IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-SPOT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[MANUFAC] LARSON ELECTRONICS
[LUMCAT] LEDP5W-30-SPOT
[LUMINAIRE] LED LAMP
[LAMPCAT] LEDP5W-30-SPOT
[LAMP] CREE XLamp XPG

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	42500
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	14.1
Vertical Beam Angle (50%)	14.1
Horizontal Field Angle (10%)	35.9
Vertical Field Angle (10%)	36.0
Lumens Per Lamp	14790 (1 lamp)
Total Lamp Lumens	14790
Beam Lumens	1280
Beam Efficiency	9 %
Field Lumens	3775
Field Efficiency	26 %
Spill Lumens	4278
Luminaire Lumens	8053
Total Efficiency	54 %
Total Luminaire Watts	1000
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.28	90	1.59
85	21.37	85	25.95
75	106.9	75	112.83
65	353.5	65	364
55	752.55	55	770.8
47.5	1067.05	47.5	1082.93
42.5	1262.35	42.5	1270.98
37.5	1473.5	37.5	1469
33	1677.8	33	1656.2
29	1851	29	1822.2
25.5	1980.5	25.5	1966.4
22.5	2091.5	22.5	2090
19.5	2693.3	19.5	2701.85
17	5239.8	17	5246.1
15	7277	15	7281.5
13	9314.2	13	9316.9
11	11351.4	11	11352.3
9	15383	9	15383
7	21409	7	21409
5	27435	5	27435
3	33461	3	33461
1	39487	1	39487
0	42500	0	42500
-1	39487	-1	39487
-3	33461	-3	33461
-5	27435	-5	27435
-7	21409	-7	21409
-9	15383	-9	15383
-11	11351.4	-11	11352.3
-13	9314.2	-13	9316.9
-15	7277	-15	7281.5
-17	5239.8	-17	5246.1
-19.5	2693.3	-19.5	2701.85
-22.5	2091.5	-22.5	2090
-25.5	1980.5	-25.5	1966.4
-29	1851	-29	1822.2
-33	1677.8	-33	1656.2
-37.5	1473.5	-37.5	1469
-42.5	1262.35	-42.5	1270.98
-47.5	1067.05	-47.5	1082.93
-55	752.55	-55	770.8
-65	353.5	-65	364
-75	106.9	-75	112.83
-85	21.37	-85	25.95
-90	.28	-90	1.59

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CANDELA TABULATION
Maximum Candela = 42500
Beam Edge = 21250 Cd (50% of Max.)
Field Edge = 4250 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	0.24	0.32	0.47	0.62	0.77	0.88	0.96	1.03	1.10	1.16
85.0	0.24	2.17	6.06	9.90	13.58	16.16	17.77	19.27	20.51	21.54
75.0	0.25	5.82	17.09	28.24	38.93	47.02	59.25	70.41	79.46	86.67
65.0	0.26	9.30	27.60	48.19	96.66	129.72	149.87	168.32	201.97	237.02
55.0	0.26	12.49	37.27	95.85	162.52	276.43	359.00	435.73	499.09	551.05
47.5	0.27	14.65	44.38	128.50	275.62	437.11	538.38	648.82	741.24	816.39
42.5	0.27	15.95	56.24	148.45	357.07	537.06	669.84	795.61	900.86	986.24
37.5	0.27	17.13	67.05	166.75	432.24	645.95	794.02	934.53	1044.36	1130.53
33.0	0.28	18.08	75.81	199.75	493.84	736.78	897.60	1042.89	1158.54	1254.43
29.0	0.28	18.83	82.76	233.86	544.02	810.39	981.37	1128.17	1253.64	1362.29
25.5	0.28	19.41	88.18	260.51	590.02	868.68	1041.23	1196.89	1330.97	1455.46
22.5	0.28	19.85	92.30	280.86	625.35	913.70	1087.84	1250.80	1396.53	1533.51
19.5	0.28	20.24	95.94	298.83	656.67	953.83	1129.70	1299.58	1460.56	1605.67
17.0	0.28	20.52	98.58	311.93	679.60	982.20	1160.69	1335.94	1508.85	1660.61
15.0	0.28	20.71	100.44	321.16	695.79	1000.87	1182.78	1362.13	1543.81	1700.72
13.0	0.28	20.88	102.07	329.26	710.02	1017.34	1202.35	1388.89	1575.24	1737.07
11.0	0.28	21.03	103.47	336.21	722.25	1031.56	1219.30	1412.25	1602.90	1769.32
9.0	0.28	21.15	104.63	342.00	732.45	1043.45	1233.55	1432.06	1626.54	1797.12
7.0	0.28	21.24	105.55	346.62	740.59	1052.98	1245.01	1448.15	1645.94	1818.42
5.0	0.28	21.31	106.24	350.06	746.64	1060.08	1253.62	1460.40	1660.90	1833.51
3.0	0.28	21.35	106.68	352.33	750.59	1064.73	1259.32	1468.68	1671.24	1844.01
1.0	0.28	21.37	106.89	353.41	752.43	1066.90	1262.08	1472.92	1676.82	1849.84
0.0	0.28	21.37	106.90	353.50	752.55	1067.05	1262.35	1473.50	1677.80	1851.00
-1.0	0.28	21.37	106.89	353.41	752.43	1066.90	1262.08	1472.92	1676.82	1849.84
-3.0	0.28	21.35	106.68	352.33	750.59	1064.73	1259.32	1468.68	1671.24	1844.01
-5.0	0.28	21.31	106.24	350.06	746.64	1060.08	1253.62	1460.40	1660.90	1833.51
-7.0	0.28	21.24	105.55	346.62	740.59	1052.98	1245.01	1448.15	1645.94	1818.42
-9.0	0.28	21.15	104.63	342.00	732.45	1043.45	1233.55	1432.06	1626.54	1797.12
-11.0	0.28	21.03	103.47	336.21	722.25	1031.56	1219.30	1412.25	1602.90	1769.32
-13.0	0.28	20.88	102.07	329.26	710.02	1017.34	1202.35	1388.89	1575.24	1737.07
-15.0	0.28	20.71	100.44	321.16	695.79	1000.87	1182.78	1362.13	1543.81	1700.72
-17.0	0.28	20.52	98.58	311.93	679.60	982.20	1160.69	1335.94	1508.85	1660.61
-19.5	0.28	20.24	95.94	298.83	656.67	953.83	1129.70	1299.58	1460.56	1605.67
-22.5	0.28	19.85	92.30	280.86	625.35	913.70	1087.84	1250.80	1396.53	1533.51
-25.5	0.28	19.41	88.18	260.51	590.02	868.68	1041.23	1196.89	1330.97	1455.46
-29.0	0.28	18.83	82.76	233.86	544.02	810.39	981.37	1128.17	1253.64	1362.29
-33.0	0.28	18.08	75.81	199.75	493.84	736.78	897.60	1042.89	1158.54	1254.43
-37.5	0.27	17.13	67.05	166.75	432.24	645.95	794.02	934.53	1044.36	1130.53
-42.5	0.27	15.95	56.24	148.45	357.07	537.06	669.84	795.61	900.86	986.24
-47.5	0.27	14.65	44.38	128.50	275.62	437.11	538.38	648.82	741.24	816.39
-55.0	0.26	12.49	37.27	95.85	162.52	276.43	359.00	435.73	499.09	551.05
-65.0	0.26	9.30	27.60	48.19	96.66	129.72	149.87	168.32	201.97	237.02
-75.0	0.25	5.82	17.09	28.24	38.93	47.02	59.25	70.41	79.46	86.67
-85.0	0.24	2.17	6.06	9.90	13.58	16.16	17.77	19.27	20.51	21.54
-90.0	0.24	0.32	0.47	0.62	0.77	0.88	0.96	1.03	1.10	1.16

