659.321	2573.415	2471.081
-33.0	2209.321	2235.472	2242.730	2241.559	2227.402	2197.476	2151.904	2090.949	2015.014	1934.938
-37.5	1689.809	1706.306	1711.323	1710.268	1701.605	1684.236	1658.253	1623.808	1581.106	1530.401
-42.5	1226.881	1238.710	1242.039	1241.428	1235.005	1221.738	1201.767	1175.267	1142.439	1103.509
-47.5	840.667	847.995	850.106	850.057	846.833	839.443	827.903	812.247	792.525	768.804
-55.0	475.814	479.817	481.819	481.147	479.803	473.035	466.652	458.759	449.444	438.801
-65.0	198.243	196.910	196.243	197.614	200.357	201.866	203.458	204.704	205.620	206.226
-75.0	87.517	86.949	86.665	87.249	88.417	89.584	89.901	90.488	90.913	91.169
-85.0	24.554	24.652	24.701	24.787	24.959	25.130	25.302	25.474	25.645	25.467
-90.0	11.772	11.861	11.906	11.928	11.973	12.019	12.064	12.109	12.154	12.199

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	11.291	11.467	11.688	11.953	12.217	12.526	12.669	12.752	12.844	12.935
85.0	27.758	27.705	27.614	27.467	27.281	27.018	26.403	25.564	24.565	23.507
75.0	98.096	97.606	96.729	95.279	93.385	90.603	84.896	77.830	69.350	60.291
65.0	219.110	217.360	214.943	211.802	208.509	201.995	188.836	170.652	146.896	123.850
55.0	464.908	447.437	424.240	394.710	363.867	328.167	300.139	266.704	225.296	196.319
47.5	793.856	756.158	713.565	663.020	610.711	544.563	469.063	399.401	316.675	262.339
42.5	1123.887	1070.017	1008.188	928.754	844.533	736.565	638.070	521.749	414.398	314.348
37.5	1536.311	1467.206	1373.931	1259.564	1133.216	994.295	840.893	675.250	520.114	395.785
33.0	1930.725	1844.040	1734.698	1591.408	1441.194	1260.253	1043.888	838.785	634.430	464.994
29.0	2422.423	2279.194	2087.497	1896.357	1721.070	1510.226	1257.860	989.820	731.560	539.600
25.5	2985.467	2730.040	2516.101	2235.659	1958.435	1718.997	1436.370	1126.751	838.606	604.906

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	3741.989	3405.383	2948.494	2560.506	2233.936	1892.913	1584.699	1252.772	922.043	655.631
19.5	4675.978	*4092.625	3590.719	2945.709	2511.952	2082.559	1729.973	1367.208	997.099	701.132
17.0	5934.393	*5040.934	*4088.012	3398.416	2723.312	2276.189	1840.874	1452.848	1052.765	739.689
15.0	6879.547	*5923.095	*4663.311	*3730.424	2979.096	2419.171	1921.886	1514.759	1101.354	773.406
13.0	7948.829	*6735.946	*5403.003	*4036.048	3258.127	2549.029	1995.402	1576.717	1147.731	803.259
11.0	9686.145	*7467.239	*6071.326	*4343.364	3505.974	2664.582	2083.720	1631.283	1188.116	829.132
9.0	11216.664	*8759.390	*6667.579	*4863.872	*3719.755	2764.649	2168.973	1678.033	1222.290	850.922
7.0	12559.350	*9966.622	*7169.970	*5297.372	*3896.701	2882.489	2239.413	1716.568	1250.058	868.536
5.0	13634.238	*10920.348	*566.917	*5635.670	*4034.297	3001.409	2294.324	1746.522	1271.250	881.898
3.0	14397.271	*11589.899	*8062.022	*5871.508	*4130.433	3084.124	2333.094	1767.570	1285.727	890.949
1.0	14860.320	*11950.480	*8368.284	*5999.149	*4183.552	3129.596	2355.240	1779.439	1293.383	895.646
0.0	14884.301	*12009.721	*8416.495	*6021.156	*4193.674	3138.164	2359.969	1781.864	1294.631	896.353
-1.0	14796.592	*11907.207	*8344.302	*5986.855	*4178.436	3127.571	2354.292	1778.550	1292.484	894.986
-3.0	14214.376	*11465.423	*7993.693	*5836.010	*4115.489	3078.324	2330.278	1764.885	1283.034	888.978
-5.0	13353.285	*10729.891	*7463.346	*5581.007	*4010.712	2992.641	2289.726	1741.990	1266.778	878.642
-7.0	12211.731	*9733.175	*7038.372	*5229.901	*3866.369	2872.054	2233.172	1710.106	1243.832	864.035
-9.0	10839.559	*8510.952	*6519.699	*4791.788	*3685.162	2752.981	2161.276	1669.526	1214.343	845.235
-11.0	9318.844	*7228.214	*5920.340	*4276.149	*3470.059	2651.029	2074.795	1620.590	1178.489	822.332
-13.0	7621.006	*6502.483	*5261.519	*3969.643	*3224.142	2533.968	1985.109	1563.676	1136.475	795.431
-15.0	6584.656	*5712.882	*4544.712	*3666.821	*2950.469	2403.005	1909.237	1499.185	1088.523	764.649
-17.0	5683.586	*4870.298	*3989.021	*3340.535	*2698.596	2259.341	1825.590	1435.459	1038.513	730.113
-19.5	4502.800	*3970.893	*3505.184	*2899.851	*2483.867	2064.730	1710.984	1347.721	981.567	690.748
-22.5	3619.455	*3310.541	*2886.655	*2519.388	*2204.254	1870.081	1560.649	1230.974	905.354	644.610
-25.5	2900.800	*2665.245	*2463.546	*2195.982	*1928.058	1690.622	1408.811	1102.872	821.191	593.594
-29.0	2353.214	*2222.472	*2041.345	*1857.444	*1685.647	1476.919	1228.412	965.171	713.851	528.407
-33.0	1867.603	*1791.999	*1688.596	*1549.483	*1402.564	1225.321	1013.145	815.114	617.568	454.638
-37.5	1471.987	*1411.374	*1327.637	*1216.676	*1093.550	959.780	812.989	653.945	505.417	387.486
-42.5	1058.725	*1012.232	*960.347	*889.654	*810.290	707.688	614.835	504.415	403.077	308.932
-47.5	741.164	*709.698	*674.250	*631.979	*584.259	522.411	451.494	386.539	309.146	257.366
-55.0	426.923	*413.904	*396.166	*372.972	*347.938	315.085	290.781	260.727	221.817	192.372
-65.0	206.542	*206.588	*206.295	*205.483	*204.231	198.805	185.240	166.778	143.122	120.505
-75.0	91.250	*91.150	*90.763	*89.902	*88.593	86.483	81.278	74.737	66.794	58.211
-85.0	25.518	*25.552	*25.567	*25.545	*25.480	25.348	24.912	24.285	23.515	22.676
-90.0	12.244	*12.289	*12.345	*12.413	*12.480	12.558	12.653	12.762	12.883	13.003

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	13.073	13.344	13.704	14.063	14.243
85.0	21.832	19.724	17.644	15.402	14.246
75.0	49.830	36.182	25.445	18.048	14.251
65.0	93.925	61.061	36.721	20.580	14.256
55.0	147.903	93.086	50.362	22.924	14.261
47.5	191.446	118.747	59.807	24.514	14.264
42.5	219.848	135.905	67.568	25.480	14.266
37.5	260.374	151.656	74.611	26.361	14.268
33.0	293.562	166.253	80.288	27.076	14.269
29.0	321.634	178.830	84.779	27.646	14.270
25.5	356.589	188.825	88.260	28.091	14.271
22.5	383.374	196.588	90.900	28.432	14.272
19.5	407.085	203.565	93.215	28.734	14.272
17.0	424.411	208.748	94.893	28.956	14.273
15.0	436.634	212.465	96.068	29.113	14.273
13.0	447.372	215.787	97.094	29.252	14.273
11.0	456.603	218.704	97.969	29.658	14.273
9.0	464.306	221.204	98.693	29.666	14.274

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	470.467	223.277	99.265	29.675	14.274
5.0	475.075	224.913	100.158	29.683	14.274
3.0	479.875	226.623	100.124	29.692	14.274
1.0	479.813	226.900	100.091	29.705	14.274
0.0	479.781	227.038	100.074	29.705	14.274
-1.0	479.522	226.831	100.072	29.698	14.274
-3.0	479.005	226.418	100.067	29.685	14.274
-5.0	473.653	224.572	100.062	29.671	14.274
-7.0	468.516	222.800	99.132	29.658	14.274
-9.0	461.867	220.594	98.522	29.645	14.274
-11.0	453.726	217.962	97.762	29.631	14.273
-13.0	444.119	214.915	96.852	29.222	14.273
-15.0	433.073	211.465	95.792	29.079	14.273
-17.0	420.620	207.623	94.583	28.918	14.273
-19.5	403.129	202.287	92.866	28.691	14.272
-22.5	379.414	195.135	90.506	28.384	14.271
-25.5	352.854	187.205	87.826	28.039	14.271
-29.0	318.467	177.026	84.304	27.589	14.270
-33.0	290.239	164.256	79.773	27.015	14.269
-37.5	256.828	149.541	74.061	26.297	14.267
-42.5	216.131	133.908	66.994	25.416	14.266
-47.5	187.532	116.980	59.223	24.451	14.264
-55.0	144.072	91.665	49.807	22.867	14.260
-65.0	91.692	59.843	36.260	20.540	14.256
-75.0	48.316	35.362	25.154	18.030	14.251
-85.0	21.308	19.502	17.590	15.411	14.245
-90.0	13.184	13.461	13.774	14.087	14.243

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6294.41

Total Field Lumens (one side of beam only) = 4372.26

* 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	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
75	0.19	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.36	0.44
65	0.49	0.98	0.98	0.98	0.98	0.97	0.96	0.95	0.93	1.14
55	1.18	2.35	2.33	2.29	2.25	2.20	2.14	2.07	2.00	2.39
47.5	1.71	3.41	3.36	3.29	3.21	3.12	3.00	2.88	2.74	3.22
42.5	1.76	3.50	3.46	3.39	3.30	3.20	3.07	2.93	2.78	3.25
37.5	2.45	4.87	4.80	4.71	4.59	4.44	4.27	4.07	3.86	4.52
33	2.94	5.83	5.74	5.62	5.45	5.24	5.01	4.78	4.54	5.32
29	3.46	6.85	6.71	6.49	6.23	5.95	5.67	5.37	5.06	5.86
25.5	4.06	8.03	7.85	7.57	7.21	6.83	6.41	5.94	5.45	6.21
22.5	4.87 *	9.61 *	9.32 *	8.89 *	8.31 *	7.62	6.96	6.38	5.79	6.44
19.5	6.90 *	13.50 *	12.88 *	12.10 *	11.23 *	10.18 *	9.13 *	8.13	7.17	7.81
17	8.13 *	15.89 *	15.07 *	13.97 *	12.67 *	11.18 *	9.83 *	8.63 *	7.41 *	7.80
15	8.58 *	16.78 *	15.95 *	14.74 *	13.19 *	11.44 *	9.74 *	8.33 *	7.14 *	7.32 *
13	11.07 *	21.57 *	20.28 *	18.41 *	16.33 *	14.27 *	12.07 *	9.93 *	8.26 *	8.44 *
11	14.23 *	27.62 *	25.79 *	23.15 *	20.17 *	17.26 *	14.58 *	11.97 *	9.56 *	9.54 *
9	17.39 *	33.72 *	31.47 *	28.41 *	24.76 *	20.79 *	17.13 *	14.04 *	11.14 *	10.73 *
7	20.54 *	39.71 *	36.96 *	33.37 *	29.20 *	24.56 *	19.85 *	15.92 *	12.70 *	12.00 *
5	23.71 *	45.58 *	42.12 *	37.90 *	33.06 *	27.87 *	22.48 *	17.68 *	13.96 *	13.03 *
3	25.67 *	49.64 *	46.29 *	41.63 *	36.09 *	30.35 *	24.58 *	19.13 *	14.87 *	13.85 *
1	26.42 *	51.41 *	48.79 *	44.13 *	37.95 *	31.84 *	25.83 *	20.00 *	15.41 *	14.41 *
0	13.47 *	26.05 *	24.76 *	22.49 *	19.29 *	16.17 *	13.12 *	10.14 *	7.79 *	7.31 *
-1	13.41 *	25.94 *	24.66 *	22.39 *	19.21 *	16.10 *	13.07 *	10.10 *	7.76 *	7.28 *
	25.88 *	50.48 *	47.94 *	43.38 *	37.31 *	31.30 *	25.41 *	19.69 *	15.19 *	14.23 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	24.56 *	47.75 *	44.68 *	40.21 *	34.84 *	29.32 *	23.80 *	18.55 *	14.45 *	13.51 *
-5	22.18 *	42.93 *	39.88 *	35.92 *	31.34 *	26.49 *	21.42 *	16.88 *	13.39 *	12.56 *
-7	18.76 *	36.53 *	34.21 *	31.00 *	27.24 *	23.01 *	18.63 *	14.99 *	12.03 *	11.43 *
-9	15.50 *	30.30 *	28.53 *	25.96 *	22.78 *	19.20 *	15.88 *	13.09 *	10.45 *	10.14 *
-11	12.47 *	24.43 *	23.05 *	20.86 *	18.29 *	15.74 *	13.38 *	11.06 *	8.90 *	8.95 *
-13	9.58 *	18.82 *	17.88 *	16.37 *	14.63 *	12.90 *	11.00 *	9.11 *	7.64 *	7.89 *
-15	7.35 *	14.50 *	13.93 *	13.00 *	11.75 *	10.28 *	8.82 *	7.62 *	6.59 *	6.83 *
-17	6.97 *	13.72 *	13.13 *	12.29 *	11.25 *	10.01 *	8.89 *	7.89 *	6.85 *	7.28
-19.5	5.94 *	11.71 *	11.26 *	10.68 *	10.00 *	9.16 *	8.29 *	7.46	6.64	7.30
-22.5	4.28 *	8.48 *	8.28 *	7.95	7.50	6.93	6.37	5.88	5.38	6.03
-25.5	3.65	7.24	7.11	6.88	6.60	6.28	5.91	5.51	5.09	5.83
-29	3.16	6.28	6.16	5.98	5.76	5.52	5.27	5.00	4.72	5.49
-33	2.71	5.38	5.31	5.20	5.06	4.87	4.67	4.45	4.23	4.96
-37.5	2.25	4.47	4.42	4.34	4.23	4.10	3.94	3.76	3.56	4.17
-42.5	1.59	3.17	3.13	3.08	3.00	2.91	2.80	2.67	2.53	2.97
-47.5	1.52	3.03	2.99	2.94	2.87	2.79	2.69	2.58	2.46	2.90
-55	1.03	2.06	2.05	2.02	1.99	1.95	1.90	1.85	1.79	2.15
-65	0.43	0.87	0.88	0.88	0.88	0.87	0.87	0.86	0.85	1.05
-75	0.17	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.41
-85	0.03	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.07
-90										
Total	382.66	745.80	705.24	645.69	572.83	496.04	419.67	349.08	289.85	294.56

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.08	0.08	0.09	0.10	0.10	0.10	0.09	0.12	0.12	0.08
85	0.52	0.50	0.55	0.58	0.59	0.56	0.47	0.54	0.47	0.24
75	1.33	1.28	1.42	1.48	1.46	1.35	1.07	1.16	0.90	0.40
65	2.70	2.50	2.66	2.70	2.63	2.39	1.88	2.02	1.50	0.61
55	3.57	3.24	3.34	3.28	3.07	2.69	2.05	2.16	1.57	0.62

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

47.5										
	3.59	3.24	3.30	3.18	2.89	2.45	1.79	1.79	1.27	0.49
42.5	4.96	4.43	4.48	4.27	3.81	3.16	2.25	2.15	1.46	0.55
37.5	5.83	5.20	5.25	4.96	4.36	3.57	2.48	2.30	1.49	0.55
33	6.36	5.67	5.74	5.41	4.72	3.80	2.59	2.34	1.46	0.52
29	6.66	5.82	5.85	5.54	4.82	3.84	2.59	2.30	1.39	0.49
25.5	6.72	5.76	5.67	5.32	4.64	3.69	2.47	2.16	1.28	0.43
22.5	7.91	6.58	6.35	5.84	5.09	4.04	2.68	2.31	1.35	0.45
19.5	7.68	6.20	5.82	5.29	4.56	3.61	2.37	2.04	1.18	0.38
17	6.97	5.50	5.05	4.50	3.83	3.03	1.99	1.70	0.97	0.31
15	7.82	6.00	5.43	4.72	3.98	3.16	2.08	1.76	0.99	0.32
13	8.70 *	6.47	5.79	4.93	4.13	3.27	2.15	1.81	1.01	0.32
11	9.57 *	7.00	6.10	5.12	4.28	3.37	2.21	1.86	1.03	0.33
9	10.41 *	7.53	6.37	5.30	4.40	3.45	2.27	1.89	1.04	0.33
7	11.07 *	7.96 *	6.61	5.48	4.50	3.51	2.31	1.92	1.05	0.33
5	11.63 *	8.26 *	6.79	5.62	4.57	3.56	2.33	1.94	1.06	0.33
3	12.05 *	8.43 *	6.90	5.70	4.61	3.58	2.35	1.95	1.06	0.33
1	6.10 *	4.24 *	3.47	2.86	2.31	1.79	1.18	0.98	0.53	0.17
0	6.09 *	4.23 *	3.46	2.86	2.31	1.79	1.18	0.97	0.53	0.17
-1	11.92 *	8.36 *	6.85	5.67	4.60	3.57	2.34	1.94	1.06	0.33
-3	11.39 *	8.12 *	6.71	5.56	4.54	3.53	2.32	1.93	1.05	0.33
-5	10.73 *	7.77 *	6.49	5.40	4.45	3.48	2.28	1.90	1.04	0.33
-7	10.01 *	7.31	6.22	5.21	4.34	3.40	2.24	1.87	1.03	0.33
-9	9.13 *	6.75	5.93	5.01	4.20	3.31	2.18	1.83	1.01	0.32
-11	8.25 *	6.21	5.60	4.80	4.04	3.20	2.11	1.78	1.00	0.32
-13	7.40	5.74	5.24	4.58	3.88	3.08	2.03	1.72	0.98	0.32
-15	6.57	5.25	4.85	4.36	3.72	2.95	1.94	1.66	0.95	0.31
-17	7.24	5.91	5.59	5.10	4.41	3.49	2.30	1.98	1.15	0.38
-19.5	7.46	6.26	6.07	5.61	4.90	3.89	2.58	2.24	1.32	0.44

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

-22.5	6.34	5.47	5.41	5.08	4.44	3.54	2.37	2.08	1.25	0.43
-25.5	6.28	5.52	5.56	5.27	4.58	3.65	2.48	2.21	1.35	0.48
-29	5.98	5.34	5.42	5.11	4.46	3.59	2.46	2.24	1.42	0.51
-33	5.44	4.86	4.92	4.65	4.09	3.36	2.35	2.19	1.44	0.53
-37.5	4.58	4.10	4.15	3.96	3.55	2.96	2.12	2.05	1.41	0.54
-42.5	3.28	2.96	3.03	2.92	2.67	2.28	1.68	1.69	1.22	0.48
-47.5	3.23	2.94	3.05	3.00	2.83	2.51	1.93	2.05	1.51	0.60
-55	2.44	2.28	2.44	2.50	2.45	2.24	1.77	1.91	1.43	0.60
-65	1.22	1.18	1.32	1.39	1.37	1.27	1.01	1.10	0.86	0.39
-75	0.48	0.46	0.51	0.54	0.55	0.52	0.44	0.51	0.45	0.24
-85	0.08	0.07	0.08	0.09	0.10	0.10	0.09	0.12	0.12	0.08
-90	0.08	0.07	0.08	0.09	0.10	0.10	0.09	0.12	0.12	0.08
Total	277.78	218.95	201.92	180.84	155.83	125.70	85.86	77.19	47.78	17.04

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.04	0.00	1.56
85			
	0.09	0.01	8.75
75			
	0.12	0.01	21.34
65			
	0.16	0.01	42.97
55			
	0.15	0.01	55.70
47.5			
	0.11	0.01	54.75
42.5			
	0.12	0.01	74.25
37.5			
	0.12	0.01	86.59
33			
	0.11	0.01	96.36
29			
	0.10	0.00	104.96
25.5			
	0.09	0.00	112.42
22.5			
	0.09	0.00	141.71
19.5			
	0.08	0.00	149.81
17			
	0.06	0.00	147.14