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	1.21	1.26	1.30	1.34	1.37	1.40	1.43	1.46	1.49	1.52
85.0	22.36	23.00	23.59	24.04	24.37	24.67	24.95	25.19	25.41	25.60
75.0	92.31	96.62	100.45	103.25	105.25	107.01	108.54	109.85	110.92	111.76
65.0	264.56	285.71	304.49	318.28	328.06	336.70	344.18	350.49	355.61	359.53
55.0	598.29	634.71	667.18	691.07	708.05	723.08	736.11	747.12	756.06	762.91
47.5	876.15	922.50	964.03	993.36	1012.48	1029.41	1044.09	1056.47	1066.53	1074.21
42.5	1046.83	1093.91	1136.13	1167.35	1189.59	1209.30	1226.40	1240.80	1252.46	1261.31
37.5	1199.70	1253.78	1302.53	1338.74	1364.73	1390.43	1412.66	1431.32	1446.29	1457.53
33.0	1332.01	1397.02	1459.40	1505.76	1538.86	1568.19	1593.56	1614.81	1631.78	1644.36
29.0	1455.19	1531.88	1601.61	1653.72	1691.08	1724.28	1753.05	1777.12	1795.88	1809.55
25.5	1560.99	1644.98	1721.93	1779.83	1819.38	1854.21	1885.07	1911.55	1933.24	1949.76
22.5	1646.59	1737.31	1818.71	1876.67	1919.51	1958.73	1993.83	2024.28	2049.54	2069.08
19.5	1726.52	1821.56	1903.26	1967.16	2014.92	2059.11	2099.14	2134.32	2163.92	2187.21
17.0	1787.98	1881.03	1968.46	2037.58	2089.77	2138.58	2183.30	3032.00	3875.03	4533.24 *
15.0	1829.31	1924.53	2016.52	2089.90	2145.81	2442.18	3689.85	4796.43 *	5734.05 *	6473.15 *
13.0	1864.92	1963.94	2060.35	2137.96	2441.38	3914.01	5275.87 *	6498.75 *	7548.62 *	8386.99 *
11.0	1896.30	1998.80	2099.35	2181.04	3688.34	5275.20 *	6761.74 *	8116.93 *	9300.43 *	10262.55 *
9.0	1923.11	2028.66	2132.91	3028.84	4794.33 *	6497.55 *	8116.45 *	9619.32 *	10960.95 *	12079.24 *
7.0	1945.06	2053.10	2160.43	3871.23	5731.44 *	7547.03 *	9299.67 *	10960.76 *	12710.02 *	16603.02 *
5.0	1961.88	2071.75	2181.37	4528.82 *	6470.07 *	8385.11 *	10261.70 *	12079.15 *	16603.02 *	21208.41 *
3.0	1973.40	2084.33	2469.47	4980.78 *	6981.88 *	8972.53 *	10947.34 *	13927.95 *	19562.55 *	24937.25 *
1.0	1979.49	2090.68	2668.48	5210.98 *	7244.05 *	9275.88 *	11305.82 *	15217.49 *	21195.93 *	27137.41 *
0.0	1980.50	2091.50	2693.30	5239.80 *	7277.00 *	9314.20 *	11351.40 *	15383.00 *	21409.00 *	27435.00 *
-1.0	1979.49	2090.68	2668.48	5210.98 *	7244.05 *	9275.88 *	11305.82 *	15217.49 *	21195.93 *	27137.41 *
-3.0	1973.40	2084.33	2469.47	4980.78 *	6981.88 *	8972.53 *	10947.34 *	13927.95 *	19562.55 *	24937.25 *
-5.0	1961.88	2071.75	2181.37	4528.82 *	6470.07 *	8385.11 *	10261.70 *	12079.15 *	16603.02 *	21208.41 *
-7.0	1945.06	2053.10	2160.43	3871.23	5731.44 *	7547.03 *	9299.67 *	10960.76 *	12710.02 *	16603.02 *
-9.0	1923.11	2028.66	2132.91	3028.84	4794.33 *	6497.55 *	8116.45 *	9619.32 *	10960.95 *	12079.24 *
-11.0	1896.30	1998.80	2099.35	2181.04	3688.34	5275.20 *	6761.74 *	8116.93 *	9300.43 *	10262.55 *
-13.0	1864.92	1963.94	2060.35	2137.96	2441.38	3914.01	5275.87 *	6498.75 *	7548.62 *	8386.99 *
-15.0	1829.31	1924.53	2016.52	2089.90	2145.81	2442.18	3689.85	4796.43 *	5734.05 *	6473.15 *
-17.0	1787.98	1881.03	1968.46	2037.58	2089.77	2138.58	2183.30	3032.00	3875.03	4533.24 *
-19.5	1726.52	1821.56	1903.26	1967.16	2014.92	2059.11	2099.14	2134.32	2163.92	2187.21
-22.5	1646.59	1737.31	1818.71	1876.67	1919.51	1958.73	1993.83	2024.28	2049.54	2069.08
-25.5	1560.99	1644.98	1721.93	1779.83	1819.38	1854.21	1885.07	1911.55	1933.24	1949.76
-29.0	1455.19	1531.88	1601.61	1653.72	1691.08	1724.28	1753.05	1777.12	1795.88	1809.55
-33.0	1332.01	1397.02	1459.40	1505.76	1538.86	1568.19	1593.56	1614.81	1631.78	1644.36
-37.5	1199.70	1253.78	1302.53	1338.74	1364.73	1390.43	1412.66	1431.32	1446.29	1457.53
-42.5	1046.83	1093.91	1136.13	1167.35	1189.59	1209.30	1226.40	1240.80	1252.46	1261.31
-47.5	876.15	922.50	964.03	993.36	1012.48	1029.41	1044.09	1056.47	1066.53	1074.21
-55.0	598.29	634.71	667.18	691.07	708.05	723.08	736.11	747.12	756.06	762.91
-65.0	264.56	285.71	304.49	318.28	328.06	336.70	344.18	350.49	355.61	359.53
-75.0	92.31	96.62	100.45	103.25	105.25	107.01	108.54	109.85	110.92	111.76
-85.0	22.36	23.00	23.59	24.04	24.37	24.67	24.95	25.19	25.41	25.60
-90.0	1.21	1.26	1.30	1.34	1.37	1.40	1.43	1.46	1.49	1.52

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	1.55	1.57	1.59	1.57	1.55	1.52	1.49	1.46	1.43	1.40
85.0	25.76	25.90	25.95	25.90	25.76	25.60	25.41	25.19	24.95	24.67
75.0	112.36	112.73	112.83	112.73	112.36	111.76	110.92	109.85	108.54	107.01
65.0	362.23	363.72	364.00	363.72	362.23	359.53	355.61	350.49	344.18	336.70

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CANDELA TABULATION - (Cont.)