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

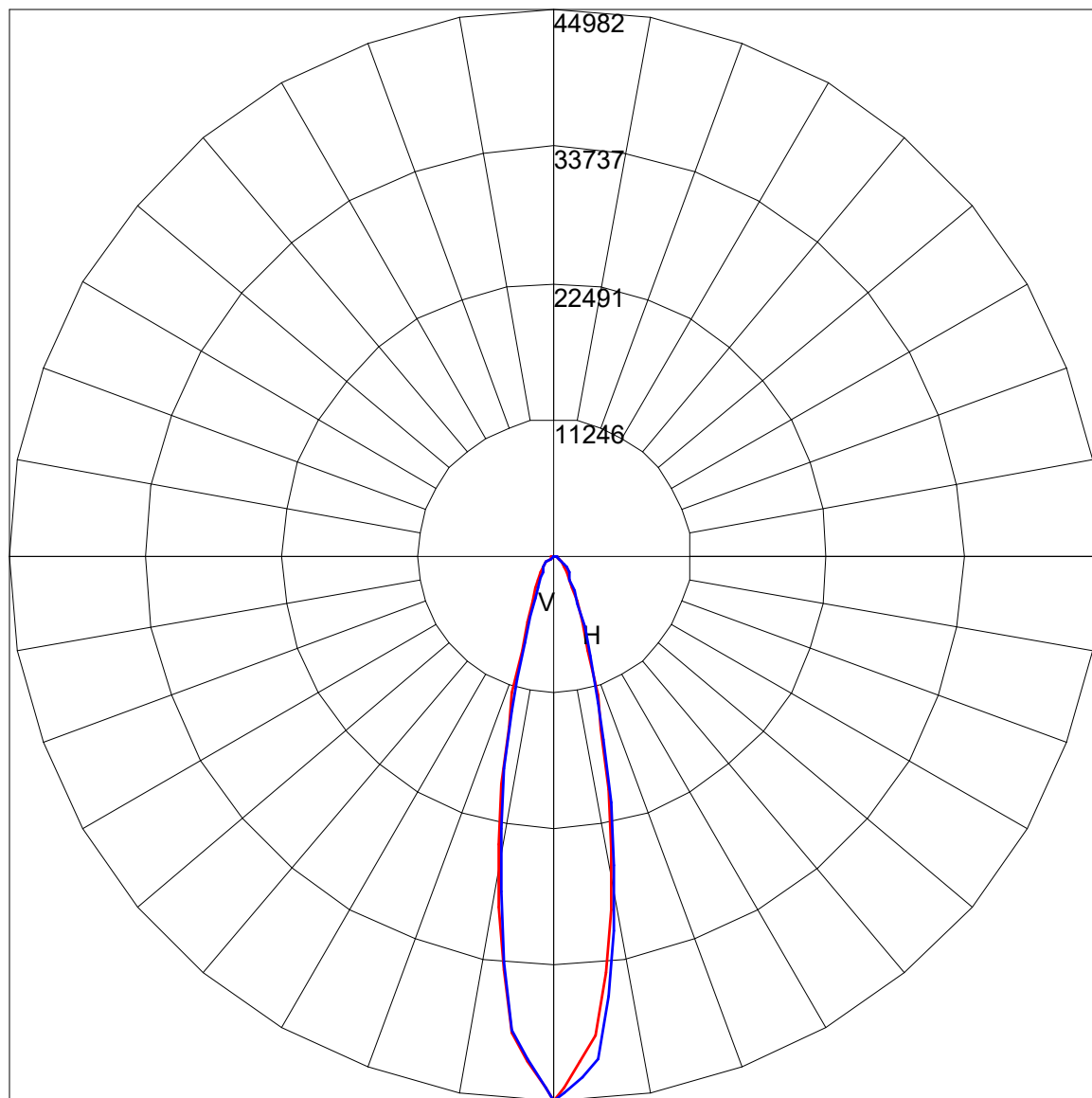
15	0.06	0.00	176.97
13	0.06	0.00	212.51
11	0.07	0.00	250.51
9	0.07	0.00	287.87
7	0.07	0.00	322.18
5	0.07	0.00	348.26
3	0.07	0.00	363.22
1	0.03	0.00	184.25
0	0.03	0.00	183.55
-1	0.07	0.00	357.54
-3	0.07	0.00	337.23
-5	0.07	0.00	306.94
-7	0.07	0.00	269.85
-9	0.07	0.00	231.56
-11	0.06	0.00	194.51
-13	0.06	0.00	160.85
-15	0.06	0.00	133.30
-17	0.08	0.00	135.91
-19.5	0.09	0.00	129.31
-22.5	0.09	0.00	103.58
-25.5	0.10	0.00	97.58
-29	0.11	0.01	90.01
-33	0.12	0.01	80.80
-37.5	0.12	0.01	68.76
-42.5	0.11	0.01	50.17
-47.5	0.15	0.01	50.57
-55	0.16	0.01	39.04
-65	0.12	0.01	19.68

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

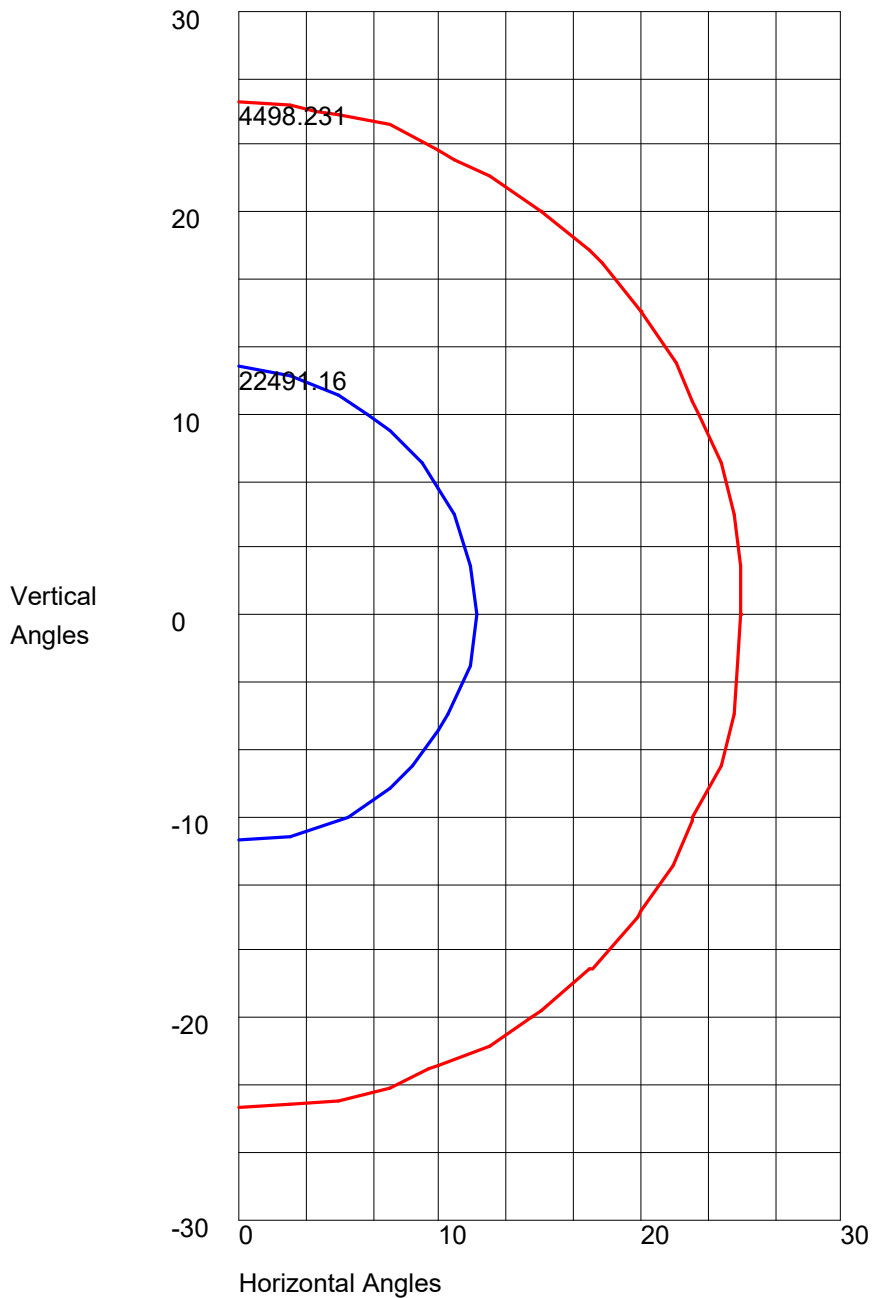
-75	0.09	0.01	8.09
-85	0.04	0.00	1.50
-90			
Total	3.89	0.21	6294.4

AXIAL CANDELA DISPLAY



Maximum Candela = 44982.316 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 44982.316 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 22491.158
10% Maximum Candela = 4498.2316



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194008
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-38NF
[LUMINAIRE] 100W 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	26501.481
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	13500 (1 lamp)
Total Lamp Lumens	13500
Beam Lumens	6076
Beam Efficiency	45 %
Field Lumens	11025
Field Efficiency	82 %
Spill Lumens	2022
Luminaire Lumens	13047
Total Efficiency	97 %
Total Luminaire Watts	100
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	55.814	75	38.077
65	171.794	65	116.608
55	438.51	55	320.07
47.5	830.463	47.5	562.883
42.5	1299.754	42.5	852.678
37.5	2231.025	37.5	1430.297
33	3836.005	33	2417.994
29	6037.289	29	3929.051
25.5	8653.619	25.5	5981.194
22.5	11483.323	22.5	8412.296
19.5	14479.826	19.5	11095.696
17	17182.626	17	13823
15	19344.866	15	16004.843
13	21157.173	13	18206.505
11	22969.48	11	20408.166
9	24374.613	9	22273.665
7	25372.57	7	23803.002
5	26370.527	5	25332.338
3	26422.909	3	25799.995
1	26475.29	1	26267.652
0	26501.481	0	26501.481
-1	26014.383	-1	26259.282
-3	25040.187	-3	25774.885
-5	24065.991	-5	25290.487
-7	22327.127	-7	23890.755
-9	20588.262	-9	22491.023
-11	18660.931	-11	20822.091
-13	16545.132	-13	18883.96
-15	14429.334	-15	16945.828
-17	12477.972	-17	14911.032
-19.5	10038.77	-19.5	12367.538
-22.5	7682.527	-22.5	9728.46
-25.5	5563.92	-25.5	7286.773
-29	3812.487	-29	5107.617
-33	2444.536	-33	3343.588
-37.5	1528.102	-37.5	2061.324
-42.5	987.562	-42.5	1282.865
-47.5	655.922	-47.5	883.176
-55	364.108	-55	488.435
-65	114.842	-65	127.373
-75	25.609	-75	22.355
-85	0	-85	0
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

CANDELA TABULATION

Maximum Candela = 26501.481

Beam Edge = 13250.7405 Cd (50% of Max.)

Field Edge = 2650.1481 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	1.223	4.134	7.364	13.121	18.595	23.231	27.058
65.0	0.000	0.000	1.018	6.104	26.173	46.680	61.756	76.009	86.661	94.251
55.0	0.000	0.000	2.746	24.294	66.236	99.099	117.899	151.961	179.330	201.795
47.5	0.000	0.000	4.123	41.974	97.775	154.848	200.445	263.774	315.453	358.588
42.5	0.000	0.000	8.441	54.685	117.848	201.870	280.307	355.068	419.429	471.708
37.5	0.000	0.000	12.334	66.214	154.259	269.640	360.391	450.784	551.062	644.745
33.0	0.000	0.000	15.448	76.381	184.850	328.407	434.711	561.443	690.503	863.126
29.0	0.000	0.000	17.890	84.891	211.131	381.317	499.791	667.509	874.586	1082.011
25.5	0.000	0.000	19.764	91.566	241.966	425.435	576.433	776.502	1031.898	1368.237
22.5	0.000	0.000	21.171	96.681	266.116	460.278	637.879	889.987	1201.154	1607.091
19.5	0.000	0.000	22.389	101.209	287.993	492.110	694.849	995.066	1402.550	1905.033
17.0	0.000	0.000	23.259	104.517	304.372	520.424	738.493	1075.409	1556.452	2257.746
15.0	0.000	0.000	23.859	106.849	316.196	546.573	782.759	1135.835	1668.934	2518.836
13.0	0.000	0.000	24.373	108.894	326.833	570.277	827.294	1223.222	1771.145	2757.077 *
11.0	0.000	0.000	24.800	110.648	336.238	591.402	866.956	1300.657	1924.090	2970.276 *
9.0	0.000	0.000	25.141	112.103	344.367	609.818	901.494	1367.629	2081.498	3156.212 *
7.0	0.000	0.000	25.396	113.256	351.178	625.397	930.670	1423.663	2212.507	3365.527 *
5.0	0.000	0.000	25.830	114.101	356.633	638.019	954.264	1468.335	2315.709	3570.807 *
3.0	0.000	0.000	25.742	114.992	362.332	647.571	972.072	1501.281	2389.874	3714.562 *
1.0	0.000	0.000	25.653	114.892	363.515	653.951	983.920	1522.211	2433.991	3795.620 *
0.0	0.000	0.000	25.609	114.842	364.108	655.922	987.562	1528.102	2444.536	3812.487 *
-1.0	0.000	0.000	25.648	115.005	365.186	657.965	990.089	1532.082	2450.358	3820.309 *
-3.0	0.000	0.000	25.727	115.330	367.340	659.551	990.494	1530.652	2438.438	3788.080 *
-5.0	0.000	0.000	25.806	114.652	364.839	657.780	984.692	1516.481	2394.878	3691.530 *
-7.0	0.000	0.000	25.362	114.011	362.470	652.637	972.699	1489.403	2319.693	3530.839 *
-9.0	0.000	0.000	25.098	113.044	358.549	644.120	954.565	1449.355	2213.216	3361.156 *
-11.0	0.000	0.000	24.748	111.753	353.064	632.242	930.375	1396.380	2076.077	3207.552 *
-13.0	0.000	0.000	24.311	110.139	346.008	617.034	900.241	1330.624	1939.701	3019.694 *
-15.0	0.000	0.000	23.788	108.201	337.380	598.535	864.305	1252.323	1852.473	2799.245 *
-17.0	0.000	0.000	23.179	105.943	327.184	576.803	827.488	1202.332	1750.983	2548.073
-19.5	0.000	0.000	22.299	102.673	312.248	552.918	791.033	1132.969	1604.988	2196.388
-22.5	0.000	0.000	21.067	98.104	291.155	524.650	739.948	1037.651	1403.822	1893.725
-25.5	0.000	0.000	19.649	92.843	266.673	491.268	681.279	930.141	1230.175	1641.074
-29.0	0.000	0.000	17.761	85.856	233.959	446.103	603.889	819.074	1070.577	1324.271
-33.0	0.000	0.000	15.305	76.791	204.776	388.615	533.256	704.052	876.692	1091.933
-37.5	0.000	0.000	12.175	66.054	168.911	321.167	445.930	577.890	719.309	851.116
-42.5	0.000	0.000	8.268	54.466	124.058	238.439	346.784	457.232	559.302	647.849
-47.5	0.000	0.000	3.937	41.685	101.364	175.936	243.231	336.381	418.167	491.313
-55.0	0.000	0.000	2.600	23.924	65.917	102.344	125.139	177.176	222.544	262.339
-65.0	0.000	0.000	0.960	5.720	25.346	44.599	58.613	71.604	83.066	92.369
-75.0	0.000	0.000	0.000	1.120	3.698	6.519	11.757	16.534	20.416	23.456
-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-90W-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	29.514	31.378	33.017	34.209	35.048	35.784	36.418	36.949	37.378	38.020
65.0	99.342	102.969	106.228	108.643	110.366	111.895	113.222	114.341	115.244	115.923
55.0	227.258	248.219	266.586	279.793	288.985	296.959	303.724	309.292	313.679	316.907
47.5	391.898	417.363	445.116	470.077	491.862	510.533	526.164	538.849	548.701	555.849
42.5	535.871	584.524	629.105	661.186	697.802	735.754	768.851	796.819	819.399	836.347
37.5	741.455	842.893	934.016	1005.943	1059.878	1142.698	1216.663	1280.974	1334.836	1377.475
33.0	1010.340	1170.276	1355.815	1496.342	1607.147	1709.603	1865.288	2027.557	2164.680	2274.592
29.0	1357.635	1586.421	1873.900	2212.133	2463.875	2709.544	*2933.487	*3132.919	*3369.595	*3612.923 *
25.5	1682.431	2154.066	2650.973	*3029.082	*3480.080	*3987.418	*4466.046	*4892.218	*5259.150	*5559.990 *
22.5	2163.790	2744.273	*3427.295	*4229.698	*4828.115	*5381.187	*5938.372	*6638.027	*7240.601	*7733.693 *
19.5	2670.226	*3432.488	*4552.587	*5436.645	*6255.551	*7176.731	*8017.143	*8824.042	*9532.791	*10123.779 *
17.0	3056.168	*4216.552	*5412.853	*6665.499	*7745.421	*8761.282	*9699.209	*10762.380	*11774.061	*12618.794 *
15.0	3502.362	*4785.147	*6191.718	*7699.813	*8854.873	*10009.982	*11323.366	*12517.896	*13629.785	*14590.487 *
13.0	3981.698	*5304.771	*7051.734	*8643.911	*9932.358	*11449.899	*12882.983	*14205.966	*15416.852	*16543.917 *
11.0	4405.486	*5797.742	*7823.135	*9482.838	*11125.337	*12753.003	*14311.447	*15821.945	*17205.512	*18453.452 *
9.0	4769.142	*6402.101	*8502.826	*10410.994	*12154.967	*13888.176	*15629.490	*17329.586	*18888.760	*20257.122 *
7.0	5068.417	*6897.530	*9061.323	*11223.013	*13049.545	*14865.495	*16773.258	*18634.699	*20361.257	*21614.512 *
5.0	5299.642	*7276.524	*9487.529	*11846.584	*13741.588	*15708.974	*17713.666	*19676.354	*21297.387	*22750.305 *
3.0	5459.972	*7533.313	*9836.259	*12263.813	*14203.593	*16275.452	*18364.164	*20334.954	*21994.887	*23606.002 *
1.0	5547.605	*7664.436	*10019.453	*12462.408	*14449.626	*16535.156	*18656.811	*20597.176	*22334.942	*24157.374 *
0.0	5563.920	*7682.527	*10038.770	*12477.972	*14429.334	*16545.132	*18660.931	*20588.262	*222327.127	*24065.991 *
-1.0	5579.823	*7700.259	*10057.267	*12494.935	*14476.291	*16550.055	*18655.168	*20581.193	*222310.191	*24116.759 *
-3.0	5555.806	*7640.615	*9951.205	*12363.562	*14287.102	*16326.670	*18369.365	*20290.520	*21927.519	*23504.985 *
-5.0	5456.684	*7454.815	*9682.376	*12019.731	*13890.245	*15814.465	*17752.739	*19625.763	*21233.763	*22683.222 *
-7.0	5282.827	*7146.040	*9332.304	*11478.899	*13275.831	*15050.739	*16892.899	*18691.060	*20353.245	*21608.203 *
-9.0	5035.882	*6719.838	*8848.367	*10761.008	*12474.196	*14182.492	*15885.688	*17530.660	*19033.303	*20350.509 *
-11.0	4718.596	*6183.561	*8241.478	*9934.489	*11559.299	*13167.944	*14712.808	*16192.815	*17536.439	*18767.672 *
-13.0	4334.586	*5738.963	*7540.718	*9170.448	*10486.339	*11990.837	*13416.984	*14741.139	*15956.757	*17089.554 *
-15.0	3888.071	*5256.975	*6748.353	*8297.219	*9491.106	*10681.419	*11994.181	*13196.457	*14334.124	*15339.077 *
-17.0	3464.560	*4718.117	*6015.909	*7330.036	*8450.234	*9512.265	*10502.984	*11588.530	*12631.136	*13521.458 *
-19.5	3083.279	*3961.077	*5182.174	*6159.704	*7040.614	*8008.241	*8900.674	*9765.527	*10542.339	*11210.574 *
-22.5	2559.827	3262.618	*4072.725	*4964.173	*5638.646	*6271.925	*6904.022	*7653.766	*8313.864	*8870.980 *
-25.5	2044.255	2625.604	3252.324	*3749.246	*4280.148	*4855.928	*5400.721	*5895.152	*6331.487	*6701.695 *
-29.0	1680.462	1990.419	2376.487	2817.398	*3153.319	*3479.901	*3783.376	*4060.015	*4362.203	*4661.656 *
-33.0	1280.844	1496.024	1757.901	1965.696	2131.368	2289.417	2507.185	2731.816	*2927.553	*3091.450 *
-37.5	983.614	1118.781	1245.288	1347.500	1426.481	1551.145	1666.183	1770.159	1861.589	1938.972
-42.5	742.503	817.616	888.573	943.663	999.773	1057.192	1109.336	1155.770	1196.063	1229.797
-47.5	552.530	601.833	650.180	691.539	726.221	757.897	786.448	811.763	833.742	852.291
-55.0	305.785	341.444	373.649	397.670	414.990	430.588	444.435	456.506	466.781	475.246
-65.0	99.042	104.168	109.002	112.745	115.518	118.065	120.362	122.382	124.100	125.491
-75.0	24.352	24.892	25.223	25.338	25.326	25.221	25.025	24.738	24.362	24.162
-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	38.043	38.066	38.077	38.488	39.308	40.129	40.286	40.650	40.883	40.979
65.0	116.645	116.620	116.608	116.997	117.775	117.782	117.812	117.586	117.100	116.354