55.0	767.66	770.29	770.80	770.29	767.66	762.91	756.06	747.12	736.11	723.08
47.5	1079.50	1082.38	1082.93	1082.38	1079.50	1074.21	1066.53	1056.47	1044.09	1029.41
42.5	1267.32	1270.47	1270.98	1270.47	1267.32	1261.31	1252.46	1240.80	1226.40	1209.30
37.5	1464.97	1468.61	1469.00	1468.61	1464.97	1457.53	1446.29	1431.32	1412.66	1390.43
33.0	1652.47	1656.08	1656.20	1656.08	1652.47	1644.36	1631.78	1614.81	1593.56	1568.19
29.0	1818.39	1822.21	1822.20	1822.21	1818.39	1809.55	1795.88	1777.12	1753.05	1724.28
25.5	1960.78	1966.01	1966.40	1966.01	1960.78	1949.76	1933.24	1911.55	1885.07	1854.21
22.5	2082.42	2089.18	2090.00	2089.18	2082.42	2069.08	2049.54	2024.28	1993.83	1958.73
19.5	2476.54	2676.50	2701.85	2676.50	2476.54	2187.21	2163.92	2134.32	2099.14	2059.11
17.0	4985.87 *	5216.84 *	5246.10 *	5216.84 *	4985.87 *	4533.24 *	3875.03	3032.00	2183.30	2138.58
15.0	6985.45 *	7248.20 *	7281.50 *	7248.20 *	6985.45 *	6473.15 *	5734.05 *	4796.43 *	3689.85	2442.18
13.0	8974.66 *	9278.35 *	9316.90 *	9278.35 *	8974.66 *	8386.99 *	7548.62 *	6498.75 *	5275.87 *	3914.01
11.0	10948.17 *	11306.65 *	11352.30 *	11306.65 *	10948.17 *	10262.55 *	9300.43 *	8116.93 *	6761.74 *	5275.20 *
9.0	13927.95 *	15217.49 *	15383.00 *	15217.49 *	13927.95 *	12079.24 *	10960.95 *	9619.32 *	8116.45 *	6497.55 *
7.0	19562.55 *	21195.93 *	21409.00 *	21195.93 *	19562.55 *	16603.02 *	12710.02 *	10960.76 *	9299.67 *	7547.03 *
5.0	24937.25 *	27137.41 *	27435.00 *	27137.41 *	24937.25 *	21208.41 *	16603.02 *	12079.15 *	10261.70 *	8385.11 *
3.0	29719.85 *	32972.49 *	33461.00 *	32972.49 *	29719.85 *	24937.25 *	19562.55 *	13927.95 *	10947.34 *	8972.53 *
1.0	32972.49 *	38239.08 *	39487.00 *	38239.08 *	32972.49 *	27137.41 *	21195.93 *	15217.49 *	11305.82 *	9275.88 *
0.0	33461.00 *	39487.00 *	42500.00 *	39487.00 *	33461.00 *	27435.00 *	21409.00 *	15383.00 *	11351.40 *	9314.20 *
-1.0	32972.49 *	38239.08 *	39487.00 *	38239.08 *	32972.49 *	27137.41 *	21195.93 *	15217.49 *	11305.82 *	9275.88 *
-3.0	29719.85 *	32972.49 *	33461.00 *	32972.49 *	29719.85 *	24937.25 *	19562.55 *	13927.95 *	10947.34 *	8972.53 *
-5.0	24937.25 *	27137.41 *	27435.00 *	27137.41 *	24937.25 *	21208.41 *	16603.02 *	12079.15 *	10261.70 *	8385.11 *
-7.0	19562.55 *	21195.93 *	21409.00 *	21195.93 *	19562.55 *	16603.02 *	12710.02 *	10960.76 *	9299.67 *	7547.03 *
-9.0	13927.95 *	15217.49 *	15383.00 *	15217.49 *	13927.95 *	12079.24 *	10960.95 *	9619.32 *	8116.45 *	6497.55 *
-11.0	10948.17 *	11306.65 *	11352.30 *	11306.65 *	10948.17 *	10262.55 *	9300.43 *	8116.93 *	6761.74 *	5275.20 *
-13.0	8974.66 *	9278.35 *	9316.90 *	9278.35 *	8974.66 *	8386.99 *	7548.62 *	6498.75 *	5275.87 *	3914.01
-15.0	6985.45 *	7248.20 *	7281.50 *	7248.20 *	6985.45 *	6473.15 *	5734.05 *	4796.43 *	3689.85	2442.18
-17.0	4985.87 *	5216.84 *	5246.10 *	5216.84 *	4985.87 *	4533.24 *	3875.03	3032.00	2183.30	2138.58
-19.5	2476.54	2676.50	2701.85	2676.50	2476.54	2187.21	2163.92	2134.32	2099.14	2059.11
-22.5	2082.42	2089.18	2090.00	2089.18	2082.42	2069.08	2049.54	2024.28	1993.83	1958.73
-25.5	1960.78	1966.01	1966.40	1966.01	1960.78	1949.76	1933.24	1911.55	1885.07	1854.21
-29.0	1818.39	1822.21	1822.20	1822.21	1818.39	1809.55	1795.88	1777.12	1753.05	1724.28
-33.0	1652.47	1656.08	1656.20	1656.08	1652.47	1644.36	1631.78	1614.81	1593.56	1568.19
-37.5	1464.97	1468.61	1469.00	1468.61	1464.97	1457.53	1446.29	1431.32	1412.66	1390.43
-42.5	1267.32	1270.47	1270.98	1270.47	1267.32	1261.31	1252.46	1240.80	1226.40	1209.30
-47.5	1079.50	1082.38	1082.93	1082.38	1079.50	1074.21	1066.53	1056.47	1044.09	1029.41
-55.0	767.66	770.29	770.80	770.29	767.66	762.91	756.06	747.12	736.11	723.08
-65.0	362.23	363.72	364.00	363.72	362.23	359.53	355.61	350.49	344.18	336.70
-75.0	112.36	112.73	112.83	112.73	112.36	111.76	110.92	109.85	108.54	107.01
-85.0	25.76	25.90	25.95	25.90	25.76	25.60	25.41	25.19	24.95	24.67
-90.0	1.55	1.57	1.59	1.57	1.55	1.52	1.49	1.46	1.43	1.40

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	1.37	1.34	1.30	1.26	1.21	1.16	1.10	1.03	0.96	0.88
85.0	24.37	24.04	23.59	23.00	22.36	21.54	20.51	19.27	17.77	16.16
75.0	105.25	103.25	100.45	96.62	92.31	86.67	79.46	70.41	59.25	47.02
65.0	328.06	318.28	304.49	285.71	264.56	237.02	201.97	168.32	149.87	129.72
55.0	708.05	691.07	667.18	634.71	598.29	551.05	499.09	435.73	359.00	276.43
47.5	1012.48	993.36	964.03	922.50	876.15	816.39	741.24	648.82	538.38	437.11
42.5	1189.59	1167.35	1136.13	1093.91	1046.83	986.24	900.86	795.61	669.84	537.06
37.5	1364.73	1338.74	1302.53	1253.78	1199.70	1130.53	1044.36	934.53	794.02	645.95
33.0	1538.86	1505.76	1459.40	1397.02	1332.01	1254.43	1158.54	1042.89	897.60	736.78
29.0	1691.08	1653.72	1601.61	1531.88	1455.19	1362.29	1253.64	1128.17	981.37	810.39
25.5	1819.38	1779.83	1721.93	1644.98	1560.99	1455.46	1330.97	1196.89	1041.23	868.68

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CANDELA TABULATION - (Cont.)