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	320.208	320.116	320.070	321.009	322.887	321.423	320.068	317.618	314.072	309.429
47.5	560.439	562.632	562.883	565.257	568.225	568.527	565.830	559.818	550.202	536.720
42.5	847.439	852.480	852.678	858.670	865.796	866.240	859.788	846.273	825.576	797.626
37.5	1408.156	1426.203	1430.297	1442.115	1455.099	1453.083	1435.235	1400.879	1349.502	1280.765
33.0	2355.346	2405.169	2417.994	2443.805	2468.876	2455.972	2402.438	2306.185	2165.731	2018.962
29.0	3791.503	*3901.170	*3929.051	*3976.562	*4013.539	*3969.381	*3840.743	*3696.526	*3566.390	*3381.870 *
25.5	5788.131	*5937.584	*5981.194	*6059.632	*6148.346	*6140.966	*6033.074	*5822.482	*5509.162	*5095.016 *
22.5	8105.340	*8344.856	*8412.296	*8514.895	*8607.701	*8545.751	*8326.674	*7952.006	*7426.699	*6949.180 *
19.5	10646.089	*10997.818	*1095.696	*11227.856	*11326.662	*11225.515	*11000.893	*10593.187	*10007.697	*9198.176 *
17.0	13268.694	*13697.872	*13823.000	*13985.484	*14117.415	*13988.367	*13603.646	*12977.795	*12096.209	*11196.150 *
15.0	15342.906	*15886.776	*16004.843	*16234.552	*16364.954	*16230.476	*15804.267	*15073.386	*14021.891	*12799.235 *
13.0	17428.593	*18026.435	*18206.505	*18407.727	*18563.963	*18410.067	*17981.061	*17084.165	*15908.966	*14561.585 *
11.0	19483.846	*20192.386	*20408.166	*20619.240	*20749.670	*20519.169	*19905.487	*18923.576	*17703.755	*16217.785 *
9.0	21329.207	*22039.855	*22273.665	*22501.904	*22730.864	*22595.631	*21703.561	*20564.814	*19264.301	*17739.258 *
7.0	22706.161	*23538.452	*23803.002	*24012.656	*24151.434	*23891.634	*23323.658	*22052.784	*20597.128	*19027.394 *
5.0	23990.616	*25090.766	*25332.338	*25579.516	*25491.932	*24947.791	*24242.836	*23316.347	*21655.158	*19952.948 *
3.0	24803.730	*25513.264	*25799.995	*26016.678	*26193.733	*25829.829	*24918.670	*23967.702	*22416.720	*20635.882 *
1.0	25055.567	*25935.575	*26267.652	*26398.778	*26387.211	*26340.066	*25291.619	*24293.966	*22867.018	*21052.312 *
0.0	25040.187	*26014.383	*26501.481	*26475.290	*26422.909	*26370.527	*25372.570	*24374.613	*22969.480	*21157.173 *
-1.0	25013.631	*25904.264	*26259.282	*26342.837	*26307.009	*26262.391	*25236.221	*24251.130	*22840.887	*21044.329 *
-3.0	24709.822	*25458.974	*25774.885	*25932.992	*26025.928	*25624.636	*24760.805	*23843.278	*22348.613	*20618.499 *
-5.0	23905.293	*25021.903	*25290.487	*25482.114	*25315.751	*24767.679	*24051.782	*23133.898	*21572.500	*19944.243 *
-7.0	22716.841	*23594.333	*23890.755	*24037.971	*24067.356	*23748.476	*23167.412	*21958.633	*20557.787	*19053.004 *
-9.0	21449.986	*22219.563	*22491.023	*22650.232	*22755.645	*22528.688	*21688.781	*20605.912	*19354.000	*17874.381 *
-11.0	19811.699	*20567.211	*20822.091	*20965.417	*20993.397	*20698.613	*20073.008	*19129.530	*17947.399	*16501.288 *
-13.0	18003.311	*18660.633	*18883.960	*19017.685	*19067.073	*18839.774	*18365.018	*17474.564	*16323.244	*15006.227 *
-15.0	16153.956	*16777.236	*16945.828	*17104.003	*17116.875	*16891.633	*16407.531	*15656.981	*14618.081	*13415.971 *
-17.0	14232.905	*14740.390	*14911.032	*15016.073	*15048.357	*14843.621	*14410.067	*13763.367	*12875.348	*11934.907 *
-19.5	11799.862	*12226.665	*12367.538	*12453.446	*12472.412	*12304.197	*12007.613	*11544.644	*10921.702	*10070.568 *
-22.5	9311.815	*9623.990	*9728.460	*9797.185	*9824.548	*9703.282	*9434.245	*9021.540	*8471.946	*7938.430 *
-25.5	6997.788	*7212.254	*7286.773	*7341.820	*7380.913	*7322.018	*7162.867	*6903.185	*6544.545	*6090.102 *
-29.0	4894.506	*5055.510	*5107.617	*5140.682	*5146.137	*5068.282	*4905.314	*4718.094	*4533.291	*4292.612 *
-33.0	3220.649	*3312.465	*3343.588	*3361.824	*3366.419	*3326.795	*3241.343	*3109.006	*2929.291	*2740.766 *
-37.5	2000.816	2045.683	2061.324	2069.708	2071.822	2053.780	2014.995	1955.062	1873.755	1771.032
-42.5	1256.569	1276.005	1282.865	1287.088	1289.550	1283.883	1269.948	1247.658	1216.978	1177.919
-47.5	867.333	878.799	883.176	884.759	885.059	881.325	873.326	860.853	843.722	821.779
-55.0	483.944	486.937	488.435	489.078	490.364	486.030	481.986	476.238	468.827	459.804
-65.0	126.980	127.242	127.373	128.336	130.263	130.904	131.600	131.890	131.777	131.265
-75.0	23.439	22.716	22.355	22.974	24.213	25.451	26.148	27.018	27.787	28.450
-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	40.931	40.735	40.272	39.384	38.118	36.147	32.535	27.788	21.724	14.854
65.0	115.345	114.073	112.112	109.216	105.731	101.153	95.134	87.098	77.190	65.578
55.0	303.693	296.872	286.836	272.613	256.158	235.628	211.262	179.675	139.317	121.210
47.5	519.138	497.255	473.127	447.215	422.675	388.849	345.690	301.855	247.291	191.754
42.5	762.397	726.827	696.422	649.808	594.928	518.811	462.987	392.543	322.435	254.226
37.5	1194.492	1145.979	1075.963	976.063	858.442	743.557	629.014	506.114	403.545	318.457
33.0	1930.080	1820.256	1654.133	1415.232	1211.110	1034.222	816.998	652.096	493.858	374.581
29.0	3143.150	*2846.320	*2408.309	2032.403	1724.747	1333.762	1071.158	799.640	577.088	437.583
25.5	4571.164	*4047.298	*3566.556	*2895.821	*2232.089	1784.685	1295.000	954.511	685.800	494.860

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CANDELA TABULATION - (Cont.)

22.5	6356.786	*5675.789	*4711.948	*3817.730	*2992.329	*2174.666	1561.057	1116.815	773.182	541.242
19.5	8258.202	*7361.355	*6299.835	*4877.810	*3817.025	*2670.629	*1896.299	1269.252	854.460	584.720
17.0	10158.493	9001.942	*7571.066	*6038.172	*4471.383	*3258.602	*2162.791	1387.550	916.974	624.898
15.0	11626.185	*0379.519	8682.683	*6916.005	*5167.499	*3702.225	*2365.170	1478.589	981.760	662.876
13.0	13075.882	*1688.353	9874.930	*7737.142	*5901.775	*4115.680	*2556.099	1632.168	1047.856	697.544
11.0	14602.730	*2912.714	*0968.517	8504.344	*6566.516	*4494.955	*2828.370	*1772.149	1107.429	728.724
9.0	15989.176	*4133.448	*1937.462	9353.865	*7154.177	*4835.757	*3109.183	*1897.030	1160.046	756.241
7.0	17152.924	*5189.500	*2775.073	*0080.211	7657.187	*5199.231	*3350.155	*2005.269	1205.281	779.927
5.0	18098.717	*6045.321	*3463.727	*10670.802	8068.283	*5549.429	*3548.127	*2095.316	1242.723	799.624
3.0	18799.677	*6679.569	*4018.457	*1114.180	8380.896	*5812.800	*3700.109	*2165.646	1271.981	815.180
1.0	19268.226	*7076.246	*4379.077	*1400.899	8589.569	*5985.667	*3803.384	*2214.807	1292.699	826.463
0.0	19344.866	*7182.626	*4479.826	*1483.323	8653.619	*6037.289	*3836.005	*2231.025	1299.754	830.463
-1.0	19273.257	*7093.290	*4407.222	*1433.338	8623.550	*6017.940	*3828.761	*2230.522	1301.135	831.748
-3.0	18820.713	*6734.440	*4105.458	*1212.231	8482.873	*5909.654	*3775.754	*2212.260	1297.137	830.962
-5.0	18150.288	*6148.673	*3615.682	*10836.603	8238.364	*5710.958	*3672.600	*2171.246	1284.149	825.686
-7.0	17256.756	*5357.435	*2994.703	*10317.130	7895.545	*5425.586	*3521.119	*2107.930	1262.236	815.912
-9.0	16173.112	*4385.591	*2230.818	9666.244	*7461.038	*5122.815	*3323.490	*2022.906	1231.515	801.657
-11.0	14928.515	*3277.449	*1342.394	8897.211	*6942.147	*4833.836	*3082.167	*1916.890	1192.145	782.952
-13.0	13555.043	*2163.048	*10344.552	8203.451	*6346.470	*4500.050	*2842.545	*1790.704	1144.327	759.851
-15.0	12226.194	*10961.664	9253.768	*7454.138	*5681.565	*4125.243	*2671.747	*1645.252	1088.296	732.423
-17.0	10866.960	9689.005	*8225.366	*6640.416	*5036.659	*3713.130	*2480.779	1567.021	1032.165	700.753
-19.5	9097.814	*8154.203	*7025.484	*5547.529	*4396.497	*3147.658	*2215.807	1461.115	979.633	666.565
-22.5	7272.794	*6528.947	*5501.120	*4500.433	*3567.202	*2627.647	1861.587	1317.329	907.098	627.398
-25.5	5516.840	*4924.596	*4334.321	*3546.087	*2774.285	*2188.374	1571.414	1156.791	824.791	582.323
-29.0	3997.267	*3628.368	*3096.054	*2605.460	2182.409	1666.632	1335.824	997.593	717.292	522.637
-33.0	2606.409	2447.499	2198.845	1856.155	1575.379	1341.504	1062.102	840.395	625.099	453.153
-37.5	1647.022	1581.573	1489.455	1344.488	1181.903	1016.823	850.195	673.131	514.307	388.784
-42.5	1130.544	1081.712	1033.237	957.841	865.354	747.210	643.454	522.780	411.493	309.423
-47.5	794.898	762.979	725.200	680.544	626.319	556.017	475.687	400.507	313.143	228.070
-55.0	449.218	437.123	419.971	396.555	369.932	330.280	282.304	225.693	160.412	131.992
-65.0	130.361	129.069	126.919	123.573	119.417	112.594	101.592	88.508	75.163	60.870
-75.0	29.005	29.447	29.838	30.063	30.013	29.599	27.175	23.695	18.950	13.266
-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				
	55.0	65.0	75.0	85.0	90.0
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	10.219	3.811	0.000	0.000	0.000
65.0	45.825	17.244	3.991	0.000	0.000
55.0	90.088	46.709	11.091	0.000	0.000
47.5	126.106	68.308	16.309	0.000	0.000
42.5	150.896	82.066	23.677	0.000	0.000
37.5	199.854	94.728	30.407	0.000	0.000
33.0	241.013	107.774	35.873	0.000	0.000
29.0	275.247	119.760	40.230	0.000	0.000
25.5	305.637	129.525	43.635	0.000	0.000
22.5	329.822	137.292	46.240	0.000	0.000
19.5	352.110	144.442	48.545	0.000	0.000
17.0	369.108	149.888	50.232	0.000	0.000
15.0	381.600	153.885	51.426	0.000	0.000
13.0	393.050	157.542	52.479	0.000	0.000
11.0	403.406	160.841	53.390	0.000	0.000
9.0	412.614	163.764	54.158	0.000	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

7.0	420.623	166.293	54.782	0.000	0.000
5.0	427.382	168.410	55.719	0.000	0.000
3.0	434.404	170.619	55.757	0.000	0.000
1.0	437.140	171.402	55.795	0.000	0.000
0.0	438.510	171.794	55.814	0.000	0.000
-1.0	439.303	171.672	55.743	0.000	0.000
-3.0	440.888	171.429	55.602	0.000	0.000
-5.0	438.033	169.730	55.461	0.000	0.000
-7.0	435.312	168.096	54.427	0.000	0.000
-9.0	431.123	166.008	53.708	0.000	0.000
-11.0	425.458	163.472	52.849	0.000	0.000
-13.0	418.315	160.495	51.852	0.000	0.000
-15.0	409.694	157.083	50.719	0.000	0.000
-17.0	399.605	153.246	49.452	0.000	0.000
-19.5	384.945	147.864	47.685	0.000	0.000
-22.5	364.395	140.571	45.303	0.000	0.000
-25.5	340.695	132.401	42.643	0.000	0.000
-29.0	309.193	121.809	39.203	0.000	0.000
-33.0	271.948	108.380	34.848	0.000	0.000
-37.5	224.714	93.697	29.443	0.000	0.000
-42.5	165.673	80.230	22.854	0.000	0.000
-47.5	134.322	65.488	15.706	0.000	0.000
-55.0	87.830	43.249	10.636	0.000	0.000
-65.0	40.612	15.868	3.809	0.000	0.000
-75.0	9.129	3.489	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-90W-LED-38NF.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6523.43

Total Field Lumens (one side of beam only) = 5512.34

* 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	0.06	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.13
65	0.24	0.47	0.47	0.47	0.47	0.46	0.46	0.45	0.44	0.53
55	0.67	1.33	1.33	1.32	1.30	1.28	1.25	1.22	1.18	1.42
47.5	1.01	2.02	2.01	1.99	1.96	1.92	1.87	1.81	1.73	2.04
42.5	1.08	2.16	2.15	2.13	2.09	2.03	1.96	1.87	1.77	2.08
37.5	1.74	3.48	3.46	3.40	3.31	3.18	3.02	2.83	2.66	3.11
33	2.64	5.28	5.21	5.08	4.87	4.59	4.27	3.97	3.71	4.27
29	3.87 *	7.72 *	7.58 *	7.30 *	6.92 *	6.51 *	6.06 *	5.60	5.13	5.67
25.5	5.29 *	10.55 *	10.38 *	10.02 *	9.51 *	8.93 *	8.25 *	7.46 *	6.61 *	7.16 *
22.5	6.58 *	13.13 *	12.91 *	12.46 *	11.80 *	10.94 *	10.00 *	9.01 *	7.95 *	8.50 *
19.5	8.92 *	17.76 *	17.39 *	16.75 *	15.86 *	14.71 *	13.43 *	12.06 *	10.63 *	11.31 *
17	9.49 *	18.89 *	18.48 *	17.77 *	16.79 *	15.56 *	14.18 *	12.70 *	11.14 *	11.82 *
15	9.10 *	18.10 *	17.70 *	17.00 *	16.01 *	14.77 *	13.39 *	11.99 *	10.56 *	11.14 *
13	10.43 *	20.74 *	20.28 *	19.48 *	18.36 *	16.95 *	15.34 *	13.64 *	11.99 *	12.69 *
11	11.76 *	23.36 *	22.81 *	21.88 *	20.59 *	19.02 *	17.25 *	15.33 *	13.39 *	14.18 *
9	13.00 *	25.82 *	25.24 *	24.16 *	22.67 *	20.93 *	19.00 *	16.92 *	14.76 *	15.58 *
7	14.03 *	27.86 *	27.24 *	26.15 *	24.56 *	22.62 *	20.53 *	18.30 *	16.00 *	16.86 *
5	14.96 *	29.61 *	28.80 *	27.63 *	26.08 *	24.06 *	21.79 *	19.45 *	17.03 *	17.92 *
3	15.57 *	30.85 *	30.02 *	28.72 *	27.11 *	25.11 *	22.75 *	20.31 *	17.81 *	18.74 *
1	15.84 *	31.40 *	30.75 *	29.46 *	27.71 *	25.72 *	23.36 *	20.87 *	18.33 *	19.30 *
0	8.01 *	15.81 *	15.48 *	14.86 *	13.96 *	12.97 *	11.80 *	10.55 *	9.27 *	9.77 *
-1	8.01 *	15.79 *	15.47 *	14.85 *	13.95 *	12.97 *	11.80 *	10.55 *	9.28 *	9.78 *
	15.82 *	31.31 *	30.62 *	29.35 *	27.63 *	25.67 *	23.35 *	20.90 *	18.38 *	19.38 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

-3	15.54 *	30.72 *	29.86 *	28.56 *	26.98 *	25.04 *	22.76 *	20.37 *	17.92 *	18.91 *
-5	14.96 *	29.55 *	28.69 *	27.51 *	25.97 *	24.03 *	21.85 *	19.57 *	17.21 *	18.19 *
-7	14.11 *	27.93 *	27.23 *	26.12 *	24.59 *	22.72 *	20.69 *	18.52 *	16.27 *	17.25 *
-9	13.18 *	26.09 *	25.43 *	24.34 *	22.89 *	21.20 *	19.31 *	17.27 *	15.15 *	16.09 *
-11	12.08 *	23.91 *	23.29 *	22.32 *	21.03 *	19.49 *	17.74 *	15.84 *	13.92 *	14.83 *
-13	10.91 *	21.60 *	21.04 *	20.18 *	19.02 *	17.61 *	16.01 *	14.31 *	12.64 *	13.47 *
-15	9.70 *	19.21 *	18.71 *	17.93 *	16.89 *	15.63 *	14.23 *	12.79 *	11.32 *	12.03 *
-17	10.37 *	20.55 *	20.02 *	19.21 *	18.15 *	16.85 *	15.41 *	13.85 *	12.22 *	13.06 *
-19.5	10.09 *	19.98 *	19.48 *	18.72 *	17.71 *	16.46 *	15.08 *	13.60 *	12.05 *	12.91 *
-22.5	7.77 *	15.41 *	15.07 *	14.50 *	13.74 *	12.78 *	11.73 *	10.61 *	9.42 *	10.12 *
-25.5	6.60 *	13.10 *	12.81 *	12.33 *	11.70 *	10.98 *	10.16 *	9.22 *	8.22 *	8.92 *
-29	5.14 *	10.20 *	9.96 *	9.57 *	9.07 *	8.51 *	7.91 *	7.30 *	6.66 *	7.34 *
-33	3.70 *	7.35 *	7.20 *	6.97 *	6.66 *	6.26 *	5.81 *	5.37 *	4.99 *	5.71 *
-37.5	2.54 *	5.06 *	4.99 *	4.87 *	4.70 *	4.50 *	4.25 *	3.98 *	3.72 *	4.34 *
-42.5	1.65 *	3.28 *	3.25 *	3.19 *	3.11 *	3.01 *	2.89 *	2.76 *	2.61 *	3.06 *
-47.5	1.57 *	3.12 *	3.09 *	3.04 *	2.98 *	2.90 *	2.80 *	2.69 *	2.57 *	3.02 *
-55	0.94 *	1.87 *	1.86 *	1.83 *	1.80 *	1.76 *	1.72 *	1.66 *	1.60 *	1.90 *
-65	0.23 *	0.46 *	0.46 *	0.46 *	0.46 *	0.46 *	0.45 *	0.45 *	0.44 *	0.53 *
-75	0.03 *	0.07 *	0.07 *	0.08 *	0.08 *	0.08 *	0.08 *	0.08 *	0.08 *	0.10 *
-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	319.22	633.01	618.41	594.06	561.17	521.32	476.10	428.14	378.87	405.16

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	0.15	0.14	0.15	0.16	0.14	0.12	0.08	0.07	0.04	0.01
75	0.61	0.58	0.63	0.65	0.63	0.56	0.41	0.39	0.22	0.04
65	1.60	1.48	1.57	1.57	1.49	1.30	0.98	1.00	0.61	0.15
55	2.28	2.10	2.21	2.19	2.04	1.75	1.28	1.27	0.80	0.21

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

47.5										
	2.32	2.11	2.18	2.14	2.00	1.72	1.25	1.16	0.70	0.19
42.5										
	3.41	3.02	3.03	2.90	2.63	2.24	1.62	1.49	0.88	0.24
37.5										
	4.52	3.86	3.79	3.51	3.06	2.53	1.81	1.66	0.96	0.26
33										
	5.76	4.80	4.56	4.05	3.43	2.73	1.90	1.74	0.99	0.26
29										
	7.15 *	5.72	5.21	4.50	3.66	2.83	1.92	1.73	0.97	0.25
25.5										
	8.31 *	6.47 *	5.69	4.71	3.70	2.80	1.86	1.64	0.91	0.23
22.5										
	10.83 *	8.30 *	7.11 *	5.65	4.34	3.16	2.03	1.78	0.98	0.24
19.5										
	11.30 *	8.50 *	7.14 *	5.58	4.11	2.89	1.83	1.58	0.86	0.21
17										
	10.62 *	7.96 *	6.62 *	5.09 *	3.59	2.48	1.55	1.33	0.72	0.17
15										
	12.06 *	9.04 *	7.50 *	5.60 *	3.87	2.66	1.65	1.39	0.74	0.18
13										
	13.45 *	10.06 *	8.34 *	6.11 *	4.20	2.85	1.73	1.45	0.76	0.18
11										
	14.78 *	11.05 *	9.09 *	6.63 *	4.56	3.02	1.81	1.49	0.78	0.18
9										
	16.00 *	11.98 *	9.76 *	7.13 *	4.88	3.18	1.88	1.54	0.79	0.19
7										
	17.00 *	12.73 *	10.37 *	7.60 *	5.15 *	3.30	1.93	1.57	0.81	0.19
5										
	17.79 *	13.32 *	10.86 *	7.99 *	5.37 *	3.40	1.98	1.60	0.82	0.19
3										
	18.33 *	13.71 *	11.20 *	8.26 *	5.52 *	3.48	2.01	1.62	0.82	0.19
1										
	9.29 *	6.95 *	5.68 *	4.20 *	2.80 *	1.76	1.01	0.82	0.41	0.10
0										
	9.31 *	6.96 *	5.70 *	4.21 *	2.81 *	1.76	1.02	0.82	0.41	0.10
-1										
	18.45 *	13.82 *	11.32 *	8.36 *	5.60 *	3.52	2.03	1.64	0.83	0.19
-3										
	18.02 *	13.54 *	11.10 *	8.19 *	5.52 *	3.50	2.03	1.64	0.83	0.19
-5										
	17.36 *	13.07 *	10.72 *	7.90 *	5.37 *	3.44	2.01	1.63	0.82	0.19
-7										
	16.48 *	12.42 *	10.22 *	7.52 *	5.16 *	3.35	1.97	1.61	0.82	0.19
-9										
	15.38 *	11.61 *	9.64 *	7.11 *	4.89	3.23	1.93	1.58	0.81	0.18
-11										
	14.18 *	10.72 *	8.98 *	6.66 *	4.58	3.09	1.87	1.55	0.79	0.18
-13										
	12.91 *	9.79 *	8.22 *	6.20 *	4.29	2.92	1.80	1.51	0.78	0.18
-15										
	11.58 *	8.79 *	7.41 *	5.73 *	4.04	2.76	1.73	1.46	0.76	0.17
-17										
	12.61 *	9.61 *	8.17 *	6.41 *	4.69	3.28	2.06	1.75	0.92	0.21
-19.5										
	12.49 *	9.67 *	8.34 *	6.64	5.05	3.66	2.34	2.00	1.05	0.24

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

-22.5	9.95 *	7.79 *	6.86 *	5.65	4.41	3.32	2.17	1.87	0.99	0.23
-25.5	8.89 *	7.10 *	6.43	5.50	4.46	3.43	2.29	2.00	1.05	0.25
-29	7.41	6.12	5.75	5.10	4.31	3.41	2.31	2.02	1.07	0.26
-33	6.00	5.09	4.97	4.59	3.97	3.22	2.22	1.95	1.04	0.26
-37.5	4.74	4.18	4.17	3.94	3.50	2.88	2.00	1.73	0.93	0.24
-42.5	3.39	3.05	3.10	2.96	2.67	2.21	1.53	1.32	0.73	0.19
-47.5	3.35	3.03	3.10	2.97	2.66	2.17	1.49	1.38	0.80	0.20
-55	2.13	1.94	2.00	1.94	1.75	1.43	1.02	1.00	0.59	0.14
-65	0.61	0.58	0.63	0.64	0.61	0.53	0.39	0.36	0.20	0.04
-75	0.12	0.11	0.13	0.13	0.12	0.10	0.07	0.06	0.03	0.01
-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	392.93	302.88	259.62	204.56	151.63	108.00	68.81	59.18	31.83	7.70

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		2.17
75				
	0.00	0.00		9.19
65				
	0.01	0.00		24.08
55				
	0.02	0.00		34.53
47.5				
	0.02	0.00		35.10
42.5				
	0.02	0.00		51.67
37.5				
	0.03	0.00		69.89
33				
	0.03	0.00		92.61
29				
	0.03	0.00		118.12
25.5				
	0.03	0.00		139.64
22.5				
	0.03	0.00		183.26
19.5				
	0.02	0.00		190.85
17				
	0.02	0.00		179.92