22.5	1919.51	1876.67	1818.71	1737.31	1646.59	1533.51	1396.53	1250.80	1087.84	913.70
19.5	2014.92	1967.16	1903.26	1821.56	1726.52	1605.67	1460.56	1299.58	1129.70	953.83
17.0	2089.77	2037.58	1968.46	1881.03	1787.98	1660.61	1508.85	1335.94	1160.69	982.20
15.0	2145.81	2089.90	2016.52	1924.53	1829.31	1700.72	1543.81	1362.13	1182.78	1000.87
13.0	2441.38	2137.96	2060.35	1963.94	1864.92	1737.07	1575.24	1388.89	1202.35	1017.34
11.0	3688.34	2181.04	2099.35	1998.80	1896.30	1769.32	1602.90	1412.25	1219.30	1031.56
9.0	4794.33 *	3028.84	2132.91	2028.66	1923.11	1797.12	1626.54	1432.06	1233.55	1043.45
7.0	5731.44 *	3871.23	2160.43	2053.10	1945.06	1818.42	1645.94	1448.15	1245.01	1052.98
5.0	6470.07 *	4528.82 *	2181.37	2071.75	1961.88	1833.51	1660.90	1460.40	1253.62	1060.08
3.0	6981.88 *	4980.78 *	2469.47	2084.33	1973.40	1844.01	1671.24	1468.68	1259.32	1064.73
1.0	7244.05 *	5210.98 *	2668.48	2090.68	1979.49	1849.84	1676.82	1472.92	1262.08	1066.90
0.0	7277.00 *	5239.80 *	2693.30	2091.50	1980.50	1851.00	1677.80	1473.50	1262.35	1067.05
-1.0	7244.05 *	5210.98 *	2668.48	2090.68	1979.49	1849.84	1676.82	1472.92	1262.08	1066.90
-3.0	6981.88 *	4980.78 *	2469.47	2084.33	1973.40	1844.01	1671.24	1468.68	1259.32	1064.73
-5.0	6470.07 *	4528.82 *	2181.37	2071.75	1961.88	1833.51	1660.90	1460.40	1253.62	1060.08
-7.0	5731.44 *	3871.23	2160.43	2053.10	1945.06	1818.42	1645.94	1448.15	1245.01	1052.98
-9.0	4794.33 *	3028.84	2132.91	2028.66	1923.11	1797.12	1626.54	1432.06	1233.55	1043.45
-11.0	3688.34	2181.04	2099.35	1998.80	1896.30	1769.32	1602.90	1412.25	1219.30	1031.56
-13.0	2441.38	2137.96	2060.35	1963.94	1864.92	1737.07	1575.24	1388.89	1202.35	1017.34
-15.0	2145.81	2089.90	2016.52	1924.53	1829.31	1700.72	1543.81	1362.13	1182.78	1000.87
-17.0	2089.77	2037.58	1968.46	1881.03	1787.98	1660.61	1508.85	1335.94	1160.69	982.20
-19.5	2014.92	1967.16	1903.26	1821.56	1726.52	1605.67	1460.56	1299.58	1129.70	953.83
-22.5	1919.51	1876.67	1818.71	1737.31	1646.59	1533.51	1396.53	1250.80	1087.84	913.70
-25.5	1819.38	1779.83	1721.93	1644.98	1560.99	1455.46	1330.97	1196.89	1041.23	868.68
-29.0	1691.08	1653.72	1601.61	1531.88	1455.19	1362.29	1253.64	1128.17	981.37	810.39
-33.0	1538.86	1505.76	1459.40	1397.02	1332.01	1254.43	1158.54	1042.89	897.60	736.78
-37.5	1364.73	1338.74	1302.53	1253.78	1199.70	1130.53	1044.36	934.53	794.02	645.95
-42.5	1189.59	1167.35	1136.13	1093.91	1046.83	986.24	900.86	795.61	669.84	537.06
-47.5	1012.48	993.36	964.03	922.50	876.15	816.39	741.24	648.82	538.38	437.11
-55.0	708.05	691.07	667.18	634.71	598.29	551.05	499.09	435.73	359.00	276.43
-65.0	328.06	318.28	304.49	285.71	264.56	237.02	201.97	168.32	149.87	129.72
-75.0	105.25	103.25	100.45	96.62	92.31	86.67	79.46	70.41	59.25	47.02
-85.0	24.37	24.04	23.59	23.00	22.36	21.54	20.51	19.27	17.77	16.16
-90.0	1.37	1.34	1.30	1.26	1.21	1.16	1.10	1.03	0.96	0.88

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	0.77	0.62	0.47	0.32	0.24
85.0	13.58	9.90	6.06	2.17	0.24
75.0	38.93	28.24	17.09	5.82	0.25
65.0	96.66	48.19	27.60	9.30	0.26
55.0	162.52	95.85	37.27	12.49	0.26
47.5	275.62	128.50	44.38	14.65	0.27
42.5	357.07	148.45	56.24	15.95	0.27
37.5	432.24	166.75	67.05	17.13	0.27
33.0	493.84	199.75	75.81	18.08	0.28
29.0	544.02	233.86	82.76	18.83	0.28
25.5	590.02	260.51	88.18	19.41	0.28
22.5	625.35	280.86	92.30	19.85	0.28
19.5	656.67	298.83	95.94	20.24	0.28
17.0	679.60	311.93	98.58	20.52	0.28
15.0	695.79	321.16	100.44	20.71	0.28
13.0	710.02	329.26	102.07	20.88	0.28
11.0	722.25	336.21	103.47	21.03	0.28
9.0	732.45	342.00	104.63	21.15	0.28

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CANDELA TABULATION - (Cont.)

7.0	740.59	346.62	105.55	21.24	0.28
5.0	746.64	350.06	106.24	21.31	0.28
3.0	750.59	352.33	106.68	21.35	0.28
1.0	752.43	353.41	106.89	21.37	0.28
0.0	752.55	353.50	106.90	21.37	0.28
-1.0	752.43	353.41	106.89	21.37	0.28
-3.0	750.59	352.33	106.68	21.35	0.28
-5.0	746.64	350.06	106.24	21.31	0.28
-7.0	740.59	346.62	105.55	21.24	0.28
-9.0	732.45	342.00	104.63	21.15	0.28
-11.0	722.25	336.21	103.47	21.03	0.28
-13.0	710.02	329.26	102.07	20.88	0.28
-15.0	695.79	321.16	100.44	20.71	0.28
-17.0	679.60	311.93	98.58	20.52	0.28
-19.5	656.67	298.83	95.94	20.24	0.28
-22.5	625.35	280.86	92.30	19.85	0.28
-25.5	590.02	260.51	88.18	19.41	0.28
-29.0	544.02	233.86	82.76	18.83	0.28
-33.0	493.84	199.75	75.81	18.08	0.28
-37.5	432.24	166.75	67.05	17.13	0.27
-42.5	357.07	148.45	56.24	15.95	0.27
-47.5	275.62	128.50	44.38	14.65	0.27
-55.0	162.52	95.85	37.27	12.49	0.26
-65.0	96.66	48.19	27.60	9.30	0.26
-75.0	38.93	28.24	17.09	5.82	0.25
-85.0	13.58	9.90	6.06	2.17	0.24
-90.0	0.77	0.62	0.47	0.32	0.24

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 4026.44
Total Field Lumens (one side of beam only) = 1887.65
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
85	0.21	0.42	0.42	0.41	0.41	0.40	0.40	0.39	0.38	0.45
75	0.73	1.45	1.44	1.42	1.40	1.37	1.34	1.30	1.25	1.49
65	1.73	3.45	3.42	3.38	3.33	3.27	3.19	3.10	2.99	3.58
55	2.12	4.22	4.20	4.16	4.10	4.03	3.95	3.85	3.74	4.50
47.5	1.79	3.58	3.56	3.53	3.48	3.43	3.36	3.28	3.19	3.85
42.5	2.09	4.16	4.14	4.10	4.05	3.98	3.90	3.81	3.70	4.47
37.5	2.14	4.28	4.25	4.21	4.16	4.08	4.00	3.90	3.79	4.56
33	2.12	4.23	4.21	4.17	4.11	4.04	3.96	3.86	3.74	4.50
29	2.02	4.03	4.01	3.97	3.92	3.85	3.76	3.67	3.56	4.28
25.5	1.85	3.70	3.67	3.64	3.58	3.52	3.44	3.35	3.25	3.90
22.5	2.18	4.26	4.02	3.85	3.79	3.71	3.62	3.53	3.42	4.10
19.5	3.02	5.84	5.39	4.83	4.22	3.54	3.16	3.07	2.97	3.56
17	3.81 *	7.44 *	6.98 *	6.25 *	5.26 *	4.11	3.11	2.61	2.45	2.93
15	5.04 *	9.89 *	9.37 *	8.53 *	7.41 *	6.08 *	4.57	3.23	2.58	3.00
13	6.28 *	12.33 *	11.72 *	10.75 *	9.49 *	8.00 *	6.32 *	4.53	3.06	3.07
11	8.11 *	15.65 *	14.35 *	12.91 *	11.46 *	9.78 *	7.94 *	5.99 *	4.01	3.41
9	11.15 *	21.28 *	18.89 *	15.86 *	13.35 *	11.40 *	9.37 *	7.26 *	5.10 *	4.05
7	14.80 *	28.26 *	25.01 *	20.33 *	15.79 *	12.78 *	10.58 *	8.32 *	6.03 *	4.61
5	18.43 *	34.94 *	30.63 *	24.93 *	18.75 *	14.16 *	11.49 *	9.11 *	6.72 *	5.12
3	21.96 *	40.76 *	34.87 *	28.12 *	21.09 *	15.42 *	12.07 *	9.60 *	7.15 *	5.54
1	12.16 *	21.94 *	18.38 *	14.72 *	11.04 *	7.99 *	6.14 *	4.89 *	3.66 *	2.86
0	12.16 *	21.94 *	18.38 *	14.72 *	11.04 *	7.99 *	6.14 *	4.89 *	3.66 *	2.86
-1	21.96 *	40.76 *	34.87 *	28.12 *	21.09 *	15.42 *	12.07 *	9.60 *	7.15 *	5.54
-3	18.43 *	34.94 *	30.63 *	24.93 *	18.75 *	14.16 *	11.49 *	9.11 *	6.72 *	5.12

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LUMENS TABULATION - (Cont.)

-5	14.80 *	28.26 *	25.01 *	20.33 *	15.79 *	12.78 *	10.58 *	8.32 *	6.03 *	4.61
-7	11.15 *	21.28 *	18.89 *	15.86 *	13.35 *	11.40 *	9.37 *	7.26 *	5.10 *	4.05
-9	8.11 *	15.65 *	14.35 *	12.91 *	11.46 *	9.78 *	7.94 *	5.99 *	4.01	3.41
-11	6.28 *	12.33 *	11.72 *	10.75 *	9.49 *	8.00 *	6.32 *	4.53	3.06	3.07
-13	5.04 *	9.89 *	9.37 *	8.53 *	7.41 *	6.08 *	4.57	3.23	2.58	3.00
-15	3.81 *	7.44 *	6.98 *	6.25 *	5.26 *	4.11	3.11	2.61	2.45	2.93
-17	3.02	5.84	5.39	4.83	4.22	3.54	3.16	3.07	2.97	3.56
-19.5	2.18	4.26	4.02	3.85	3.79	3.71	3.62	3.53	3.42	4.10
-22.5	1.85	3.70	3.67	3.64	3.58	3.52	3.44	3.35	3.25	3.90
-25.5	2.02	4.03	4.01	3.97	3.92	3.85	3.76	3.67	3.56	4.28
-29	2.12	4.23	4.21	4.17	4.11	4.04	3.96	3.86	3.74	4.50
-33	2.14	4.28	4.25	4.21	4.16	4.08	4.00	3.90	3.79	4.56
-37.5	2.09	4.16	4.14	4.10	4.05	3.98	3.90	3.81	3.70	4.47
-42.5	1.79	3.58	3.56	3.53	3.48	3.43	3.36	3.28	3.19	3.85
-47.5	2.12	4.22	4.20	4.16	4.10	4.03	3.95	3.85	3.74	4.50
-55	1.73	3.45	3.42	3.38	3.33	3.27	3.19	3.10	2.99	3.58
-65	0.73	1.45	1.44	1.42	1.40	1.37	1.34	1.30	1.25	1.49
-75	0.21	0.42	0.42	0.41	0.41	0.40	0.40	0.39	0.38	0.45
-85	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
-90										
Total	247.51	472.29	425.94	368.23	308.48	257.96	219.40	185.29	153.55	155.78

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
85	0.52	0.49	0.53	0.54	0.53	0.49	0.38	0.41	0.34	0.16
75	1.68	1.54	1.61	1.58	1.46	1.31	1.04	1.12	0.81	0.32
65	4.04	3.72	3.91	3.89	3.65	3.25	2.46	2.38	1.53	0.54
55	5.10	4.75	5.05	5.11	4.88	4.33	3.25	3.09	1.89	0.60
47.5	4.39	4.11	4.41	4.50	4.32	3.87	2.94	2.87	1.73	0.49

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LUMENS TABULATION - (Cont.)