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

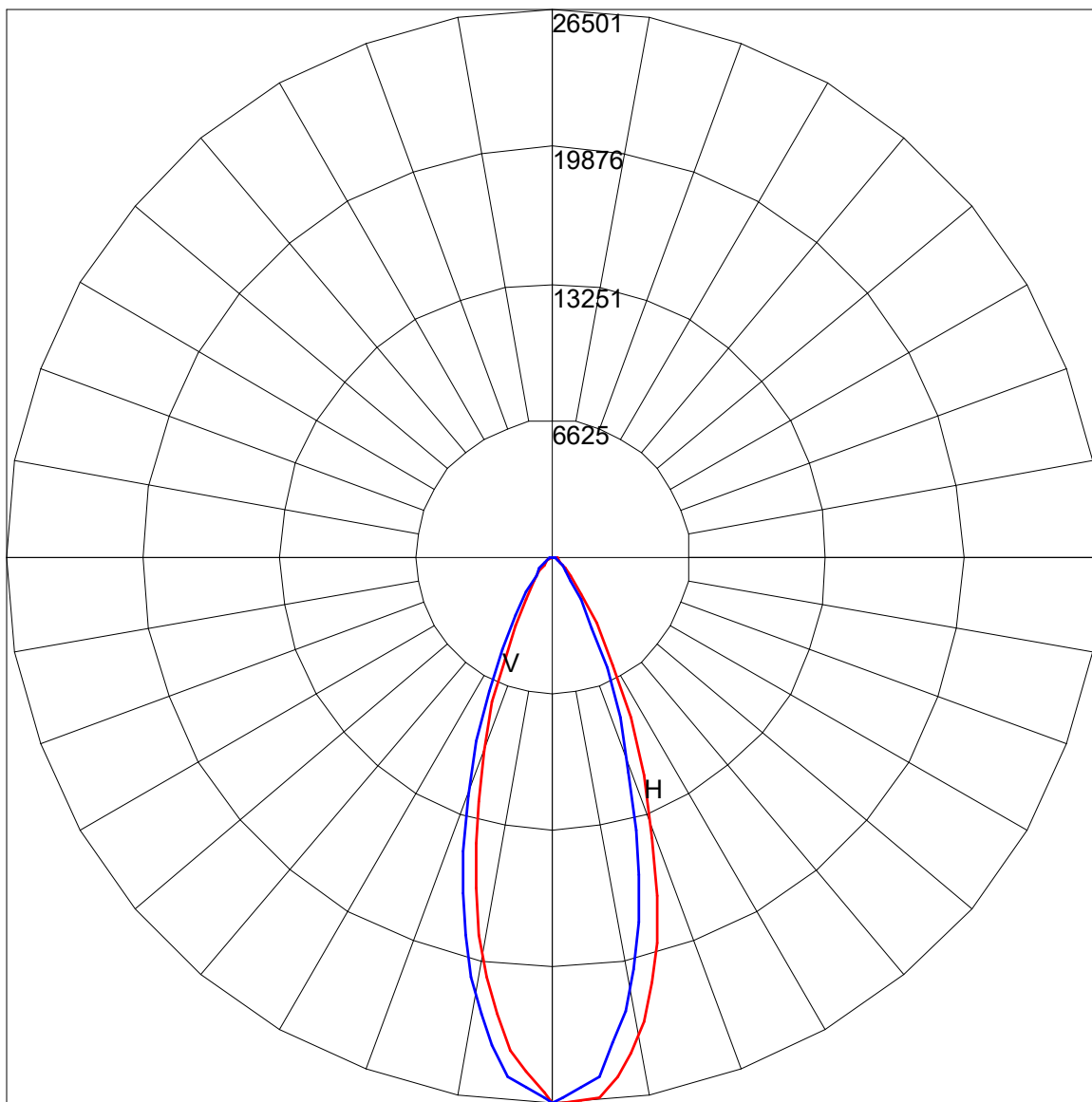
15			
	0.02	0.00	204.59
13			
	0.02	0.00	228.73
11			
	0.02	0.00	251.49
9			
	0.02	0.00	271.48
7			
	0.02	0.00	288.01
5			
	0.02	0.00	300.33
3			
	0.02	0.00	307.90
1			
	0.01	0.00	155.53
0			
	0.01	0.00	155.56
-1			
	0.02	0.00	308.20
-3			
	0.02	0.00	301.22
-5			
	0.02	0.00	290.05
-7			
	0.02	0.00	275.18
-9			
	0.02	0.00	257.34
-11			
	0.02	0.00	237.07
-13			
	0.02	0.00	215.41
-15			
	0.02	0.00	192.89
-17			
	0.02	0.00	209.43
-19.5			
	0.03	0.00	207.58
-22.5			
	0.03	0.00	164.39
-25.5			
	0.03	0.00	145.47
-29			
	0.03	0.00	119.45
-33			
	0.03	0.00	93.35
-37.5			
	0.02	0.00	71.28
-42.5			
	0.02	0.00	49.97
-47.5			
	0.02	0.00	48.95
-55			
	0.01	0.00	30.91
-65			
	0.00	0.00	9.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

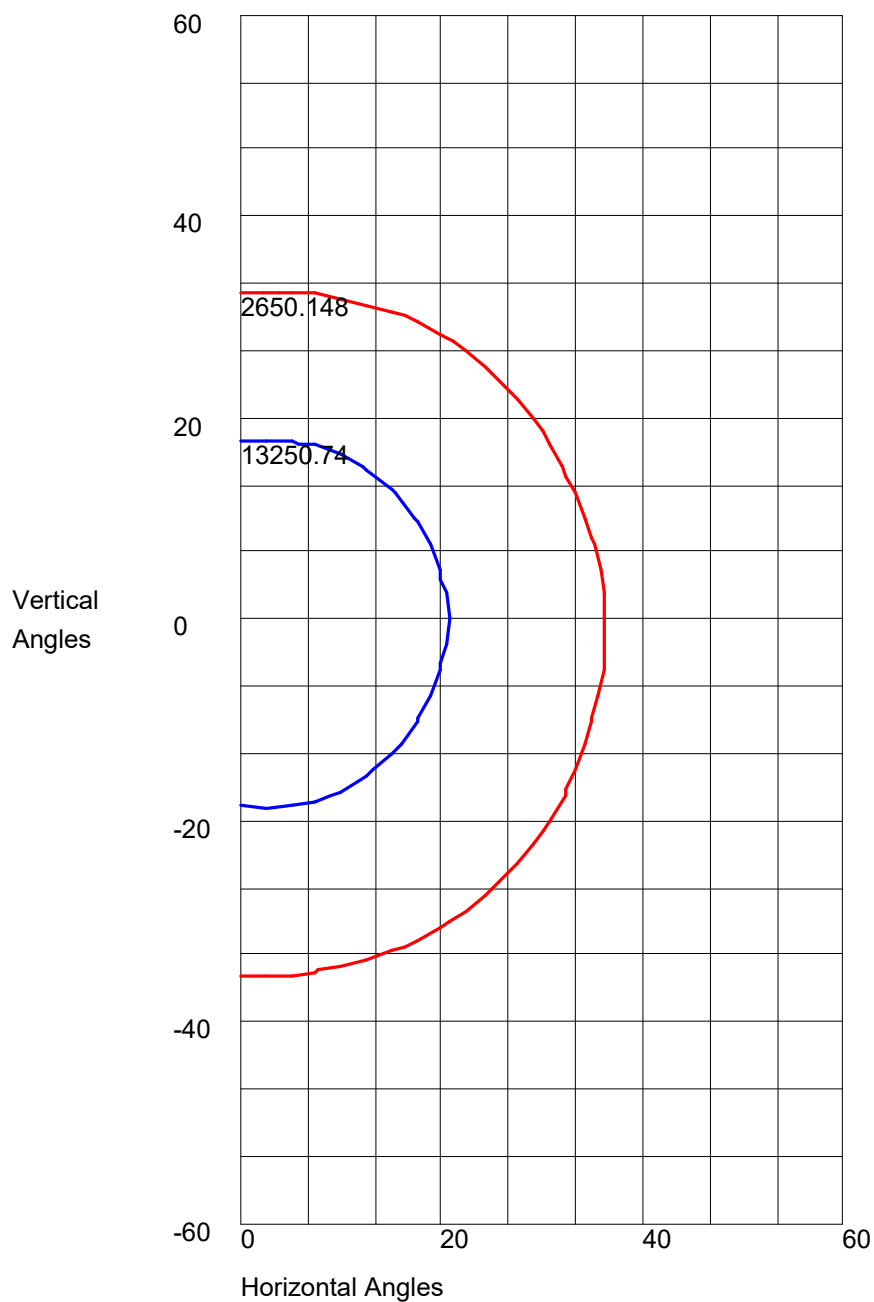
-75	0.00	0.00	1.63
-85	0.00	0.00	0.00
-90			
Total	0.82	0.00	6523.43

AXIAL CANDELA DISPLAY



Maximum Candela = 26501.481 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 26501.481 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 13250.7405
10% Maximum Candela = 2650.1481



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194009
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-60F
[LUMINAIRE] 100W 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	13654.406
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	13500 (1 lamp)
Total Lamp Lumens	13500
Beam Lumens	7431
Beam Efficiency	55 %
Field Lumens	11745
Field Efficiency	87 %
Spill Lumens	1271
Luminaire Lumens	13016
Total Efficiency	96 %
Total Luminaire Watts	100
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	13.618	90	12.709
85	27.61	85	28.824
75	103.593	75	101.833
65	247.262	65	248.531
55	597.06	55	642.921
47.5	1321.659	47.5	1384.119
42.5	2188.971	42.5	2273.35
37.5	3486.437	37.5	3603.824
33	5006.201	33	5157.164
29	6533.081	29	6714.96
25.5	7905.461	25.5	8109.643
22.5	8962.037	22.5	9180.408
19.5	9971.348	19.5	10205.851
17	10715.293	17	10975.447
15	11310.449	15	11591.124
13	11770.168	13	12059.484
11	12229.887	11	12527.843
9	12629.015	9	12940.5
7	12967.554	7	13297.453
5	13306.093	5	13654.406
3	13441.638	3	13650.626
1	13577.183	1	13646.845
0	13644.955	0	13644.955
-1	13569.703	-1	13625.784
-3	13419.2	-3	13587.443
-5	13268.696	-5	13549.102
-7	12914.659	-7	13160.018
-9	12560.622	-9	12770.933
-11	12149.721	-11	12334.813
-13	11681.956	-13	11851.657
-15	11214.19	-15	11368.501
-17	10607.748	-17	10736.569
-19.5	9849.695	-19.5	9946.655
-22.5	8831.555	-22.5	8900.34
-25.5	7769.997	-25.5	7809.054
-29	6404.799	-29	6388.383
-33	4901.762	-33	4844.222
-37.5	3421.229	-37.5	3344.074
-42.5	2164.4	-42.5	2091.363
-47.5	1318.844	-47.5	1271.788
-55	602.365	-55	585.098
-65	248.382	-65	231.372
-75	102.534	-75	95.353
-85	26.093	-85	25.939
-90	12.561	-90	12.995

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

CANDELA TABULATION

Maximum Candela = 13654.406

Beam Edge = 6827.203 Cd (50% of Max.)

Field Edge = 1365.4406 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	12.534	12.518	12.486	12.453	12.407	12.363	12.333	12.303	12.276	12.273
85.0	12.536	13.704	16.060	18.372	20.604	22.207	23.214	24.161	24.953	25.617
75.0	12.541	16.046	23.115	34.949	50.593	61.895	71.592	80.496	87.774	93.560
65.0	12.545	18.279	34.586	62.247	100.078	131.907	155.793	180.013	201.431	218.644
55.0	12.550	20.335	49.101	97.991	160.370	220.665	259.246	315.888	361.137	398.934
47.5	12.552	21.723	59.084	126.157	215.577	313.572	388.593	505.657	604.999	722.916
42.5	12.554	22.561	67.663	144.792	252.094	387.779	529.005	689.078	875.980	1036.489
37.5	12.556	23.322	75.420	161.817	308.222	503.542	688.325	939.642	1246.727	1545.145 *
33.0	12.557	23.936	81.646	179.144	353.975	599.995	876.346	1248.142	1649.465	*2155.396 *
29.0	12.558	24.422	86.547	194.499	392.516	716.361	1037.052	1549.286	*2157.697	*2758.950 *
25.5	12.558	24.799	90.325	206.515	440.652	820.531	1244.654	1848.253	*2589.610	*3403.788 *
22.5	12.559	25.086	93.173	215.705	477.288	900.742	1404.881	*2142.612	*3000.377	*3940.364 *
19.5	12.560	25.338	95.654	223.829	509.473	971.994	1547.430	*2406.012	*3429.196	*4472.361 *
17.0	12.560	25.521	97.436	229.756	532.784	1037.615	1651.850	*2599.917	*3746.301	*4926.281 *
15.0	12.560	25.650	98.673	233.932	549.080	1101.082	1757.391	*2739.376	*3972.323	*5249.300 *
13.0	12.560	25.762	99.742	237.595	563.250	1156.746	1861.442	*2913.030	*4172.131	*5536.788 *
11.0	12.561	26.108	100.640	240.736	575.269	1204.428	1950.697	*3062.492	*4375.249	*5786.187 *
9.0	12.561	26.105	101.368	243.347	585.116	1243.977	2024.788	*3186.903	*4557.335	*5995.090 *
7.0	12.561	26.103	101.925	245.421	592.778	1275.272	2083.418	*3285.539	*4702.188	*6165.685 *
5.0	12.561	26.100	102.841	246.954	598.250	1298.224	2126.362	*3357.835	*4808.616	*6294.376 *
3.0	12.561	26.097	102.718	248.561	603.970	1312.780	2153.481	*3403.396	*4875.751	*6375.206 *
1.0	12.561	26.094	102.595	248.442	602.900	1318.923	2164.724	*3422.024	*4903.080	*6407.224 *
0.0	12.561	26.093	102.534	248.382	602.365	1318.844	2164.400	*3421.229	*4901.762	*6404.799 *
-1.0	12.561	26.093	102.533	248.248	602.177	1317.164	2161.447	*3416.498	*4894.785	*6396.238 *
-3.0	12.561	26.081	102.530	247.980	601.801	1307.544	2143.723	*3386.939	*4851.051	*6342.295 *
-5.0	12.561	26.073	102.528	245.993	594.677	1289.627	2110.343	*3330.798	*4768.062	*6239.677 *
-7.0	12.561	26.065	101.492	244.089	587.835	1263.507	2061.498	*3248.500	*4646.673	*6089.416 *
-9.0	12.561	26.057	100.815	241.654	578.861	1229.310	1997.464	*3140.646	*4488.065	*5898.870 *
-11.0	12.561	26.049	99.971	238.699	567.776	1187.192	1918.585	*3007.987	*4293.697	*5673.158 *
-13.0	12.560	25.694	98.961	235.232	554.608	1137.336	1825.271	*2851.410	*4079.964	*5409.371 *
-15.0	12.560	25.572	97.785	231.265	539.391	1079.951	1717.986	*2671.905	*3871.321	*5110.109 *
-17.0	12.560	25.435	96.446	226.809	522.161	1015.265	1609.964	*2527.845	*3638.412	*4778.044 *
-19.5	12.560	25.241	94.544	220.570	497.862	948.067	1503.143	*2330.171	*3315.545	*4317.006 *
-22.5	12.559	24.978	91.933	212.134	464.775	875.039	1359.461	2065.279	*2884.108	*3782.163 *
-25.5	12.558	24.680	88.970	202.706	427.572	793.745	1200.078	1772.783	*2475.243	*3247.936 *
-29.0	12.558	24.293	85.082	190.514	379.225	689.216	995.995	1478.473	*2050.731	*2611.068 *
-33.0	12.557	23.798	80.088	175.100	340.817	573.447	836.409	1184.887	1556.731	*2026.469 *
-37.5	12.556	23.177	73.800	157.730	295.894	478.427	650.930	885.489	1168.745	1441.048 *
-42.5	12.554	22.414	66.032	140.415	241.543	365.723	495.968	642.111	813.073	957.159
-47.5	12.552	21.579	57.503	121.563	206.095	295.191	361.623	467.106	554.410	659.435
-55.0	12.550	20.204	47.649	93.485	152.734	207.603	241.689	290.734	328.531	359.199
-65.0	12.545	18.182	33.466	58.911	93.060	121.963	143.879	165.927	184.563	198.940
-75.0	12.541	15.999	22.452	32.960	46.595	56.048	64.176	71.378	77.040	81.410
-85.0	12.536	13.716	15.914	17.842	19.440	20.433	21.000	21.487	21.854	22.220
-90.0	12.534	12.560	12.612	12.664	12.630	12.540	12.481	12.421	12.367	12.353

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-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	12.326	12.371	12.416	12.454	12.484	12.514	12.545	12.575	12.605	12.635
85.0	26.190	26.645	27.064	27.385	27.622	27.842	28.336	28.425	28.513	28.602
75.0	96.767	99.007	100.784	101.917	102.601	103.090	103.389	103.501	103.432	103.694
65.0	228.623	234.384	239.390	242.929	245.317	247.287	248.819	249.892	250.486	250.583
55.0	449.595	489.565	525.382	551.859	570.754	587.557	602.219	614.697	624.952	632.951
47.5	827.758	909.086	984.780	1055.344	1123.777	1184.743	1237.993	1283.300	1320.460	1349.298
42.5	1245.577	1407.793	*1556.545	*1669.143	*1783.441	*1897.662	*1997.794	*2083.251	*2153.498	*2208.059 *
37.5	1842.765	*2142.048	*2412.339	*2621.636	*2775.691	*2966.369	*3134.382	*3278.506	*3397.599	*3490.637 *
33.0	2585.279	*2994.568	*3431.792	*3761.935	*4009.812	*4234.303	*4464.952	*4676.311	*4851.466	*4988.702 *
29.0	3402.025	*3937.522	*4469.768	*4935.382	*5277.996	*5597.975	*5882.778	*6129.553	*6339.592	*6507.768 *
25.5	4134.959	*4835.943	*5517.444	*6037.656	*6432.718	*6805.716	*7145.263	*7439.049	*7683.492	*7875.378 *
22.5	4836.076	*5629.469	*6383.285	*6986.902	*7433.423	*7842.687	*8214.141	*8503.624	*8746.878	*8939.781 *
19.5	5514.949	*6379.251	*7228.094	*7891.657	*8357.590	*8756.928	*9117.665	*9445.784	*9724.316	*9946.835 *
17.0	6030.815	*6972.414	*7879.523	*8538.432	*9009.766	*9448.879	*9849.559	*10173.007	*10452.855	*10680.034 *
15.0	6411.162	*7405.810	*8331.054	*8995.632	*9499.835	*9962.959	*10346.959	*10691.496	*10998.979	*11254.173 *
13.0	6751.159	*7792.373	*8714.026	*9416.998	*9944.540	*10393.158	*10811.731	*11192.188	*11508.318	*11737.068 *
11.0	7048.063	*8121.497	*9050.306	*9796.117	*10305.259	*10787.427	*11243.180	*11604.452	*11893.065	*12147.948 *
9.0	7298.293	*8367.618	*9331.588	*10082.556	*10621.369	*11136.999	*11573.036	*11931.528	*12256.950	*12537.976 *
7.0	7498.517	*8565.626	*9559.928	*10306.420	*10872.034	*11408.740	*11824.512	*12218.219	*12579.141	*12838.061 *
5.0	7645.848	*8711.715	*9729.823	*10473.430	*11060.443	*11566.255	*12011.213	*12447.474	*12781.684	*13082.773 *
3.0	7738.034	*8802.541	*9824.469	*10577.714	*11179.195	*11663.415	*12126.117	*12557.275	*12907.704	*13254.315 *
1.0	7773.625	*8836.510	*9856.185	*10614.976	*11232.034	*11693.369	*12162.712	*12579.010	*12937.498	*13316.824 *
0.0	7769.997	*8831.555	*9849.695	*10607.748	*11214.190	*11681.956	*12149.721	*12560.622	*12914.659	*13268.696 *
-1.0	7761.440	*8823.011	*9840.741	*10596.066	*11209.511	*11666.341	*12129.550	*12537.325	*12882.945	*13239.403 *
-3.0	7701.551	*8762.362	*9778.660	*10521.765	*11112.804	*11583.963	*12029.276	*12436.509	*12752.747	*13043.696 *
-5.0	7585.279	*8644.803	*9654.863	*10382.677	*10953.347	*11438.870	*11857.741	*12258.844	*12543.149	*12775.068 *
-7.0	7414.196	*8472.727	*9456.199	*10184.233	*10728.903	*11239.773	*11620.996	*11968.627	*12272.626	*12462.270 *
-9.0	7190.662	*8249.433	*9200.151	*9933.034	*10447.080	*10926.391	*11321.159	*11631.756	*11900.266	*12125.360 *
-11.0	6917.644	*7978.839	*8892.352	*9617.447	*10093.605	*10537.960	*10951.020	*11264.219	*11498.091	*11769.681 *
-13.0	6598.529	*7625.949	*8526.103	*9201.659	*9700.153	*10110.428	*10486.486	*10819.634	*11102.863	*11380.426 *
-15.0	6236.931	*7214.885	*8113.459	*8748.771	*9223.914	*9651.795	*9994.102	*10293.132	*10614.650	*10910.762 *
-17.0	5839.910	*6759.281	*7637.078	*8264.856	*8707.059	*9112.128	*9473.530	*9773.732	*10082.573	*10343.858 *
-19.5	5316.750	*6144.018	*6962.491	*7592.690	*8028.306	*8395.275	*8719.602	*9063.668	*9364.884	*9613.618 *
-22.5	4635.176	*5387.273	*6099.533	*6671.654	*7088.522	*7464.209	*7831.213	*8134.772	*8395.008	*8607.187 *
-25.5	3937.467	*4598.786	*5237.015	*5718.450	*6084.988	*6442.447	*6783.743	*7083.216	*7336.731	*7540.330 *
-29.0	3215.656	*3714.092	*4206.539	*4637.341	*4956.756	*5267.021	*5544.582	*5786.490	*5996.366	*6168.450 *
-33.0	2420.085	*2795.908	*3197.987	*3500.347	*3735.865	*3948.902	*4170.448	*4375.040	*4545.168	*4678.944 *
-37.5	1711.288	*1981.831	*2222.062	*2416.211	*2559.655	*2740.936	*2900.503	*3037.214	*3150.011	*3237.946 *
-42.5	1145.529	1289.552	1425.009	*1529.604	*1635.880	*1742.168	*1835.318	*1914.792	*1980.096	*2030.794 *
-47.5	751.839	823.328	895.204	962.132	1026.484	1083.731	1133.682	1176.167	1211.043	1238.194
-55.0	402.146	439.503	473.127	497.939	515.639	531.394	545.177	556.968	566.751	574.517
-65.0	207.873	213.636	218.752	222.471	225.058	227.279	229.111	230.535	231.531	232.079
-75.0	84.910	87.509	89.739	91.313	92.389	93.301	94.051	94.641	95.071	95.817
-85.0	22.794	23.264	23.712	24.066	24.336	24.594	25.067	25.225	25.384	25.543
-90.0	12.430	12.497	12.564	12.619	12.663	12.708	12.752	12.796	12.840	12.885