42.5	5.10	4.79	5.17	5.30	5.14	4.66	3.56	3.52	2.10	0.57
37.5	5.19	4.87	5.24	5.39	5.26	4.81	3.72	3.71	2.21	0.60
33	5.11	4.77	5.12	5.25	5.13	4.72	3.69	3.69	2.24	0.62
29	4.85	4.52	4.84	4.94	4.81	4.44	3.49	3.52	2.17	0.61
25.5	4.43	4.13	4.40	4.48	4.34	4.00	3.16	3.21	2.00	0.56
22.5	4.66	4.34	4.63	4.70	4.54	4.17	3.30	3.38	2.12	0.60
19.5	4.04	3.77	4.02	4.07	3.92	3.59	2.84	2.92	1.85	0.52
17	3.32	3.10	3.31	3.35	3.22	2.94	2.33	2.40	1.53	0.43
15	3.40	3.16	3.38	3.42	3.28	3.00	2.37	2.45	1.56	0.44
13	3.46	3.22	3.44	3.49	3.35	3.05	2.41	2.49	1.60	0.45
11	3.52	3.28	3.50	3.55	3.40	3.09	2.44	2.52	1.62	0.46
9	3.57	3.32	3.55	3.60	3.44	3.13	2.46	2.55	1.64	0.47
7	3.61	3.35	3.58	3.63	3.48	3.15	2.48	2.57	1.66	0.47
5	3.76	3.38	3.61	3.66	3.50	3.17	2.50	2.59	1.67	0.48
3	3.97	3.39	3.62	3.68	3.52	3.19	2.50	2.60	1.68	0.48
1	2.04	1.70	1.82	1.84	1.76	1.60	1.25	1.30	0.84	0.24
0	2.04	1.70	1.82	1.84	1.76	1.60	1.25	1.30	0.84	0.24
-1	3.97	3.39	3.62	3.68	3.52	3.19	2.50	2.60	1.68	0.48
-3	3.76	3.38	3.61	3.66	3.50	3.17	2.50	2.59	1.67	0.48
-5	3.61	3.35	3.58	3.63	3.48	3.15	2.48	2.57	1.66	0.47
-7	3.57	3.32	3.55	3.60	3.44	3.13	2.46	2.55	1.64	0.47
-9	3.52	3.28	3.50	3.55	3.40	3.09	2.44	2.52	1.62	0.46
-11	3.46	3.22	3.44	3.49	3.35	3.05	2.41	2.49	1.60	0.45
-13	3.40	3.16	3.38	3.42	3.28	3.00	2.37	2.45	1.56	0.44
-15	3.32	3.10	3.31	3.35	3.22	2.94	2.33	2.40	1.53	0.43
-17	4.04	3.77	4.02	4.07	3.92	3.59	2.84	2.92	1.85	0.52
-19.5	4.66	4.34	4.63	4.70	4.54	4.17	3.30	3.38	2.12	0.60
-22.5	4.43	4.13	4.40	4.48	4.34	4.00	3.16	3.21	2.00	0.56

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-SPOT.IES

LUMENS TABULATION - (Cont.)

-25.5	4.85	4.52	4.84	4.94	4.81	4.44	3.49	3.52	2.17	0.61
-29	5.11	4.77	5.12	5.25	5.13	4.72	3.69	3.69	2.24	0.62
-33	5.19	4.87	5.24	5.39	5.26	4.81	3.72	3.71	2.21	0.60
-37.5	5.10	4.79	5.17	5.30	5.14	4.66	3.56	3.52	2.10	0.57
-42.5	4.39	4.11	4.41	4.50	4.32	3.87	2.94	2.87	1.73	0.49
-47.5	5.10	4.75	5.05	5.11	4.88	4.33	3.25	3.09	1.89	0.60
-55	4.04	3.72	3.91	3.89	3.65	3.25	2.46	2.38	1.53	0.54
-65	1.68	1.54	1.61	1.58	1.46	1.31	1.04	1.12	0.81	0.32
-75	0.52	0.49	0.53	0.54	0.53	0.49	0.38	0.41	0.34	0.16
-85	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
-90										
Total	159.63	147.49	157.58	160.02	153.98	140.00	109.25	110.68	69.71	20.26

Vert. Angles	**Horizontal Angles**		
75	**85**	**90**	**Total**
90	0.01	0.00	0.90
85	0.04	0.00	8.32
75	0.08	0.00	25.71
65	0.11	0.00	60.93
55	0.11	0.00	77.01
47.5	0.09	0.00	66.76
42.5	0.10	0.00	78.44
37.5	0.11	0.00	80.49
33	0.10	0.00	79.39
29	0.10	0.00	75.33
25.5	0.09	0.00	68.71
22.5	0.09	0.00	73.00
19.5	0.08	0.00	71.22
17	0.06	0.00	70.93
15	0.06	0.00	86.24

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IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

13			
	0.07	0.00	102.58
11			
	0.07	0.00	121.05
9			
	0.07	0.00	145.51
7			
	0.07	0.00	174.57
5			
	0.07	0.00	202.67
3			
	0.07	0.00	225.27
1			
	0.03	0.00	118.21
0			
	0.03	0.00	118.21
-1			
	0.07	0.00	225.27
-3			
	0.07	0.00	202.67
-5			
	0.07	0.00	174.57
-7			
	0.07	0.00	145.51
-9			
	0.07	0.00	121.05
-11			
	0.07	0.00	102.58
-13			
	0.06	0.00	86.24
-15			
	0.06	0.00	70.93
-17			
	0.08	0.00	71.22
-19.5			
	0.09	0.00	73.00
-22.5			
	0.09	0.00	68.71
-25.5			
	0.10	0.00	75.33
-29			
	0.10	0.00	79.39
-33			
	0.11	0.00	80.49
-37.5			
	0.10	0.00	78.44
-42.5			
	0.09	0.00	66.76
-47.5			
	0.11	0.00	77.01
-55			
	0.11	0.00	60.93
-65			
	0.08	0.00	25.71
-75			
	0.04	0.00	8.32

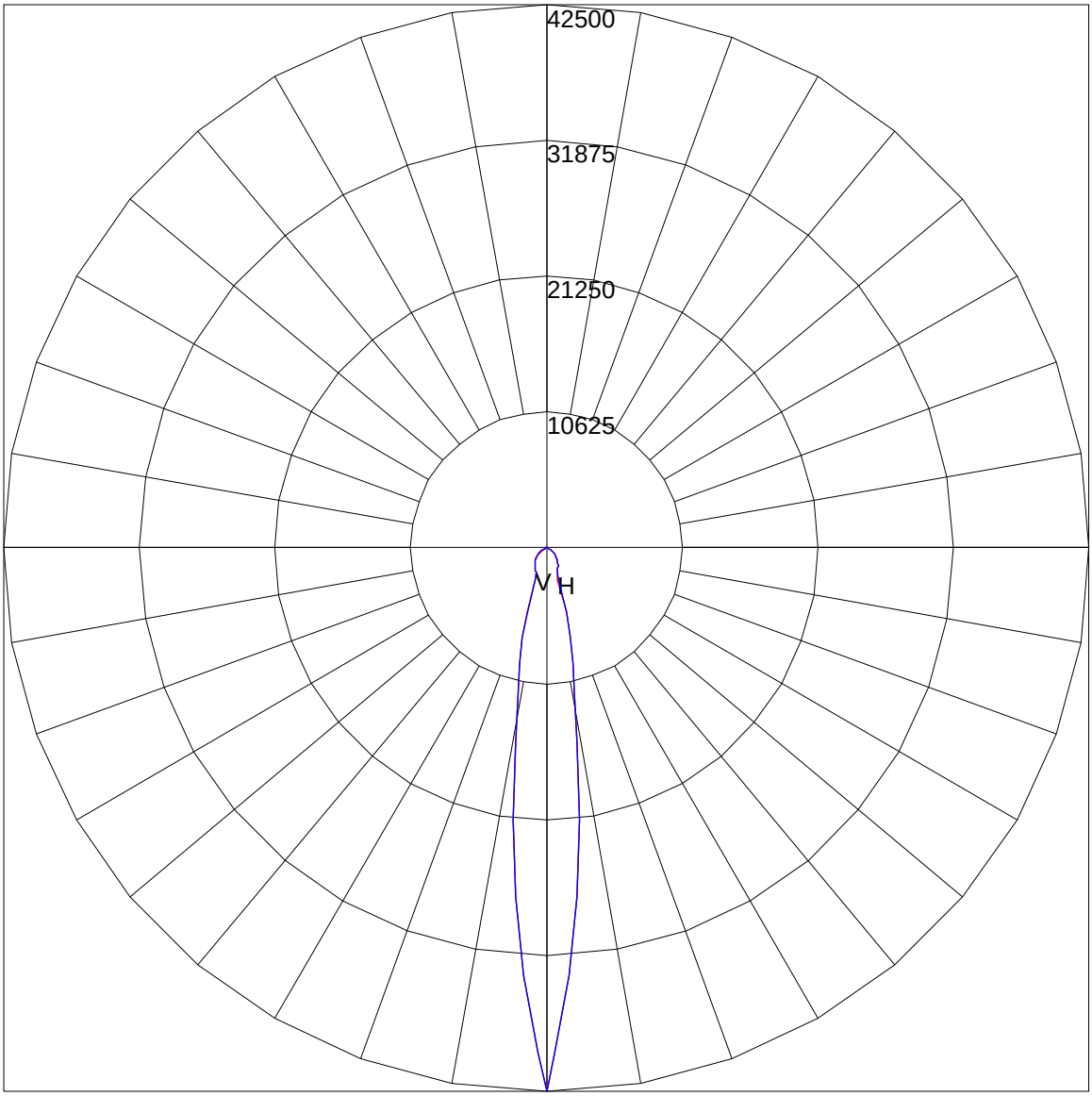
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LUMENS TABULATION - (Cont.)

-85			
	0.01	0.00	0.90
-90			
Total	3.32	0.08	4026.43

IES FLOOD REPORT
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AXIAL CANDELA DISPLAY

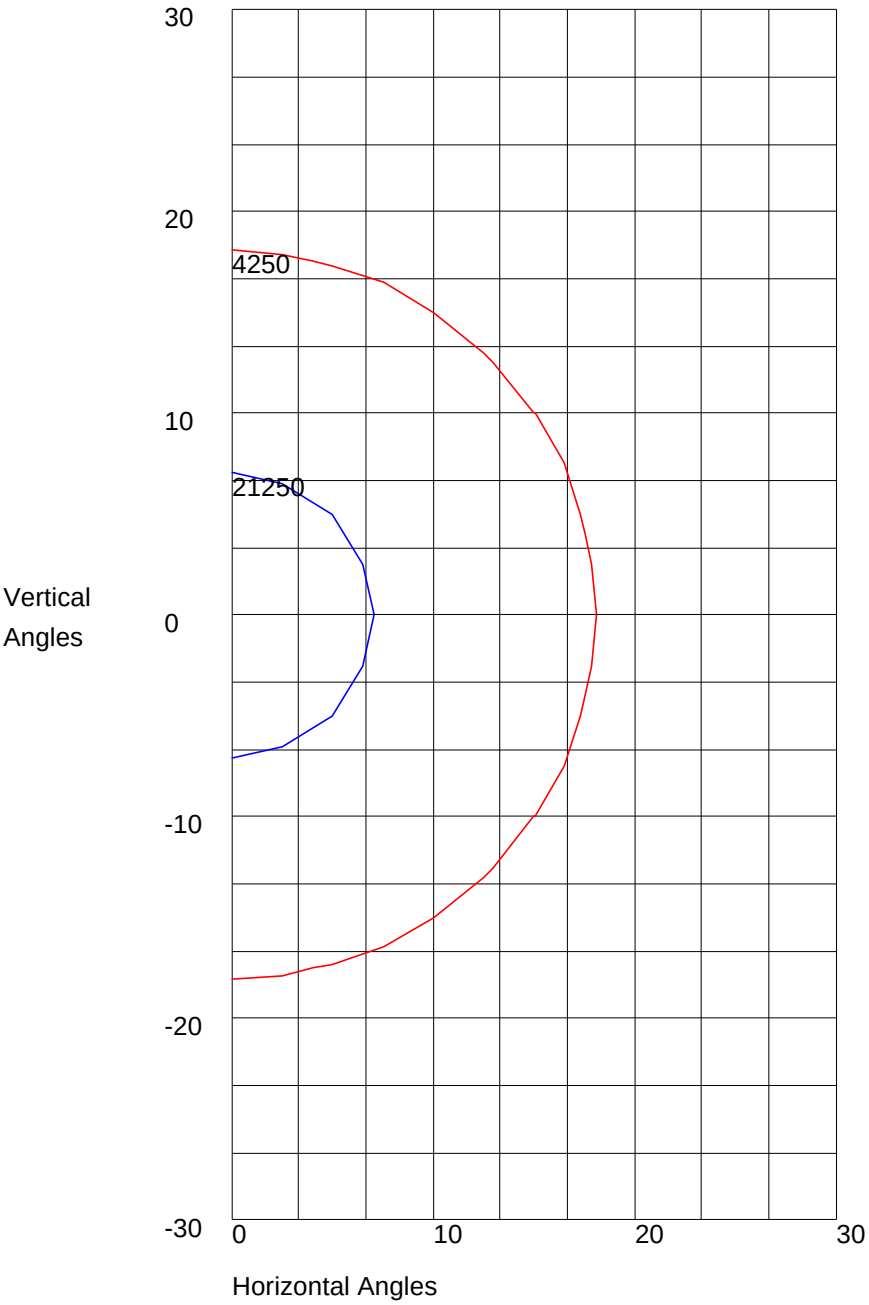


Maximum Candela = 42500 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

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ISOCANDELA CURVES



Maximum Candela = 42500 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 21250
10% Maximum Candela = 4250

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DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[ISSUEDATE] 2011
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] LEDP5W-30 - FLOOD
[LUMINAIRE] LED LAMP
[LAMP] CREE XLamp XPG

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	15510
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	43.0
Vertical Beam Angle (50%)	46.4
Horizontal Field Angle (10%)	71.1
Vertical Field Angle (10%)	74.7
Lumens Per Lamp	9705 (1 lamp)
Total Lamp Lumens	9705
Beam Lumens	5357
Beam Efficiency	55 %
Field Lumens	8123
Field Efficiency	84 %
Spill Lumens	1621
Luminaire Lumens	9744
Total Efficiency	100 %
Total Luminaire Watts	1000
Ballast Factor	1.00