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	12.664	12.694	12.709	12.713	12.721	12.729	12.737	12.745	12.753	12.761
85.0	28.691	28.780	28.824	28.816	28.799	28.782	28.766	28.749	28.732	28.305
75.0	102.950	102.205	101.833	101.996	102.322	102.647	101.995	101.677	101.196	100.549
65.0	250.781	249.281	248.531	248.720	249.097	247.806	246.639	245.016	242.968	240.523

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	641.274	642.372	642.921	641.231	637.852	627.300	617.113	604.742	590.239	573.660
47.5	1369.670	*1381.463	*1384.119	*1380.078	*1365.518	*1342.391	1310.813	1270.936	1222.940	1167.035
42.5	2246.525	*2268.567	*2273.350	*2266.882	*2241.491	*2199.737	*2141.986	*2068.683	*1980.339	*1877.522 *
37.5	3556.730	*3595.157	*3603.824	*3593.151	*3550.713	*3480.618	*3383.593	*3260.533	*3112.466	*2940.539 *
33.0	5086.568	*5143.928	*5157.164	*5141.011	*5077.949	*4974.782	*4832.894	*4653.964	*4439.909	*4206.856 *
29.0	6627.789	*6698.405	*6714.960	*6693.060	*6612.112	*6482.815	*6307.065	*6090.800	*5838.589	*5550.045 *
25.5	8012.055	*8091.624	*8109.643	*8082.302	*7984.601	*7831.292	*7625.170	*7369.647	*7068.529	*6725.820 *
22.5	9078.754	*9161.062	*9180.408	*9148.191	*9040.692	*8878.138	*8664.191	*8403.173	*8099.734	*7727.844 *
19.5	10096.481	*10184.307	*10205.851	*10166.918	*10045.258	*9864.399	*9614.199	*9312.636	*8968.406	*8627.974 *
17.0	10847.683	*10950.040	*10975.447	*10927.214	*10780.592	*10572.637	*10311.136	*10004.267	*9694.259	*9316.939 *
15.0	11444.435	*11571.712	*11591.124	*11543.203	*11361.011	*11121.338	*10824.901	*10501.094	*10188.120	*9832.977 *
13.0	11913.241	*12027.679	*12059.484	*11993.278	*11812.288	*11575.746	*11295.384	*10999.897	*10653.707	*10265.636 *
11.0	12353.545	*12489.528	*12527.843	*12447.073	*12229.800	*11952.554	*11672.288	*11419.744	*11091.809	*10667.537 *
9.0	12755.237	*12896.910	*12940.500	*12841.211	*12596.827	*12296.547	*12050.767	*11763.641	*11437.517	*11030.669 *
7.0	13067.918	*13243.179	*13297.453	*13164.477	*12849.006	*12595.855	*12395.783	*12074.662	*11712.522	*11327.360 *
5.0	13353.244	*13598.854	*13654.406	*13478.782	*13051.817	*12867.892	*12628.197	*12339.683	*11941.344	*11526.616 *
3.0	13481.113	*13593.714	*13650.626	*13470.039	*13279.203	*13098.275	*12815.903	*12511.717	*12111.401	*11671.627 *
1.0	13456.692	*13590.366	*13646.845	*13522.997	*13404.335	*13280.607	*12938.485	*12607.302	*12210.180	*11754.177 *
0.0	13419.200	*13569.703	*13644.955	*13577.183	*13441.638	*13306.093	*12967.554	*12629.015	*12229.887	*11770.168 *
-1.0	13376.753	*13503.047	*13625.784	*13578.167	*13450.935	*13325.740	*12964.848	*12623.325	*12220.030	*11760.089 *
-3.0	13219.412	*13408.009	*13587.443	*13549.426	*13444.531	*13213.683	*12886.654	*12555.508	*12138.863	*11688.038 *
-5.0	12947.483	*13377.912	*13549.102	*13515.210	*13303.196	*13034.125	*12732.624	*12401.088	*11980.847	*11549.881 *
-7.0	12712.641	*13029.598	*13160.018	*13127.564	*12991.680	*12781.654	*12522.966	*12159.419	*11761.848	*11352.312 *
-9.0	12429.219	*12674.021	*12770.933	*12749.907	*12649.580	*12470.824	*12192.088	*11864.611	*11502.968	*11065.461 *
-11.0	12044.135	*12257.045	*12334.813	*12318.190	*12222.906	*12053.655	*11819.441	*11529.286	*11166.660	*10711.811 *
-13.0	11613.154	*11788.830	*11851.657	*11839.272	*11761.597	*11618.949	*11420.253	*11109.904	*10730.114	*10312.662 *
-15.0	11147.492	*11324.469	*11368.501	*11367.077	*11273.403	*1114.778	*10889.102	*10602.733	*10259.388	*9876.850 *
-17.0	10549.371	*10691.393	*10736.569	*10728.076	*10658.133	*10521.033	*10322.625	*10069.919	*9755.123	*9354.755 *
-19.5	9792.316	*9910.234	*9946.655	*9941.243	*9884.483	*9764.358	*9569.633	*9316.912	*9011.633	*8651.767 *
-22.5	8766.923	*8870.503	*8900.340	*8895.912	*8842.503	*8731.051	*8564.186	*8345.431	*8078.904	*7723.122 *
-25.5	7690.442	*7784.102	*7809.054	*7804.926	*7752.281	*7641.322	*7473.904	*7252.660	*6980.817	*6661.993 *
-29.0	6293.447	*6369.336	*6388.383	*6384.889	*6339.670	*6244.047	*6099.249	*5913.681	*5692.315	*5431.177 *
-33.0	4774.716	*4831.118	*4844.222	*4841.744	*4806.266	*4730.453	*4615.063	*4461.197	*4270.256	*4059.877 *
-37.5	3300.205	*3336.135	*3344.074	*3342.811	*3320.055	*3270.450	*3194.312	*3092.148	*2964.618	*2812.535 *
-42.5	2066.510	*2086.946	*2091.363	*2090.615	*2077.404	*2048.575	*2004.211	*1944.479	*1869.622	*1779.956 *
-47.5	1257.533	1269.008	1271.788	1270.958	1263.352	1247.780	1224.231	1192.729	1153.329	1106.120
-55.0	582.525	584.240	585.098	585.233	585.503	579.442	573.589	565.664	555.661	543.581
-65.0	232.724	231.823	231.372	232.307	234.176	234.491	234.896	234.843	234.347	233.425
-75.0	95.631	95.446	95.353	95.698	96.389	97.079	96.825	96.885	96.777	96.498
-85.0	25.701	25.860	25.939	25.954	25.983	26.013	26.042	26.072	26.101	25.796
-90.0	12.929	12.973	12.995	13.004	13.021	13.038	13.055	13.072	13.090	13.107

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	12.768	12.776	12.786	12.797	12.808	12.822	12.782	12.717	12.645	12.573
85.0	28.154	27.984	27.747	27.426	27.066	26.599	25.737	24.636	23.374	22.086
75.0	99.738	98.761	97.308	95.224	92.772	89.451	84.187	77.467	69.085	59.776
65.0	237.715	234.574	230.227	224.474	218.235	208.675	193.141	173.140	149.565	126.386
55.0	555.068	534.529	506.220	468.571	427.336	377.939	341.716	299.107	246.599	211.165
47.5	1103.453	1032.448	958.896	879.944	797.510	692.259	574.940	478.775	366.475	297.202
42.5	1760.844	*1644.169	*1528.216	*1376.151	*1212.152	1002.193	841.606	655.428	499.646	365.058
37.5	2745.978	*2589.057	*2376.811	*2104.926	*1804.313	*1505.322	*1206.993	901.750	652.499	474.969
33.0	3978.298	*3726.410	*3392.662	*2951.562	*2539.836	*2109.005	*1602.571	*1204.181	836.669	568.826
29.0	5228.166	*4887.787	*4426.435	*3893.175	*3353.805	*2706.423	*2104.973	*1498.085	*997.206	685.561
25.5	6359.042	*5972.744	*5458.336	*4782.937	*4085.111	*3349.563	*2531.934	*1793.310	*1205.478	791.290

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

CANDELA TABULATION - (Cont.)

22.5	7335.501	*6902.796	*6311.861	*5566.245	*4778.701	*3884.434	*2939.738	*2093.799	*1367.903	*873.373
19.5	8246.315	*7796.156	*7147.697	*6308.600	*5449.984	*4412.847	*3380.317	*2365.853	*1514.103	*946.971
17.0	8897.559	*8442.422	*7798.914	*6901.223	*5961.034	*4875.210	*3712.066	*2568.799	*1622.610	*1014.939
15.0	9391.626	*8904.067	*8254.940	*7338.215	*6351.494	*5212.912	*3951.625	*2716.648	*1733.171	*1080.685
13.0	9844.044	*9334.009	*8645.512	*7739.150	*6714.477	*5517.634	*4166.442	*2901.000	*1843.165	*1138.939
11.0	10212.550	*9726.109	*8998.658	*8094.648	*7035.587	*5786.634	*4384.714	*3061.876	*1938.763	*1189.473
9.0	10541.341	*10032.479	*9308.031	*8366.691	*7311.147	*6017.228	*4582.725	*3198.229	*2019.486	*1232.082
7.0	10822.423	*10284.997	*9566.342	*8591.994	*7537.676	*6210.916	*4744.531	*3309.115	*2084.911	*1266.588
5.0	11047.175	*10484.765	*9767.962	*8766.634	*7712.082	*6363.112	*4868.595	*3393.727	*2134.682	*1292.840
3.0	11207.070	*10625.479	*9894.739	*8887.290	*7831.849	*6467.730	*4953.662	*3451.407	*2168.515	*1310.718
1.0	11304.663	*10702.080	*9960.305	*8951.530	*7895.224	*6523.613	*4998.798	*3481.676	*2186.213	*1320.138
0.0	11310.449	*10715.293	*9971.348	*8962.037	*7905.461	*6533.081	*5006.201	*3486.437	*2188.971	*1321.659
-1.0	11307.732	*10703.369	*9959.929	*8950.473	*7893.662	*6520.974	*4995.713	*3479.009	*2184.542	*1319.257
-3.0	11215.493	*10628.846	*9893.269	*8884.037	*7826.994	*6459.699	*4944.372	*3443.446	*2163.544	*1308.096
-5.0	11058.990	*10488.785	*9764.607	*8760.946	*7703.439	*6349.350	*4853.001	*3380.591	*2126.529	*1288.533
-7.0	10834.708	*10287.518	*9560.864	*8583.496	*7524.455	*6190.877	*4722.467	*3290.996	*2073.774	*1260.692
-9.0	10551.465	*10030.877	*9299.744	*8354.900	*7292.311	*5990.547	*4553.971	*3175.390	*2005.633	*1224.729
-11.0	10231.166	*9723.795	*8986.794	*8079.005	*7009.910	*5753.199	*4349.000	*3034.641	*1922.531	*1180.826
-13.0	9865.638	*9337.889	*8634.201	*7716.163	*6680.603	*5477.010	*4124.153	*2869.749	*1824.950	*1129.194
-15.0	9413.815	*8909.281	*8244.277	*7308.460	*6307.993	*5164.627	*3904.621	*2681.805	*1713.422	*1070.066
-17.0	8915.758	*8444.420	*7782.720	*6863.667	*5908.749	*4818.776	*3660.999	*2531.667	*1601.702	*1003.692
-19.5	8253.043	*7785.791	*7116.374	*6256.866	*5389.699	*4346.613	*3325.128	*2326.977	*1491.976	*935.342
-22.5	7313.145	*6864.188	*6255.186	*5500.129	*4707.628	*3814.904	*2881.572	*2054.479	*1345.175	*861.915
-25.5	6297.692	*5901.655	*5383.688	*4704.022	*4005.390	*3281.439	*2476.370	*1755.371	*1183.124	*780.712
-29.0	5132.860	*4797.923	*4334.181	*3807.335	*3278.383	*2641.596	*2055.143	*1463.720	*976.539	*676.938
-33.0	3856.361	*3627.572	*3305.780	*2874.494	*2472.374	*2053.266	*1560.406	*1175.375	*819.965	*562.797
-37.5	2636.825	*2497.346	*2304.153	*2040.795	*1749.041	*1461.199	*1175.027	*880.961	*642.221	*470.146
-42.5	1675.862	*1571.112	*1469.622	*1330.939	*1175.429	*974.869	*821.570	*643.621	*493.492	*362.208
-47.5	1051.218	*988.770	*924.053	*854.434	*777.046	*676.840	*564.906	*472.485	*363.610	*294.585
-55.0	529.431	*513.224	*490.103	*458.227	*421.950	*374.704	*339.795	*298.068	*245.825	*209.943
-65.0	232.095	*230.375	*227.704	*223.784	*219.144	*210.264	*194.013	*173.386	*149.128	*125.420
-75.0	96.045	*95.416	*94.377	*92.754	*90.716	*87.809	*82.451	*75.604	*67.084	*57.647
-85.0	25.714	*25.617	*25.474	*25.271	*25.034	*24.715	*24.088	*23.268	*22.312	*21.320
-90.0	13.124	*13.141	*13.162	*13.187	*13.213	*13.242	*13.227	*13.191	*13.152	*13.112

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	12.465	12.593	12.992	13.391	13.590
85.0	20.137	18.131	16.474	14.594	13.592
75.0	48.553	33.917	23.379	16.975	13.597
65.0	95.817	60.368	34.637	19.258	13.602
55.0	154.506	95.404	48.929	21.376	13.606
47.5	207.531	123.308	58.832	22.818	13.609
42.5	242.689	141.900	67.395	23.696	13.611
37.5	295.385	158.980	75.179	24.499	13.612
33.0	338.954	176.101	81.466	25.153	13.614
29.0	376.306	191.252	86.447	25.675	13.615
25.5	424.093	203.204	90.316	26.085	13.615
22.5	460.881	212.421	93.256	26.400	13.616
19.5	493.613	220.643	95.840	26.681	13.616
17.0	517.662	226.706	97.716	26.887	13.617
15.0	534.718	231.022	99.034	27.034	13.617
13.0	549.787	234.852	100.186	27.165	13.617
11.0	562.829	238.186	101.172	27.537	13.618
9.0	573.808	241.014	101.991	27.551	13.618

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

CANDELA TABULATION - (Cont.)

7.0	582.697	243.327	102.642	27.564	13.618
5.0	589.472	245.117	103.650	27.577	13.618
3.0	596.531	246.986	103.627	27.590	13.618
1.0	596.884	247.170	103.604	27.610	13.618
0.0	597.060	247.262	103.593	27.610	13.618
-1.0	596.714	247.119	103.593	27.601	13.618
-3.0	596.024	246.832	103.592	27.583	13.618
-5.0	588.644	244.865	103.591	27.565	13.618
-7.0	581.562	242.980	102.558	27.547	13.618
-9.0	572.388	240.577	101.882	27.529	13.618
-11.0	561.154	237.667	101.038	27.511	13.618
-13.0	547.893	234.259	100.026	27.135	13.617
-15.0	532.646	230.365	98.848	27.000	13.617
-17.0	515.457	225.996	97.503	26.850	13.617
-19.5	491.313	219.885	95.592	26.639	13.616
-22.5	458.581	211.633	92.964	26.354	13.616
-25.5	421.926	202.421	89.978	26.035	13.615
-29.0	374.473	190.521	86.052	25.623	13.614
-33.0	336.902	175.494	81.002	25.098	13.613
-37.5	292.996	158.478	74.631	24.445	13.612
-42.5	239.910	141.276	66.747	23.645	13.611
-47.5	205.485	122.550	58.077	22.774	13.609
-55.0	153.528	94.381	48.234	21.347	13.606
-65.0	94.354	58.844	34.118	19.259	13.602
-75.0	46.789	32.995	23.139	17.015	13.597
-85.0	19.784	18.136	16.597	14.676	13.592
-90.0	13.052	13.109	13.302	13.494	13.590

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6507.82

Total Field Lumens (one side of beam only) = 5872.3

* 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	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
75	0.20	0.40	0.40	0.40	0.40	0.39	0.39	0.38	0.38	0.46
65	0.53	1.07	1.07	1.07	1.06	1.05	1.03	1.02	1.00	1.22
55	1.36	2.71	2.69	2.65	2.60	2.55	2.48	2.41	2.32	2.77
47.5	2.31	4.60	4.54	4.44	4.32	4.18	4.00	3.80	3.58	4.17
42.5	2.78 *	5.53 *	5.44 *	5.31 *	5.14 *	4.93 *	4.68 *	4.40 *	4.09 *	4.71
37.5	4.47 *	8.87 *	8.73 *	8.50 *	8.21 *	7.84 *	7.41 *	6.93 *	6.44 *	7.41 *
33	6.00 *	11.90 *	11.69 *	11.38 *	10.97 *	10.47 *	9.89 *	9.26 *	8.63 *	9.89 *
29	7.22 *	14.33 *	14.09 *	13.72 *	13.24 *	12.65 *	11.98 *	11.26 *	10.48 *	11.94 *
25.5	7.89 *	15.66 *	15.40 *	15.02 *	14.51 *	13.90 *	13.20 *	12.41 *	11.56 *	13.20 *
22.5	7.89 *	15.66 *	15.41 *	15.05 *	14.58 *	14.00 *	13.32 *	12.56 *	11.74 *	13.44 *
19.5	8.84 *	17.56 *	17.30 *	16.90 *	16.38 *	15.76 *	15.05 *	14.26 *	13.38 *	15.36 *
17	8.05 *	15.98 *	15.73 *	15.37 *	14.90 *	14.35 *	13.74 *	13.05 *	12.29 *	14.17 *
15	6.86 *	13.61 *	13.38 *	13.06 *	12.66 *	12.22 *	11.72 *	11.14 *	10.49 *	12.14 *
13	7.19 *	14.26 *	14.01 *	13.68 *	13.27 *	12.81 *	12.28 *	11.69 *	11.03 *	12.76 *
11	7.47 *	14.80 *	14.54 *	14.20 *	13.81 *	13.35 *	12.80 *	12.18 *	11.50 *	13.32 *
9	7.74 *	15.31 *	15.02 *	14.66 *	14.27 *	13.81 *	13.25 *	12.61 *	11.91 *	13.80 *
7	7.97 *	15.74 *	15.43 *	15.08 *	14.67 *	14.18 *	13.62 *	12.97 *	12.23 *	14.19 *
5	8.18 *	16.10 *	15.76 *	15.41 *	15.00 *	14.48 *	13.90 *	13.25 *	12.50 *	14.49 *
3	8.28 *	16.33 *	16.02 *	15.67 *	15.23 *	14.71 *	14.10 *	13.44 *	12.69 *	14.71 *
1	8.28 *	16.41 *	16.19 *	15.84 *	15.36 *	14.83 *	14.21 *	13.55 *	12.80 *	14.84 *
0	4.14 *	8.22 *	8.12 *	7.95 *	7.70 *	7.43 *	7.12 *	6.79 *	6.42 *	7.44 *
-1	4.14 *	8.21 *	8.12 *	7.94 *	7.70 *	7.43 *	7.12 *	6.79 *	6.42 *	7.43 *
	8.26 *	16.37 *	16.15 *	15.80 *	15.33 *	14.80 *	14.18 *	13.53 *	12.78 *	14.81 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

LUMENS TABULATION - (Cont.)

-3	8.23 *	16.25 *	15.95 *	15.60 *	15.17 *	14.65 *	14.04 *	13.39 *	12.64 *	14.66 *
-5	8.11 *	15.98 *	15.65 *	15.32 *	14.91 *	14.40 *	13.83 *	13.18 *	12.43 *	14.42 *
-7	7.88 *	15.58 *	15.29 *	14.95 *	14.56 *	14.07 *	13.53 *	12.88 *	12.15 *	14.09 *
-9	7.63 *	15.12 *	14.85 *	14.51 *	14.13 *	13.68 *	13.14 *	12.50 *	11.80 *	13.68 *
-11	7.35 *	14.59 *	14.35 *	14.04 *	13.66 *	13.21 *	12.66 *	12.05 *	11.39 *	13.18 *
-13	7.06 *	14.02 *	13.80 *	13.49 *	13.10 *	12.64 *	12.13 *	11.55 *	10.89 *	12.60 *
-15	6.73 *	13.35 *	13.14 *	12.84 *	12.46 *	12.03 *	11.54 *	10.97 *	10.34 *	11.96 *
-17	7.87 *	15.63 *	15.41 *	15.07 *	14.62 *	14.10 *	13.50 *	12.82 *	12.08 *	13.92 *
-19.5	8.60 *	17.10 *	16.86 *	16.50 *	16.01 *	15.41 *	14.72 *	13.95 *	13.09 *	15.01 *
-22.5	7.63 *	15.16 *	14.94 *	14.61 *	14.16 *	13.61 *	12.95 *	12.21 *	11.41 *	13.05 *
-25.5	7.56 *	15.03 *	14.80 *	14.45 *	13.97 *	13.40 *	12.72 *	11.97 *	11.15 *	12.72 *
-29	6.84 *	13.59 *	13.38 *	13.05 *	12.61 *	12.06 *	11.44 *	10.75 *	10.03 *	11.43 *
-33	5.61 *	11.15 *	10.98 *	10.71 *	10.34 *	9.88 *	9.34 *	8.76 *	8.18 *	9.39 *
-37.5	4.14 *	8.23 *	8.11 *	7.92 *	7.66 *	7.33 *	6.94 *	6.50 *	6.05 *	6.98 *
-42.5	2.56 *	5.09 *	5.03 *	4.92 *	4.77 *	4.58 *	4.36 *	4.10 *	3.82	4.41
-47.5	2.12	4.22	4.18	4.10	4.00	3.87	3.72	3.54	3.34	3.89
-55	1.24	2.49	2.47	2.44	2.41	2.36	2.31	2.24	2.17	2.60
-65	0.50	1.00	1.00	1.00	0.99	0.98	0.97	0.96	0.94	1.15
-75	0.18	0.37	0.37	0.37	0.37	0.36	0.36	0.35	0.35	0.42
-85	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
-90										
Total	243.97	483.73	475.92	465.10	451.33	434.88	415.81	394.45	371.03	428.42

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.08	0.08	0.09	0.10	0.10	0.11	0.09	0.12	0.12	0.08
85	0.53	0.51	0.57	0.60	0.60	0.57	0.48	0.55	0.47	0.24
75	1.41	1.35	1.48	1.54	1.51	1.40	1.11	1.21	0.93	0.40
65	3.11	2.86	2.99	3.00	2.89	2.59	2.02	2.15	1.57	0.63
55	4.58	4.11	4.17	3.99	3.65	3.13	2.33	2.39	1.68	0.64

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

LUMENS TABULATION - (Cont.)

47.5										
	5.12	4.52	4.46	4.15	3.66	3.00	2.12	2.04	1.38	0.51
42.5	7.95 *	6.85 *	6.63 *	6.04	5.15	4.05	2.76	2.53	1.62	0.58
37.5	10.46 *	8.91 *	8.58 *	7.65 *	6.29	4.82	3.15	2.77	1.69	0.58
33	12.58 *	10.71 *	10.24 *	9.00 *	7.28 *	5.39	3.40	2.88	1.68	0.56
29	13.93 *	11.84 *	11.28 *	9.87 *	7.87 *	5.70 *	3.53	2.91	1.62	0.52
25.5	14.23 *	12.10 *	11.52 *	10.04 *	7.95 *	5.73 *	3.48	2.78	1.51	0.47
22.5	16.30 *	13.92 *	13.25 *	11.54 *	9.13 *	6.49 *	3.85	3.02	1.61	0.49
19.5	15.09 *	12.92 *	12.33 *	10.75 *	8.47 *	5.93 *	3.47	2.69	1.40	0.42
17	12.98 *	11.14 *	10.67 *	9.31 *	7.28 *	5.07 *	2.96	2.28	1.16	0.34
15	13.70 *	11.79 *	11.31 *	9.86 *	7.70 *	5.38 *	3.14 *	2.38	1.19	0.35
13	14.32 *	12.37 *	11.89 *	10.37 *	8.12 *	5.70 *	3.31 *	2.48	1.22	0.35
11	14.85 *	12.86 *	12.39 *	10.83 *	8.51 *	5.96 *	3.45 *	2.56	1.24	0.36
9	15.28 *	13.26 *	12.80 *	11.22 *	8.83 *	6.18 *	3.56 *	2.63	1.26	0.36
7	15.62 *	13.57 *	13.13 *	11.53 *	9.08 *	6.35 *	3.65 *	2.68	1.27	0.36
5	15.86 *	13.79 *	13.37 *	11.75 *	9.26 *	6.47 *	3.71 *	2.72	1.28	0.36
3	16.00 *	13.92 *	13.51 *	11.88 *	9.37 *	6.54 *	3.75 *	2.74	1.29	0.37
1	8.02 *	6.98 *	6.78 *	5.96 *	4.70 *	3.28 *	1.88 *	1.37	0.64	0.18
0	8.02 *	6.98 *	6.77 *	5.96 *	4.70 *	3.28 *	1.88 *	1.37	0.64	0.18
-1	15.97 *	13.90 *	13.48 *	11.85 *	9.35 *	6.53 *	3.74 *	2.73	1.29	0.36
-3	15.81 *	13.75 *	13.32 *	11.70 *	9.22 *	6.44 *	3.70 *	2.71	1.28	0.36
-5	15.55 *	13.50 *	13.05 *	11.45 *	9.02 *	6.31 *	3.63 *	2.66	1.27	0.36
-7	15.18 *	13.16 *	12.70 *	11.12 *	8.75 *	6.12 *	3.53 *	2.61	1.25	0.36
-9	14.72 *	12.75 *	12.26 *	10.70 *	8.41 *	5.89 *	3.41 *	2.54	1.23	0.35
-11	14.17 *	12.23 *	11.73 *	10.22 *	8.00 *	5.61 *	3.26 *	2.45	1.21	0.35
-13	13.52 *	11.62 *	11.13 *	9.70 *	7.57 *	5.29 *	3.09 *	2.35	1.18	0.35
-15	12.78 *	10.94 *	10.46 *	9.12 *	7.13 *	4.97 *	2.91	2.24	1.15	0.34
-17	14.80 *	12.65 *	12.06 *	10.51 *	8.27 *	5.80 *	3.40	2.65	1.39	0.42
-19.5	15.91 *	13.57 *	12.90 *	11.23 *	8.89 *	6.33 *	3.76	2.96	1.58	0.48

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

LUMENS TABULATION - (Cont.)

-22.5	13.81 *	11.73 *	11.16 *	9.73 *	7.71 *	5.57 *	3.39	2.72	1.48	0.47
-25.5	13.43 *	11.42 *	10.87 *	9.52 *	7.60 *	5.52	3.44	2.84	1.59	0.52
-29	12.04 *	10.26 *	9.82 *	8.64 *	7.01 *	5.21	3.30	2.81	1.65	0.55
-33	9.94 *	8.47 *	8.17 *	7.31 *	6.04	4.64	3.05	2.69	1.65	0.57
-37.5	7.50 *	6.48 *	6.29	5.75	4.92	3.89	2.66	2.45	1.59	0.57
-42.5	4.80	4.25	4.22	3.93	3.48	2.87	2.04	1.97	1.35	0.50
-47.5	4.28	3.86	3.93	3.78	3.48	3.00	2.24	2.31	1.64	0.63
-55	2.93	2.70	2.84	2.86	2.76	2.49	1.95	2.07	1.52	0.61
-65	1.33	1.27	1.40	1.46	1.43	1.33	1.06	1.15	0.88	0.39
-75	0.49	0.47	0.52	0.55	0.56	0.53	0.44	0.51	0.45	0.23
-85	0.08	0.08	0.09	0.09	0.10	0.10	0.09	0.12	0.12	0.08
-90	0.08	0.08	0.09	0.09	0.10	0.10	0.09	0.12	0.12	0.08
Total	459.09	396.40	382.60	338.15	271.82	197.59	121.17	98.78	55.22	18.19

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.04	0.00		1.62
85				
	0.09	0.01		9.01
75				
	0.12	0.01		22.56
65				
	0.16	0.01		48.53
55				
	0.15	0.01		70.78
47.5				
	0.11	0.01		78.08
42.5				
	0.13	0.01		119.10
37.5				
	0.12	0.01		155.11
33				
	0.11	0.01		184.76
29				
	0.11	0.00		201.92
25.5				
	0.09	0.00		203.56
22.5				
	0.10	0.00		230.49
19.5				
	0.08	0.00		211.21
17				
	0.07	0.00		180.53

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

LUMENS TABULATION - (Cont.)

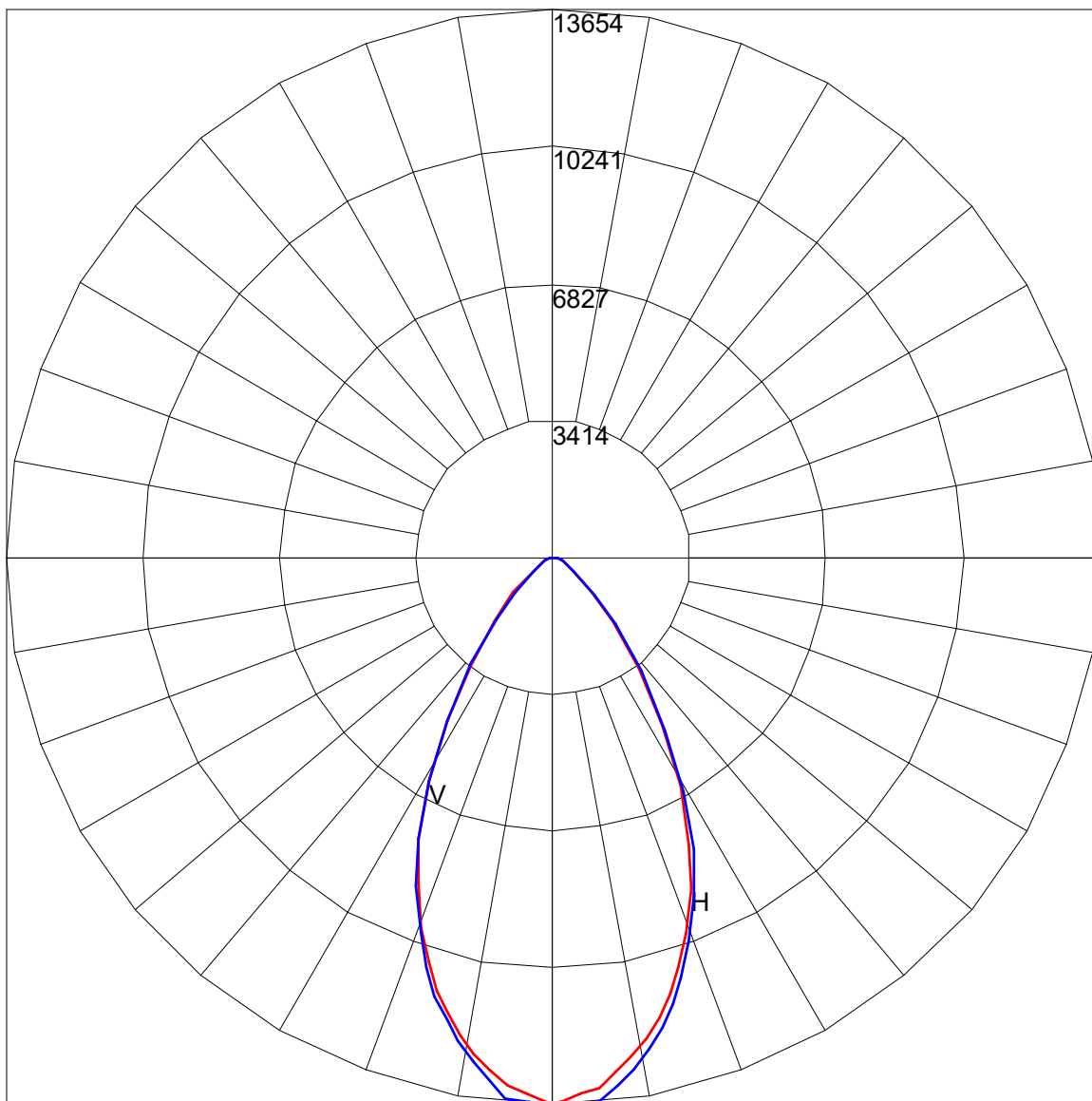
15	0.07	0.00	189.87
13	0.07	0.00	198.19
11	0.07	0.00	205.45
9	0.07	0.00	211.53
7	0.07	0.00	216.40
5	0.07	0.00	219.83
3	0.07	0.00	221.74
1	0.03	0.00	111.19
0	0.03	0.00	111.13
-1	0.07	0.00	221.29
-3	0.07	0.00	218.94
-5	0.07	0.00	215.09
-7	0.07	0.00	209.82
-9	0.07	0.00	203.38
-11	0.07	0.00	195.80
-13	0.07	0.00	187.16
-15	0.07	0.00	177.51
-17	0.08	0.00	207.03
-19.5	0.09	0.00	224.97
-22.5	0.09	0.00	197.60
-25.5	0.10	0.00	194.63
-29	0.11	0.01	176.58
-33	0.12	0.01	147.00
-37.5	0.12	0.01	112.08
-42.5	0.11	0.01	73.18
-47.5	0.15	0.01	66.27
-55	0.16	0.01	45.63
-65	0.12	0.01	21.32

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

LUMENS TABULATION - (Cont.)

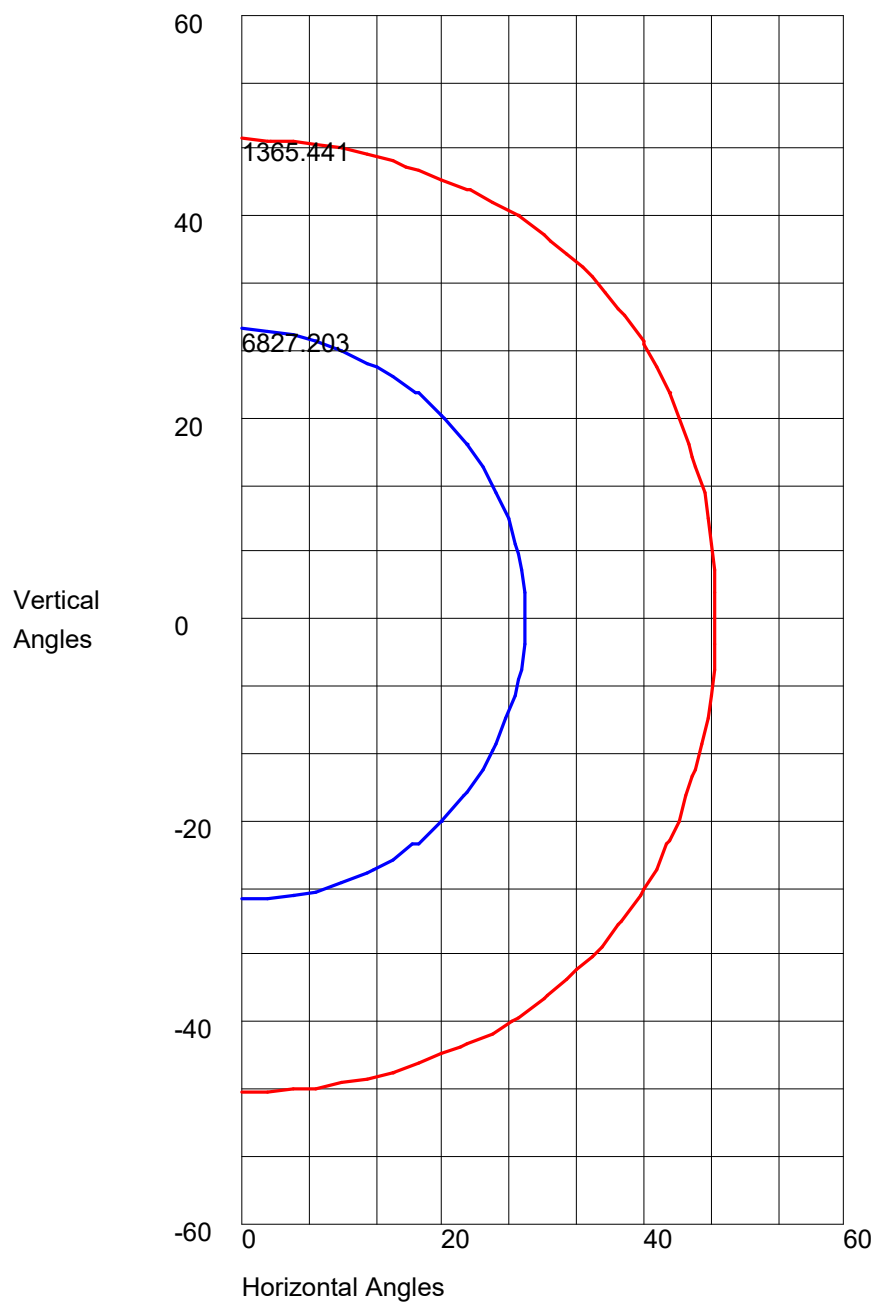
-75	0.09	0.01	8.38
-85	0.04	0.00	1.55
-90			
Total	3.96	0.21	6507.83

AXIAL CANDELA DISPLAY



Maximum Candela = 13654.406 Located At Horizontal Angle = 0, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 13654.406 Located At Horizontal Angle = 0, Vertical Angle = 5
50% Maximum Candela = 6827.203
10% Maximum Candela = 1365.4406



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194010
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-90WF
[LUMINAIRE] 100W 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	8674.341
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	13500 (1 lamp)
Total Lamp Lumens	13500
Beam Lumens	8718
Beam Efficiency	65 %
Field Lumens	12335
Field Efficiency	91 %
Spill Lumens	781
Luminaire Lumens	13116
Total Efficiency	97 %
Total Luminaire Watts	100
Ballast Factor	1.00



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

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.034	90	.028
85	16.784	85	14.223
75	113.591	75	107.41
65	337.512	65	334.164
55	1108.526	55	1095.188
47.5	2514.806	47.5	2543.089
42.5	3581.413	42.5	3637.71
37.5	4611.231	37.5	4696.216
33	5407.787	33	5512.065
29	6018.495	29	6134.034
25.5	6523.522	25.5	6668.262
22.5	6888.9	22.5	7054.147
19.5	7224.874	19.5	7408.035
17	7438.587	17	7629.646
15	7609.557	15	7806.934
13	7778.799	13	7985.573
11	7948.041	11	8164.212
9	8107.644	9	8336.154
7	8257.608	7	8501.4
5	8407.572	5	8666.646
3	8493.003	3	8648.447
1	8578.434	1	8630.248
0	8621.149	0	8621.149
-1	8578.11	-1	8631.787
-3	8492.031	-3	8653.064
-5	8405.952	-5	8674.341
-7	8262.144	-7	8515.359
-9	8118.337	-9	8356.377
-11	7961.083	-11	8191.509
-13	7790.382	-13	8020.755
-15	7619.682	-15	7850.001
-17	7448.658	-17	7673.9
-19.5	7234.877	-19.5	7453.774
-22.5	6903.886	-22.5	7102.613
-25.5	6543.571	-25.5	6720.117
-29	6039.017	-29	6192.599
-33	5427.957	-33	5567.93
-37.5	4628.039	-37.5	4755.619
-42.5	3589.378	-42.5	3704.537
-47.5	2507.246	-47.5	2608.769
-55	1095.242	-55	1146.449
-65	330.614	-65	350.945
-75	110.047	-75	112.508
-85	14.717	-85	16.936
-90	.029	-90	.034

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

CANDELA TABULATION

Maximum Candela = 8674.341

Beam Edge = 4337.1705 Cd (50% of Max.)

Field Edge = 867.4341 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	0.003	0.007	0.012	0.016	0.019	0.021	0.023	0.024	0.025
85.0	0.003	1.270	3.706	5.945	8.040	9.553	10.485	11.348	12.057	12.613
75.0	0.008	3.773	11.021	24.091	41.923	54.222	65.664	75.887	83.998	90.298
65.0	0.012	6.164	24.110	56.664	104.686	145.829	177.540	209.682	241.955	269.763
55.0	0.017	8.374	41.246	103.042	188.013	281.636	344.558	447.766	529.361	598.297
47.5	0.020	9.872	53.116	141.912	275.908	448.358	586.072	837.078	1045.413	*1300.486 *
42.5	0.022	10.781	64.281	168.527	335.290	587.959	897.144 *	*1243.641	*1653.542	*1994.837 *
37.5	0.023	11.609	74.387	193.028	440.657	848.350	1254.717	*1804.754	*2340.236	*2815.219 *
33.0	0.025	12.280	82.509	220.115	526.653	1067.515	*1674.096	*2350.174	*2989.119	*3539.137 *
29.0	0.026	12.814	88.911	244.753	601.210	1328.351	*2020.021	*2835.124	*3547.773	*4175.670 *
25.5	0.027	13.231	93.853	263.981	711.633	1562.013	*2355.688	*3230.036	*4002.735	*4600.226 *
22.5	0.027	13.549	97.586	278.651	796.154	1743.049	*2615.975	*3540.675	*4340.349	*4952.125 *
19.5	0.028	13.831	100.844	291.590	870.866 *	1904.972	*2848.776	*3819.879	*4621.119	*5250.304 *
17.0	0.028	14.037	103.190	301.012	925.347 *	2034.194	*3020.337	*4026.454	*4829.532	*5435.154 *
15.0	0.028	14.182	104.822	307.640	963.691 *	2138.348	*3145.162	*4172.820	*4978.724	*5567.415 *
13.0	0.029	14.311	106.236	313.447	997.275 *	2230.135	*3256.367	*4287.202	*5111.227	*5685.943 *
11.0	0.029	14.693	107.430	318.422	1026.018	*2309.231	*3352.219	*4386.003	*5208.790	*5789.617 *
9.0	0.029	14.697	108.403	322.557	1049.853	*2375.355	*3432.287	*4468.609	*5283.764	*5877.344 *
7.0	0.029	14.701	109.155	325.845	1068.725	*2428.270	*3496.208	*4534.489	*5343.756	*5945.837 *
5.0	0.029	14.706	110.372	328.280	1082.592	*2467.789	*3543.694	*4583.205	*5388.151	*5994.860 *
3.0	0.029	14.710	110.242	330.824	1097.094	*2493.779	*3574.538	*4614.427	*5416.448	*6026.108 *
1.0	0.029	14.715	110.112	330.684	1095.860	*2506.163	*3588.627	*4627.947	*5428.284	*6039.262 *
0.0	0.029	14.717	110.047	330.614	1095.242	*2507.246	*3589.378	*4628.039	*5427.957	*6039.017 *
-1.0	0.029	14.717	110.102	330.680	1095.548	*2505.927	*3588.005	*4626.348	*5425.272	*6034.758 *
-3.0	0.029	14.712	110.212	330.812	1096.158	*2493.074	*3572.696	*4609.700	*5407.511	*6012.687 *
-5.0	0.029	14.709	110.321	328.258	1081.056	*2466.635	*3540.712	*4575.551	*5373.578	*5972.789 *
-7.0	0.029	14.706	109.085	325.813	1066.605	*2426.695	*3492.214	*4524.238	*5324.020	*5915.545 *
-9.0	0.029	14.703	108.314	322.514	1047.184	*2373.400	*3427.457	*4456.208	*5259.498	*5839.726 *
-11.0	0.029	14.700	107.324	318.364	1022.839	*2306.947	*3346.771	*4372.006	*5180.769	*5746.044 *
-13.0	0.029	14.320	106.114	313.372	993.634 *	2227.582	*3250.561	*4272.255	*5080.389	*5637.689 *
-15.0	0.028	14.192	104.685	307.544	959.645 *	2135.595	*3139.292	*4157.645	*4946.190	*5515.854 *
-17.0	0.028	14.048	103.040	300.892	920.959 *	2031.317	*3014.531	*4010.855	*4796.412	*5381.720 *
-19.5	0.028	13.843	100.680	291.435	866.147	1901.439	*2842.689	*3804.414	*4588.890	*5196.638 *
-22.5	0.027	13.563	97.411	278.445	791.194	1738.089	*2609.817	*3526.448	*4311.432	*4901.004 *
-25.5	0.027	13.246	93.672	263.713	706.616	1555.309	*2349.760	*3218.237	*3976.778	*4554.275 *
-29.0	0.026	12.831	88.729	244.397	596.372	1319.196	*2014.748	*2824.895	*3525.470	*4137.943 *
-33.0	0.025	12.298	82.338	219.640	522.631	1056.183	*1665.867	*2342.003	*2973.168	*3509.858 *
-37.5	0.023	11.628	74.241	192.428	438.118	838.250	1244.050	*1798.672	*2330.454	*2797.018 *
-42.5	0.022	10.800	64.182	167.863	335.053	580.523	887.955 *	1236.130	*1648.280	*1989.373 *
-47.5	0.020	9.892	53.082	141.189	275.323	444.193	578.606	829.903	1040.630	*1297.523 *
-55.0	0.017	8.393	41.253	102.386	186.882	279.314	340.483	441.302	521.910	590.930
-65.0	0.012	6.180	24.182	56.558	103.601	143.845	174.749	205.856	236.801	263.105
-75.0	0.008	3.783	11.110	24.219	41.737	53.430	64.371	74.110	81.799	87.783
-85.0	0.003	1.273	3.737	6.028	8.116	9.531	10.382	11.149	11.765	12.332
-90.0	0.000	0.003	0.007	0.012	0.016	0.019	0.021	0.022	0.024	0.025

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-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	0.026	0.027	0.027	0.027	0.028	0.028	0.028	0.028	0.028	0.028
85.0	12.995	13.283	13.534	13.714	13.839	13.946	14.300	14.286	14.272	14.258
75.0	94.860	98.227	101.089	103.086	104.430	105.549	106.443	107.114	107.562	108.459
65.0	287.828	299.567	309.821	317.164	322.213	326.499	329.998	332.685	334.539	335.537
55.0	702.192	783.469	856.535	910.671 *	949.351 *	983.764 *	1013.776	*1039.264	*1060.113	*1076.221 *
47.5	1530.684	*1710.372	*1879.914	*2016.416	*2126.627	*2224.624	*2310.049	*2382.580	*2441.939	*2487.894 *
42.5	2326.938	*2584.640	*2822.484	*3002.759	*3135.724	*3255.244	*3359.216	*3447.213	*3518.874	*3573.916 *
37.5	3203.616	*3516.021	*3798.493	*4015.970	*4171.264	*4295.588	*4404.248	*4496.574	*4571.968	*4629.928 *
33.0	3988.377	*4323.544	*4611.084	*4828.557	*4989.231	*5133.302	*5240.642	*5324.804	*5394.195	*5448.141 *
29.0	4595.979	*4947.767	*5247.711	*5436.554	*5574.987	*5703.172	*5816.918	*5915.085	*5995.589	*6057.958 *
25.5	5078.665	*5397.052	*5673.615	*5884.561	*6035.484	*6173.876	*6300.398	*6410.653	*6503.140	*6576.448 *
22.5	5397.666	*5719.869	*6018.139	*6242.388	*6408.201	*6560.102	*6698.698	*6802.143	*6890.061	*6960.861 *
19.5	5674.028	*6017.444	*6332.972	*6579.521	*6747.041	*6885.447	*7011.811	*7129.701	*7231.272	*7314.026 *
17.0	5884.176	*6238.611	*6575.843	*6808.653	*6970.832	*7123.502	*7264.585	*7365.424	*7452.508	*7525.029 *
15.0	6030.764	*6400.280	*6737.586	*6963.900	*7137.364	*7294.240	*7408.123	*7511.434	*7606.473	*7687.793 *
13.0	6158.438	*6544.792	*6866.602	*7105.500	*7282.618	*7414.310	*7538.221	*7652.140	*7754.699	*7847.051 *
11.0	6269.961	*6667.129	*6979.086	*7231.204	*7382.137	*7523.288	*7657.835	*7784.090	*7898.035	*8000.733 *
9.0	6364.020	*6749.751	*7073.131	*7312.972	*7468.171	*7618.561	*7764.910	*7904.374	*8032.536	*8145.393 *
7.0	6439.404	*6816.008	*7149.065	*7374.228	*7536.507	*7696.880	*7855.638	*8008.147	*8150.765	*8268.255 *
5.0	6495.076	*6864.683	*7205.113	*7418.834	*7586.559	*7754.453	*7922.287	*8088.852	*8231.482	*8367.076 *
3.0	6530.243	*6894.800	*7231.469	*7445.246	*7616.271	*7788.232	*7960.804	*8127.168	*8276.566	*8428.783 *
1.0	6544.416	*6905.718	*7237.969	*7452.421	*7626.927	*7796.237	*7968.840	*8129.583	*8277.910	*8436.920 *
0.0	6543.571	*6903.886	*7234.877	*7448.658	*7619.682	*7790.382	*7961.083	*8118.337	*8262.144	*8405.952 *
-1.0	6538.648	*6898.744	*7229.428	*7441.936	*7614.416	*7780.701	*7949.169	*8104.125	*8243.655	*8386.964 *
-3.0	6513.075	*6874.034	*7206.139	*7414.232	*7579.402	*7742.789	*7903.666	*8053.870	*8179.984	*8294.548 *
-5.0	6466.904	*6830.577	*7163.795	*7368.549	*7527.112	*7682.309	*7832.678	*7975.701	*8087.271	*8178.948 *
-7.0	6400.857	*6769.275	*7092.750	*7306.568	*7457.110	*7602.571	*7740.272	*7865.903	*7973.841	*8048.258 *
-9.0	6315.926	*6691.308	*7003.160	*7230.246	*7371.937	*7506.002	*7630.698	*7742.407	*7836.619	*7918.228 *
-11.0	6213.299	*6598.038	*6896.962	*7136.166	*7272.982	*7396.799	*7510.318	*7610.186	*7692.586	*7824.287 *
-13.0	6094.291	*6466.953	*6775.016	*7000.553	*7164.065	*7278.244	*7381.578	*7471.554	*7562.315	*7710.141 *
-15.0	5960.274	*6316.506	*6639.249	*6851.686	*7011.658	*7152.423	*7246.739	*7327.956	*7449.782	*7581.374 *
-17.0	5810.312	*6151.235	*6473.192	*6691.630	*6840.591	*6978.062	*7101.896	*7198.846	*7324.492	*7441.313 *
-19.5	5600.624	*5927.490	*6227.849	*6459.862	*6614.605	*6738.985	*6849.837	*6995.915	*7131.924	*7252.901 *
-22.5	5326.500	*5631.668	*5913.143	*6123.771	*6277.716	*6416.929	*6569.406	*6699.605	*6817.321	*6920.576 *
-25.5	5011.948	*5313.459	*5573.422	*5770.374	*5910.386	*6052.374	*6200.247	*6334.191	*6452.514	*6553.522 *
-29.0	4539.364	*4873.448	*5155.969	*5331.927	*5468.003	*5612.462	*5744.969	*5864.166	*5967.279	*6053.323 *
-33.0	3945.409	*4266.297	*4537.595	*4745.673	*4915.655	*5070.983	*5192.715	*5293.468	*5380.827	*5453.829 *
-37.5	3175.218	*3476.863	*3748.032	*3973.204	*4137.048	*4270.245	*4389.156	*4492.990	*4581.005	*4652.531 *
-42.5	2314.718	*2565.728	*2804.618	*2991.833	*3131.136	*3257.866	*3369.990	*3466.969	*3548.317	*3613.612 *
-47.5	1528.061	*1708.728	*1885.477	*2027.964	*2142.577	*2245.702	*2336.898	*2415.752	*2481.887	*2534.967 *
-55.0	696.663	783.682	863.183	922.949 *	966.260 *	1005.379	*1040.133	*1070.359	*1095.903	*1116.619 *
-65.0	281.761	295.436	307.939	317.360	324.185	330.330	335.755	340.419	344.281	347.304
-75.0	93.113	97.191	100.803	103.453	105.333	106.998	108.447	109.678	110.690	112.168
-85.0	13.035	13.614	14.167	14.606	14.942	15.264	15.861	16.057	16.252	16.447
-90.0	0.026	0.027	0.028	0.029	0.030	0.031	0.031	0.032	0.032	0.033

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	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
85.0	14.244	14.230	14.223	14.220	14.213	14.207	14.200	14.194	14.187	13.816
75.0	108.040	107.620	107.410	107.400	107.379	107.358	106.041	105.175	104.100	102.818
65.0	336.683	335.004	334.164	334.220	334.331	331.643	329.124	325.785	321.658	316.775

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	1093.091	*1094.489	*1095.188	*1092.927	*1088.407	*1068.498	*1049.418	*1025.711	*997.511	* 964.963	*
47.5	2520.263	*2538.924	*2543.089	*2535.063	*2508.764	*2468.998	*2416.048	*2350.247	*2271.972	*2181.638	*
42.5	3612.135	*3633.424	*3637.710	*3627.167	*3593.474	*3543.175	*3476.591	*3394.123	*3296.241	*3183.478	*
37.5	4670.052	*4692.058	*4696.216	*4683.101	*4643.315	*4585.814	*4511.137	*4419.925	*4312.898	*4190.847	*
33.0	5486.078	*5507.576	*5512.065	*5495.754	*5450.808	*5390.004	*5314.140	*5224.109	*5120.877	*4996.293	*
29.0	6102.401	*6128.242	*6134.034	*6113.315	*6057.849	*5984.459	*5894.237	*5787.668	*5665.893	*5531.045	*
25.5	6629.331	*6660.792	*6668.262	*6642.807	*6575.714	*6488.189	*6381.822	*6258.355	*6119.585	*5967.282	*
22.5	7013.099	*7045.585	*7054.147	*7024.437	*6950.096	*6857.297	*6747.969	*6624.150	*6487.844	*6331.307	*
19.5	7366.169	*7398.348	*7408.035	*7373.128	*7291.161	*7191.138	*7063.566	*6920.981	*6768.660	*6656.938	*
17.0	7580.904	*7618.307	*7629.646	*7588.692	*7493.039	*7381.711	*7257.959	*7124.785	*7025.324	*6901.002	*
15.0	7751.109	*7796.759	*7806.934	*7762.555	*7649.952	*7523.658	*7385.220	*7257.588	*7175.502	*7080.302	*
13.0	7920.106	*7970.148	*7985.573	*7929.841	*7801.407	*7656.066	*7500.070	*7406.588	*7315.319	*7210.779	*
11.0	8086.019	*8145.589	*8164.212	*8096.944	*7943.688	*7774.308	*7635.261	*7550.019	*7448.445	*7333.453	*
9.0	8242.487	*8312.800	*8336.154	*8253.053	*8068.348	*7871.004	*7783.269	*7685.341	*7571.854	*7446.164	*
7.0	8377.891	*8469.489	*8501.400	*8393.669	*8160.916	*8008.295	*7922.093	*7809.529	*7682.425	*7548.211	*
5.0	8495.238	*8627.556	*8666.646	*8523.181	*8221.833	*8146.752	*8041.666	*7919.409	*7783.644	*7639.042	*
3.0	8540.094	*8609.660	*8648.447	*8502.153	*8358.359	*8268.837	*8148.018	*8016.164	*7868.197	*7711.638	*
1.0	8517.028	*8594.150	*8630.248	*8533.518	*8458.295	*8380.665	*8230.629	*8084.902	*7928.466	*7762.469	*
0.0	8492.031	*8578.110	*8621.149	*8578.434	*8493.003	*8407.572	*8257.608	*8107.644	*7948.041	*7778.799	*
-1.0	8465.447	*8538.578	*8631.787	*8595.562	*8515.274	*8435.850	*8271.829	*8118.139	*7956.187	*7786.036	*
-3.0	8373.538	*8510.379	*8653.064	*8617.571	*8544.308	*8422.306	*8266.809	*8113.579	*7949.747	*7781.361	*
-5.0	8243.378	*8534.138	*8674.341	*8638.207	*8511.374	*8371.687	*8224.929	*8074.611	*7914.733	*7752.231	*
-7.0	8189.517	*8411.868	*8515.359	*8485.007	*8396.998	*8283.476	*8154.820	*8007.633	*7855.481	*7701.068	*
-9.0	8103.639	*8277.838	*8356.377	*8333.648	*8265.171	*8169.912	*8048.852	*7915.949	*7775.566	*7627.819	*
-11.0	7984.229	*8128.423	*8191.509	*8172.712	*8113.365	*8028.326	*7923.169	*7804.882	*7675.869	*7536.840	*
-13.0	7847.473	*7968.428	*8020.755	*8004.386	*7953.029	*7878.922	*7785.296	*7679.012	*7560.725	*7432.288	*
-15.0	7701.466	*7808.330	*7850.001	*7838.194	*7789.566	*7723.697	*7640.399	*7543.163	*7435.307	*7316.795	*
-17.0	7546.229	*7635.861	*7673.900	*7661.258	*7621.424	*7563.461	*7489.297	*7401.073	*7296.970	*7152.816	*
-19.5	7346.328	*7421.958	*7453.774	*7443.080	*7409.023	*7355.412	*7272.422	*7171.757	*7055.727	*6925.303	*
-22.5	7007.368	*7075.804	*7102.613	*7093.777	*7060.982	*7008.941	*6939.035	*6852.861	*6752.113	*6614.179	*
-25.5	6635.597	*6697.294	*6720.117	*6712.960	*6682.365	*6630.706	*6559.025	*6468.596	*6360.851	*6237.297	*
-29.0	6122.518	*6173.872	*6192.599	*6187.312	*6162.681	*6119.746	*6059.216	*5980.133	*5882.732	*5769.905	*
-33.0	5511.583	*5553.298	*5567.930	*5564.178	*5544.057	*5507.407	*5454.711	*5386.580	*5303.732	*5198.644	*
-37.5	4706.981	*4743.874	*4755.619	*4752.560	*4732.952	*4695.526	*4640.596	*4568.596	*4480.055	*4375.593	*
-42.5	3662.505	*3694.732	*3704.537	*3701.671	*3683.258	*3647.995	*3596.025	*3527.586	*3442.993	*3342.636	*
-47.5	2574.701	*2600.849	*2608.769	*2606.255	*2590.866	*2561.738	*2519.009	*2462.872	*2393.572	*2311.402	*
-55.0	1138.212	*1143.702	*1146.449	*1147.120	*1148.460	*1133.506	*1119.278	*1099.957	*1075.616	*1046.342	*
-65.0	350.516	350.802	350.945	351.911	353.842	352.824	351.976	350.257	347.695	344.322	
-75.0	112.304	112.440	112.508	112.818	113.438	114.059	113.314	113.031	112.515	111.764	
-85.0	16.643	16.838	16.936	16.936	16.937	16.938	16.939	16.939	16.940	16.506	
-90.0	0.033	0.034	0.034	0.034	0.034	0.034	0.034	0.033	0.033	0.033	

Vert. 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	0.027	0.027	0.027	0.026	0.026	0.025	0.024	0.022	0.020	0.019
85.0	13.690	13.547	13.346	13.070	12.760	12.354	11.790	11.081	10.222	9.298
75.0	101.330	99.638	97.241	93.955	90.234	85.358	79.463	71.898	62.351	51.658
65.0	311.169	304.875	296.093	284.303	271.265	253.131	227.405	197.567	167.876	138.148
55.0	928.217	* 887.435	* 831.033	755.836	673.248	571.028	503.483	424.889	327.194	268.119
47.5	2079.692	*1966.606	*1826.922	*1654.528	*1476.502	*1249.600	*998.460	* 795.868	555.264	425.520
42.5	3056.414	*2917.335	*2731.754	*2494.818	*2245.029	*1922.060	*1587.010	*1184.282	*848.705	555.484
37.5	4054.603	*3889.856	*3664.287	*3392.075	*3089.897	*2713.411	*2251.498	*1728.050	*1188.339	*800.875
33.0	4837.022	*4663.318	*4451.321	*4174.394	*3850.083	*3414.899	*2880.013	*2256.828	*1594.659	*1013.335
29.0	5384.477	*5247.923	*5071.988	*4785.794	*4444.970	*4034.021	*3423.581	*2728.121	*1938.793	*1274.164
25.5	5822.905	*5682.483	*5486.066	*5226.107	*4922.431	*4454.596	*3867.657	*3115.867	*2276.399	*1510.839

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	6191.379	*6036.525	*5824.496	*5542.567	*5236.835	*4805.739	*4201.102	*3430.360	*2539.812	*1696.054 *
19.5	6530.571	*6373.980	*6140.513	*5837.991	*5509.991	*5104.226	*4492.455	*3715.570	*2777.114	*1863.568 *
17.0	6761.658	*6609.524	*6387.069	*6062.804	*5719.384	*5294.685	*4712.135	*3928.794	*2953.473	*1997.799 *
15.0	6937.679	*6774.287	*6555.751	*6228.963	*5873.509	*5435.786	*4870.913	*4081.606	*3083.116	*2105.617 *
13.0	7095.524	*6928.508	*6696.177	*6383.679	*6015.867	*5564.850	*5013.501	*4204.943	*3199.891	*2201.515 *
11.0	7208.385	*7070.108	*6826.099	*6524.165	*6143.429	*5680.687	*5121.047	*4313.050	*3301.923	*2285.154 *
9.0	7310.771	*7171.997	*6944.537	*6629.010	*6254.810	*5782.086	*5206.705	*4405.292	*3388.731	*2356.232 *
7.0	7406.469	*7258.671	*7045.937	*6718.167	*6348.673	*5865.939	*5278.302	*4481.106	*3459.895	*2414.489 *
5.0	7487.729	*7331.249	*7128.343	*6790.267	*6423.798	*5931.431	*5335.059	*4540.019	*3515.064	*2459.711 *
3.0	7551.581	*7387.731	*7180.965	*6844.133	*6479.155	*5979.642	*5376.286	*4581.663	*3553.962	*2491.735 *
1.0	7598.371	*7426.372	*7214.357	*6878.876	*6513.972	*6010.061	*5401.408	*4605.785	*3576.401	*2510.454 *
0.0	7609.557	*7438.587	*7224.874	*6888.900	*6523.522	*6018.495	*5407.787	*4611.231	*3581.413	*2514.806 *
-1.0	7618.865	*7443.945	*7229.114	*6891.706	*6525.371	*6019.973	*5408.859	*4611.404	*3580.763	*2513.758 *
-3.0	7612.167	*7439.849	*7224.839	*6882.483	*6513.234	*6009.301	*5398.476	*4598.480	*3567.006	*2501.626 *
-5.0	7585.965	*7416.198	*7200.340	*6853.729	*6480.204	*5980.602	*5371.509	*4567.910	*3536.669	*2476.122 *
-7.0	7538.757	*7373.867	*7145.316	*6806.097	*6426.844	*5934.247	*5328.231	*4519.866	*3489.859	*2437.313 *
-9.0	7472.613	*7314.295	*7070.059	*6740.580	*6354.010	*5868.092	*5269.061	*4454.647	*3426.781	*2385.320 *
-11.0	7390.963	*7235.001	*6976.377	*6658.416	*6262.785	*5781.814	*5194.546	*4372.656	*3347.715	*2320.319 *
-13.0	7295.883	*7113.815	*6867.097	*6538.888	*6154.415	*5678.985	*5097.377	*4274.400	*3253.022	*2242.534 *
-15.0	7156.000	*6977.731	*6743.859	*6400.935	*6030.230	*5560.647	*4965.804	*4160.468	*3143.125	*2152.235 *
-17.0	6996.138	*6828.982	*6589.914	*6248.029	*5888.388	*5427.892	*4817.348	*4015.768	*3019.941	*2049.734 *
-19.5	6782.202	*6609.875	*6358.328	*6037.654	*5683.281	*5243.796	*4609.560	*3811.545	*2851.262	*1921.105 *
-22.5	6456.966	*6286.351	*6056.729	*5747.825	*5412.661	*4954.266	*4330.682	*3535.448	*2622.197	*1758.811 *
-25.5	6097.706	*5940.761	*5719.612	*5430.485	*5100.519	*4613.068	*4005.024	*3228.195	*2365.908	*1577.496 *
-29.0	5642.830	*5499.227	*5300.043	*4991.352	*4632.114	*4201.857	*3565.468	*2845.825	*2035.181	*1343.637 *
-33.0	5059.112	*4903.512	*4681.914	*4386.202	*4042.094	*3583.023	*3023.446	*2376.884	*1691.594	*1082.513 *
-37.5	4255.895	*4104.373	*3891.255	*3598.096	*3275.962	*2876.519	*2390.934	*1843.909	*1278.937	*862.344
-42.5	3226.968	*3097.817	*2921.522	*2681.976	*2413.468	*2070.522	*1712.698	*1286.576	*923.267 *	602.576
-47.5	2216.692	*2109.814	*1975.913	*1807.740	*1617.436	*1372.815	*1101.678	*874.945 *	608.757	461.730
-55.0	1012.235	*973.402 *	918.401 *	843.262	758.267	641.842	561.980	470.048	357.873	292.056
-65.0	340.171	335.274	328.156	318.245	306.951	288.608	258.816	223.669	187.483	152.383
-75.0	110.775	109.547	107.675	104.931	101.644	97.126	89.920	80.735	69.302	56.645
-85.0	16.363	16.200	15.969	15.652	15.291	14.817	13.941	12.821	11.535	10.223
-90.0	0.033	0.032	0.032	0.031	0.031	0.030	0.028	0.026	0.023	0.020

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	0.016	0.012	0.008	0.003	0.000
85.0	7.807	5.943	3.919	1.414	0.003
75.0	40.074	23.838	11.682	4.203	0.009
65.0	99.149	55.644	25.112	6.878	0.014
55.0	179.787	100.305	42.601	9.363	0.019
47.5	265.405	138.727	54.842	11.061	0.023
42.5	323.886	165.384	65.881	12.096	0.025
37.5	425.192	190.088	75.946	13.047	0.027
33.0	509.273	217.548	84.104	13.822	0.028
29.0	583.354	242.773	90.593	14.444	0.029
25.5	693.102	262.702	95.654	14.934	0.030
22.5	778.299	278.099	99.517	15.311	0.031
19.5	854.775	291.866	102.929	15.648	0.032
17.0	911.488 *	302.045	105.422	15.897	0.032
15.0	952.071 *	309.316	107.182	16.075	0.032
13.0	988.253 *	315.792	108.733	16.233	0.033
11.0	1019.912	*321.457	110.071	16.680	0.033
9.0	1046.929	*326.295	111.196	16.699	0.033

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

CANDELA TABULATION - (Cont.)

7.0	1069.201	*330.294	112.107	16.718	0.033
5.0	1086.632	*333.441	113.478	16.737	0.033
3.0	1104.820	*336.714	113.523	16.756	0.034
1.0	1107.290	*337.246	113.568	16.784	0.034
0.0	1108.526	*337.512	113.591	16.784	0.034
-1.0	1109.197	*337.611	113.653	16.776	0.034
-3.0	1110.537	*337.810	113.778	16.759	0.034
-5.0	1096.018	*335.251	113.902	16.742	0.033
-7.0	1082.141	*332.805	112.690	16.725	0.033
-9.0	1063.225	*329.485	111.938	16.708	0.033
-11.0	1039.314	*325.297	110.964	16.691	0.033
-13.0	1010.462	*320.249	109.769	16.246	0.033
-15.0	976.741	* 314.349	108.352	16.089	0.032
-17.0	938.233	* 307.610	106.715	15.913	0.032
-19.5	883.511	* 298.024	104.359	15.666	0.032
-22.5	808.462	284.853	101.084	15.332	0.031
-25.5	723.558	269.916	97.325	14.957	0.030
-29.0	612.636	250.334	92.340	14.469	0.029
-33.0	537.412	225.242	85.873	13.849	0.028
-37.5	450.460	197.721	77.651	13.075	0.027
-42.5	343.785	172.905	67.402	12.125	0.025
-47.5	283.347	145.822	56.061	11.090	0.023
-55.0	193.748	106.074	43.572	9.391	0.019
-65.0	107.811	58.354	25.601	6.900	0.014
-75.0	42.956	24.707	11.812	4.218	0.009
-85.0	8.238	6.065	3.964	1.419	0.003
-90.0	0.017	0.012	0.008	0.003	0.000

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6558.01

Total Field Lumens (one side of beam only) = 6167.37

* 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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
75	0.19	0.37	0.37	0.37	0.36	0.36	0.35	0.35	0.34	0.41
65	0.67	1.35	1.34	1.33	1.32	1.30	1.28	1.25	1.22	1.47
55	2.18	4.34	4.30	4.23	4.14	4.04	3.91	3.77	3.61	4.26
47.5	4.15 *	8.26 *	8.15 *	7.99 *	7.79 *	7.53 *	7.23 *	6.89 *	6.51 *	7.58 *
42.5	4.70 *	9.35 *	9.23 *	9.06 *	8.83 *	8.55 *	8.22 *	7.85 *	7.43 *	8.66 *
37.5	6.34 *	12.62 *	12.48 *	12.27 *	12.00 *	11.67 *	11.28 *	10.84 *	10.34 *	12.13 *
33	6.99 *	13.91 *	13.78 *	13.58 *	13.32 *	13.01 *	12.63 *	12.19 *	11.68 *	13.80 *
29	7.09 *	14.11 *	13.97 *	13.78 *	13.53 *	13.23 *	12.87 *	12.46 *	11.99 *	14.30 *
25.5	6.82 *	13.56 *	13.42 *	13.22 *	12.97 *	12.67 *	12.33 *	11.95 *	11.55 *	13.84 *
22.5	6.26 *	12.45 *	12.32 *	12.13 *	11.90 *	11.63 *	11.32 *	10.97 *	10.61 *	12.70 *
19.5	6.60 *	13.12 *	12.98 *	12.78 *	12.54 *	12.25 *	11.93 *	11.60 *	11.22 *	13.44 *
17	5.72 *	11.36 *	11.23 *	11.06 *	10.85 *	10.61 *	10.36 *	10.08 *	9.77 *	11.71 *
15	4.69 *	9.32 *	9.21 *	9.06 *	8.89 *	8.72 *	8.53 *	8.31 *	8.05 *	9.66 *
13	4.80 *	9.53 *	9.39 *	9.23 *	9.06 *	8.89 *	8.71 *	8.49 *	8.23 *	9.88 *
11	4.91 *	9.73 *	9.58 *	9.40 *	9.23 *	9.05 *	8.86 *	8.64 *	8.39 *	10.07 *
9	5.01 *	9.92 *	9.74 *	9.56 *	9.39 *	9.20 *	8.99 *	8.76 *	8.51 *	10.23 *
7	5.11 *	10.09 *	9.90 *	9.72 *	9.55 *	9.34 *	9.11 *	8.87 *	8.61 *	10.37 *
5	5.20 *	10.24 *	10.03 *	9.87 *	9.68 *	9.46 *	9.22 *	8.96 *	8.70 *	10.47 *
3	5.25 *	10.33 *	10.15 *	9.98 *	9.78 *	9.55 *	9.30 *	9.03 *	8.76 *	10.55 *
1	5.24 *	10.37 *	10.24 *	10.06 *	9.85 *	9.61 *	9.35 *	9.08 *	8.80 *	10.59 *
0	2.62 *	5.19 *	5.13 *	5.05 *	4.94 *	4.82 *	4.69 *	4.55 *	4.41 *	5.30 *
-1	2.62 *	5.19 *	5.14 *	5.05 *	4.94 *	4.82 *	4.69 *	4.55 *	4.41 *	5.31 *
	5.24 *	10.37 *	10.25 *	10.07 *	9.86 *	9.62 *	9.36 *	9.09 *	8.81 *	10.60 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	5.25 *	10.35 *	10.17 *	10.00 *	9.80 *	9.57 *	9.32 *	9.05 *	8.78 *	10.56 *
-5	5.21 *	10.26 *	10.06 *	9.89 *	9.71 *	9.49 *	9.25 *	8.99 *	8.72 *	10.50 *
-7	5.12 *	10.12 *	9.93 *	9.76 *	9.58 *	9.38 *	9.15 *	8.91 *	8.65 *	10.40 *
-9	5.03 *	9.95 *	9.79 *	9.61 *	9.44 *	9.25 *	9.04 *	8.80 *	8.55 *	10.28 *
-11	4.93 *	9.77 *	9.62 *	9.45 *	9.28 *	9.10 *	8.90 *	8.68 *	8.43 *	10.12 *
-13	4.82 *	9.58 *	9.45 *	9.29 *	9.12 *	8.95 *	8.76 *	8.54 *	8.28 *	9.94 *
-15	4.72 *	9.38 *	9.26 *	9.12 *	8.95 *	8.78 *	8.59 *	8.36 *	8.10 *	9.73 *
-17	5.75 *	11.43 *	11.31 *	11.14 *	10.93 *	10.70 *	10.45 *	10.16 *	9.85 *	11.81 *
-19.5	6.64 *	13.21 *	13.07 *	12.88 *	12.64 *	12.36 *	12.05 *	11.71 *	11.33 *	13.57 *
-22.5	6.31 *	12.55 *	12.42 *	12.24 *	12.02 *	11.75 *	11.44 *	11.10 *	10.73 *	12.85 *
-25.5	6.88 *	13.68 *	13.55 *	13.36 *	13.11 *	12.82 *	12.48 *	12.10 *	11.70 *	14.01 *
-29	7.16 *	14.25 *	14.12 *	13.93 *	13.69 *	13.39 *	13.04 *	12.63 *	12.17 *	14.52 *
-33	7.07 *	14.08 *	13.95 *	13.76 *	13.51 *	13.20 *	12.83 *	12.40 *	11.89 *	14.07 *
-37.5	6.44 *	12.82 *	12.68 *	12.49 *	12.22 *	11.90 *	11.52 *	11.08 *	10.58 *	12.44 *
-42.5	4.80 *	9.56 *	9.45 *	9.28 *	9.06 *	8.78 *	8.45 *	8.08 *	7.67 *	8.96 *
-47.5	4.29 *	8.53 *	8.43 *	8.27 *	8.07 *	7.82 *	7.52 *	7.17 *	6.79 *	7.92 *
-55	2.28	4.55	4.51	4.44	4.35	4.24	4.12	3.97	3.80	4.49
-65	0.71	1.41	1.41	1.40	1.38	1.36	1.34	1.31	1.28	1.55
-75	0.20	0.39	0.39	0.39	0.39	0.38	0.38	0.37	0.36	0.44
-85	0.01	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03
-90										
Total	202.01	401.00	395.97	389.63	382.01	373.22	363.21	352.01	339.66	405.53

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
85	0.47	0.45	0.49	0.51	0.50	0.47	0.37	0.40	0.30	0.12
75	1.69	1.59	1.71	1.74	1.66	1.50	1.16	1.21	0.85	0.30
65	4.71	4.23	4.30	4.17	3.89	3.35	2.49	2.51	1.69	0.58
55	8.24 *	7.27 *	7.20 *	6.65	5.86	4.72	3.27	3.13	1.99	0.66

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	9.44 *	8.36 *	8.32 *	7.67 *	6.54 *	5.07	3.30	2.87	1.73	0.55
42.5	13.33 *	11.92 *	12.03 *	11.28 *	9.65 *	7.40 *	4.70	3.86	2.13	0.65
37.5	15.32 *	13.87 *	14.19 *	13.48 *	11.71 *	9.09 *	5.72 *	4.53	2.33	0.67
33	16.04 *	14.65 *	15.18 *	14.62 *	12.88 *	10.15 *	6.41 *	4.93	2.39	0.66
29	15.61 *	14.39 *	15.05 *	14.67 *	13.10 *	10.46 *	6.72 *	5.17 *	2.40	0.63
25.5	14.36 *	13.31 *	14.02 *	13.79 *	12.48 *	10.11 *	6.58 *	5.09 *	2.32	0.57
22.5	15.17 *	14.07 *	14.90 *	14.79 *	13.50 *	11.06 *	7.26 *	5.63 *	2.53	0.60
19.5	13.22 *	12.25 *	12.99 *	12.97 *	11.94 *	9.87 *	6.53 *	5.07 *	2.26	0.52
17	10.92 *	10.11 *	10.72 *	10.74 *	9.96 *	8.28 *	5.51 *	4.30 *	1.89	0.43
15	11.18 *	10.36 *	10.98 *	11.02 *	10.27 *	8.58 *	5.75 *	4.49 *	1.96	0.44
13	11.41 *	10.58 *	11.21 *	11.27 *	10.53 *	8.84 *	5.96 *	4.66 *	2.02	0.44
11	11.60 *	10.77 *	11.41 *	11.47 *	10.74 *	9.05 *	6.14 *	4.81 *	2.07	0.45
9	11.76 *	10.92 *	11.58 *	11.64 *	10.91 *	9.23 *	6.29 *	4.93 *	2.11	0.45
7	11.88 *	11.04 *	11.71 *	11.77 *	11.05 *	9.38 *	6.40 *	5.03 *	2.14	0.46
5	11.97 *	11.13 *	11.81 *	11.86 *	11.15 *	9.48 *	6.49 *	5.10 *	2.17	0.46
3	12.03 *	11.18 *	11.88 *	11.92 *	11.21 *	9.54 *	6.54 *	5.15 *	2.18	0.46
1	6.02 *	5.60 *	5.95 *	5.97 *	5.62 *	4.78 *	3.28 *	2.58 *	1.09	0.23
0	6.02 *	5.60 *	5.95 *	5.98 *	5.62 *	4.78 *	3.28 *	2.58 *	1.09	0.23
-1	12.04 *	11.19 *	11.89 *	11.93 *	11.22 *	9.55 *	6.55 *	5.15 *	2.19	0.46
-3	11.99 *	11.15 *	11.83 *	11.88 *	11.16 *	9.50 *	6.50 *	5.12 *	2.17	0.46
-5	11.91 *	11.07 *	11.75 *	11.80 *	11.08 *	9.40 *	6.42 *	5.05 *	2.15	0.46
-7	11.80 *	10.96 *	11.62 *	11.68 *	10.95 *	9.27 *	6.31 *	4.96 *	2.12	0.46
-9	11.65 *	10.82 *	11.46 *	11.52 *	10.79 *	9.10 *	6.17 *	4.84 *	2.08	0.45
-11	11.47 *	10.64 *	11.27 *	11.33 *	10.59 *	8.89 *	6.00 *	4.70 *	2.03	0.45
-13	11.25 *	10.43 *	11.05 *	11.09 *	10.34 *	8.65 *	5.80 *	4.54 *	1.98	0.44
-15	11.00 *	10.19 *	10.80 *	10.81 *	10.04 *	8.36 *	5.57 *	4.35 *	1.91	0.43
-17	13.33 *	12.35 *	13.10 *	13.07 *	12.05 *	9.98 *	6.61 *	5.14 *	2.28	0.52
-19.5	15.32 *	14.20 *	15.04 *	14.93 *	13.65 *	11.20 *	7.37 *	5.72 *	2.57	0.61

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	14.52 *	13.45 *	14.17 *	13.96 *	12.65 *	10.26 *	6.69 *	5.18 *	2.35	0.58
-25.5	15.81 *	14.57 *	15.25 *	14.88 *	13.31 *	10.66 *	6.86 *	5.27 *	2.44	0.64
-29	16.29 *	14.89 *	15.44 *	14.89 *	13.14 *	10.38 *	6.57 *	5.05 *	2.44	0.67
-33	15.64 *	14.16 *	14.50 *	13.79 *	12.01 *	9.34 *	5.89 *	4.65	2.38	0.68
-37.5	13.70 *	12.26 *	12.39 *	11.63 *	9.97 *	7.65 *	4.86 *	3.98	2.19	0.66
-42.5	9.78 *	8.68 *	8.65 *	7.98 *	6.81 *	5.27 *	3.42	2.97	1.77	0.56
-47.5	8.63 *	7.63 *	7.56 *	6.98 *	6.13	4.92	3.39	3.24	2.05	0.67
-55	4.97	4.47	4.53	4.39	4.09	3.50	2.59	2.61	1.74	0.60
-65	1.77	1.67	1.80	1.83	1.75	1.58	1.21	1.25	0.87	0.31
-75	0.50	0.47	0.52	0.53	0.53	0.49	0.38	0.41	0.31	0.12
-85	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
-90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
Total	455.82	418.95	438.26	430.98	393.04	323.19	215.37	172.27	81.69	20.82

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.49	
85				
	0.03	0.00	7.56	
75				
	0.06	0.00	25.99	
65				
	0.11	0.00	70.83	
55				
	0.11	0.00	121.18	
47.5				
	0.09	0.00	135.84	
42.5				
	0.11	0.00	189.03	
37.5				
	0.11	0.00	215.90	
33				
	0.11	0.00	225.36	
29				
	0.10	0.00	220.61	
25.5				
	0.09	0.00	205.01	
22.5				
	0.09	0.00	218.06	
19.5				
	0.08	0.00	190.45	
17				
	0.06	0.00	157.35	

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

LUMENS TABULATION - (Cont.)

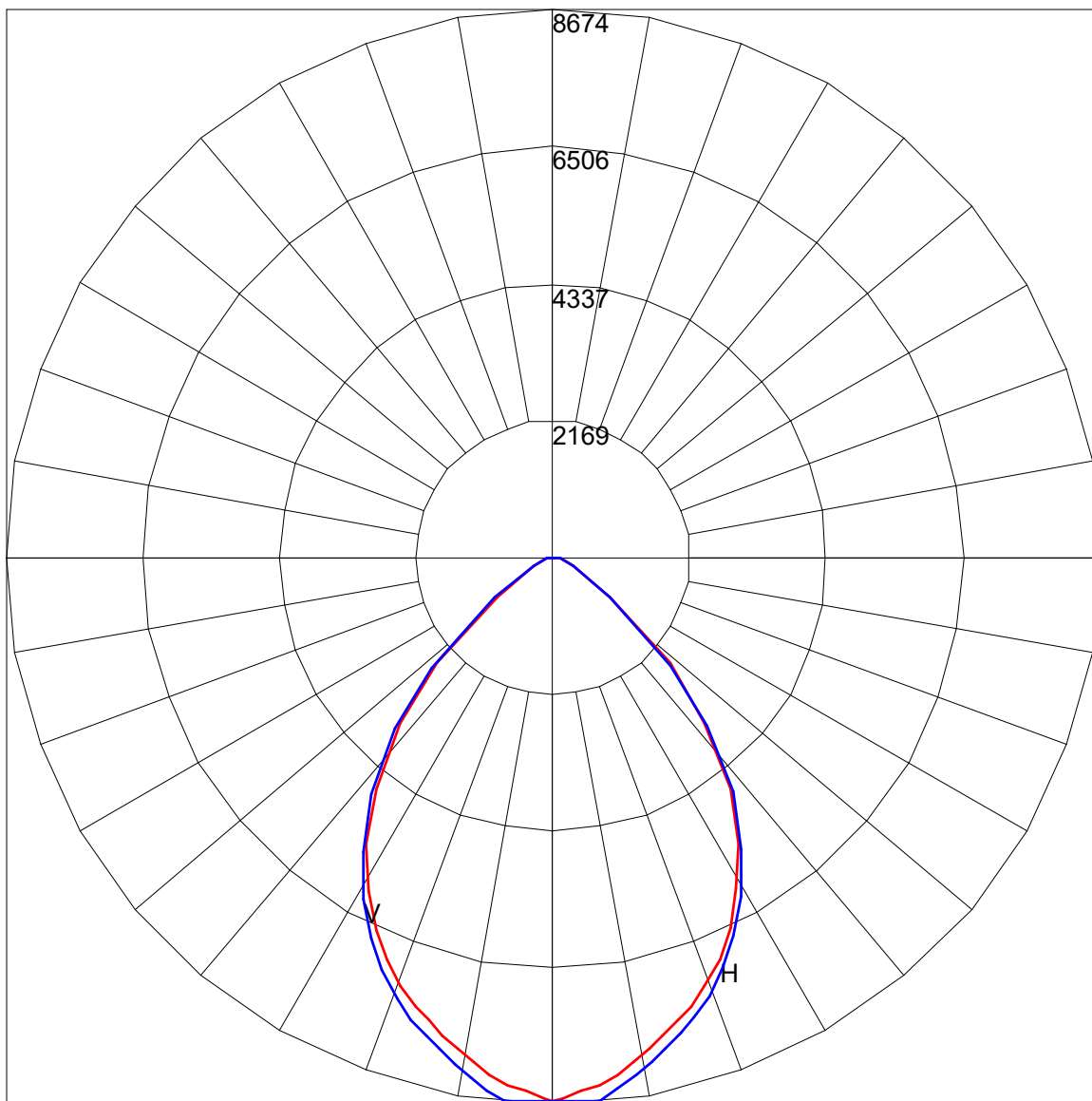
15	0.06	0.00	161.30
13	0.07	0.00	164.83
11	0.07	0.00	167.91
9	0.07	0.00	170.56
7	0.07	0.00	172.76
5	0.07	0.00	174.38
3	0.07	0.00	175.35
1	0.03	0.00	87.87
0	0.03	0.00	87.89
-1	0.07	0.00	175.51
-3	0.07	0.00	174.70
-5	0.07	0.00	173.24
-7	0.07	0.00	171.19
-9	0.07	0.00	168.69
-11	0.07	0.00	165.74
-13	0.06	0.00	162.34
-15	0.06	0.00	158.51
-17	0.08	0.00	192.05
-19.5	0.09	0.00	220.17
-22.5	0.09	0.00	207.31
-25.5	0.10	0.00	223.48
-29	0.11	0.00	228.79
-33	0.11	0.00	219.90
-37.5	0.11	0.00	193.56
-42.5	0.09	0.00	140.08
-47.5	0.12	0.00	126.11
-55	0.11	0.00	74.36
-65	0.06	0.00	27.26

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

LUMENS TABULATION - (Cont.)

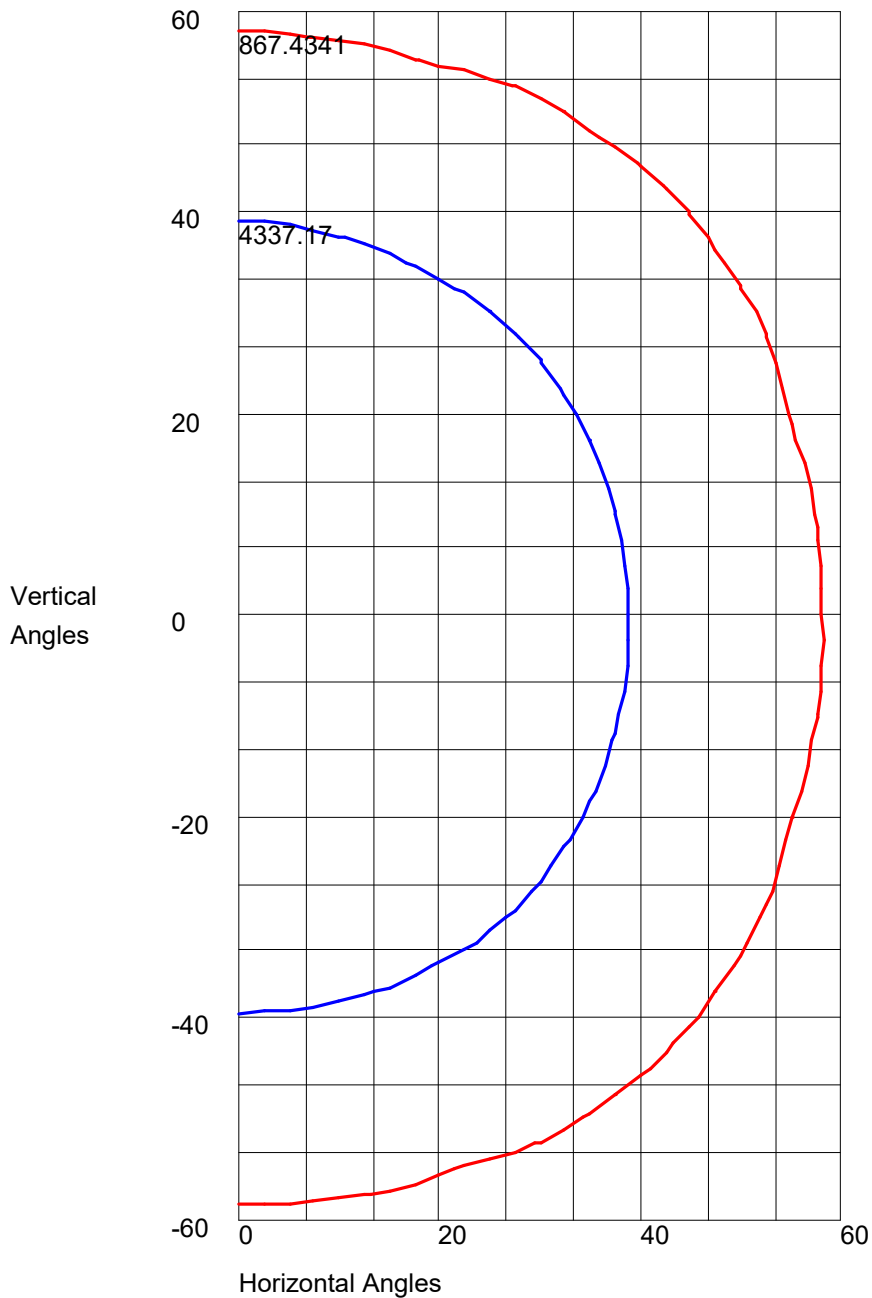
-75	0.03	0.00	7.98
-85	0.00	0.00	0.54
-90			
Total	3.30	0.06	6558.01

AXIAL CANDELA DISPLAY



Maximum Candela = 8674.341 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 8674.341 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 4337.1705
10% Maximum Candela = 867.4341