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IES FLOOD REPORT
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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.138	90	.765
85	17.472	85	21.717
75	98.62	75	103.555
65	250	65	247.45
55	432.4	55	425.65
47.5	617.05	47.5	628.353
42.5	796.75	42.5	843.458
37.5	1260.95	37.5	1516.508
33	1934.78	33	2534.403
29	3020.2	29	3878.9
25.5	5246.9	25.5	6209.55
22.5	7155.5	22.5	8207.25
19.5	8965.7	19.5	10085.9
17	10064.2	17	11155.4
15	10943	15	12011
13	11821.8	13	12866.6
11	12700.6	11	13722.2
9	13377	9	14286
7	13851	7	14558
5	14325	5	14830
3	14799	3	15102
1	15273	1	15374
0	15510	0	15510
-1	15273	-1	15374
-3	14799	-3	15102
-5	14325	-5	14830
-7	13851	-7	14558
-9	13377	-9	14286
-11	12700.6	-11	13722.2
-13	11821.8	-13	12866.6
-15	10943	-15	12011
-17	10064.2	-17	11155.4
-19.5	8965.7	-19.5	10085.9
-22.5	7155.5	-22.5	8207.25
-25.5	5246.9	-25.5	6209.55
-29	3020.2	-29	3878.9
-33	1934.78	-33	2534.403
-37.5	1260.95	-37.5	1516.508
-42.5	796.75	-42.5	843.458
-47.5	617.05	-47.5	628.353
-55	432.4	-55	425.65
-65	250	-65	247.45
-75	98.62	-75	103.555
-85	17.472	-85	21.717
-90	.138	-90	.765

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

CANDELA TABULATION
Maximum Candela = 15510
Beam Edge = 7755 Cd (50% of Max.)
Field Edge = 1551 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	0.103	0.141	0.216	0.291	0.366	0.422	0.459	0.496	0.529	0.558
85.0	0.106	1.667	4.852	8.031	11.103	13.274	14.634	15.910	16.977	17.854
75.0	0.112	4.677	13.994	23.310	32.337	39.347	51.369	62.312	71.174	78.221
65.0	0.118	7.544	22.701	40.481	88.209	120.664	140.395	158.407	176.488	192.357
55.0	0.123	10.180	30.696	87.506	153.108	211.218	249.104	283.925	312.341	335.279
47.5	0.127	11.955	36.708	119.742	211.276	286.075	332.383	379.926	419.507	451.598
42.5	0.129	13.025	48.436	139.463	249.574	332.931	390.317	444.443	489.622	529.727
37.5	0.131	13.994	59.126	157.563	285.096	381.058	445.021	505.602	591.399	680.123
33.0	0.132	14.775	67.786	175.905	314.377	421.173	490.739	590.905	707.978	807.305
29.0	0.133	15.392	74.670	192.123	338.207	453.754	531.070	676.448	803.475	916.067
25.5	0.134	15.869	80.032	204.833	358.631	479.621	590.530	744.293	879.662	1301.312
22.5	0.135	16.231	84.118	214.571	374.355	499.656	636.269	796.641	1047.149	1610.997 *
19.5	0.136	16.548	87.719	223.199	388.346	517.577	676.822	843.124	1292.979	1883.329 *
17.0	0.136	16.777	90.341	229.513	398.623	535.263	706.426	877.048	1470.106	2078.836 *
15.0	0.137	16.938	92.186	233.976	405.911	553.463	727.247	904.015	1592.625	*2213.100 *
13.0	0.137	17.077	93.803	237.908	412.346	569.436	745.444	1000.694	1697.440	*2326.634 *
11.0	0.137	17.196	95.190	241.298	417.912	583.142	760.954	1082.236	1784.102	*2418.669 *
9.0	0.137	17.294	96.345	244.140	422.592	594.549	773.727	1148.510	1852.340	*2488.684 *
7.0	0.137	17.370	97.265	246.428	426.374	603.633	783.728	1199.513	1902.085	*2651.015 *
5.0	0.138	17.426	97.949	248.156	429.246	610.383	790.936	1235.381	1933.488	*2855.595 *
3.0	0.138	17.460	98.396	249.319	431.200	614.795	795.347	1256.385	1946.928	*2981.488 *
1.0	0.138	17.473	98.605	249.916	432.232	616.877	796.973	1262.934	1943.007	*3027.383 *
0.0	0.138	17.472	98.620	250.000	432.400	617.050	796.750	1260.950	1934.780	*3020.200 *
-1.0	0.138	17.473	98.605	249.916	432.232	616.877	796.973	1262.934	1943.007	*3027.383 *
-3.0	0.138	17.460	98.396	249.319	431.200	614.795	795.347	1256.385	1946.928	*2981.488 *
-5.0	0.138	17.426	97.949	248.156	429.246	610.383	790.936	1235.381	1933.488	*2855.595 *
-7.0	0.137	17.370	97.265	246.428	426.374	603.633	783.728	1199.513	1902.085	*2651.015 *
-9.0	0.137	17.294	96.345	244.140	422.592	594.549	773.727	1148.510	1852.340	*2488.684 *
-11.0	0.137	17.196	95.190	241.298	417.912	583.142	760.954	1082.236	1784.102	*2418.669 *
-13.0	0.137	17.077	93.803	237.908	412.346	569.436	745.444	1000.694	1697.440	*2326.634 *
-15.0	0.137	16.938	92.186	233.976	405.911	553.463	727.247	904.015	1592.625	*2213.100 *
-17.0	0.136	16.777	90.341	229.513	398.623	535.263	706.426	877.048	1470.106	2078.836 *
-19.5	0.136	16.548	87.719	223.199	388.346	517.577	676.822	843.124	1292.979	1883.329 *
-22.5	0.135	16.231	84.118	214.571	374.355	499.656	636.269	796.641	1047.149	1610.997 *
-25.5	0.134	15.869	80.032	204.833	358.631	479.621	590.530	744.293	879.662	1301.312
-29.0	0.133	15.392	74.670	192.123	338.207	453.754	531.070	676.448	803.475	916.067
-33.0	0.132	14.775	67.786	175.905	314.377	421.173	490.739	590.905	707.978	807.305
-37.5	0.131	13.994	59.126	157.563	285.096	381.058	445.021	505.602	591.399	680.123
-42.5	0.129	13.025	48.436	139.463	249.574	332.931	390.317	444.443	489.622	529.727
-47.5	0.127	11.955	36.708	119.742	211.276	286.075	332.383	379.926	419.507	451.598
-55.0	0.123	10.180	30.696	87.506	153.108	211.218	249.104	283.925	312.341	335.279
-65.0	0.118	7.544	22.701	40.481	88.209	120.664	140.395	158.407	176.488	192.357
-75.0	0.112	4.677	13.994	23.310	32.337	39.347	51.369	62.312	71.174	78.221
-85.0	0.106	1.667	4.852	8.031	11.103	13.274	14.634	15.910	16.977	17.854
-90.0	0.103	0.141	0.216	0.291	0.366	0.422	0.459	0.496	0.529	0.558

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	0.583	0.605	0.627	0.645	0.659	0.673	0.688	0.702	0.716	0.730
85.0	18.561	19.119	19.632	20.022	20.310	20.575	20.817	21.036	21.230	21.400
75.0	83.720	87.922	91.641	94.365	96.294	98.000	99.480	100.734	101.760	102.558
65.0	204.717	214.133	222.425	228.458	232.699	236.414	239.596	242.242	244.348	245.913
55.0	355.277	370.630	384.242	394.198	401.225	407.396	412.694	417.104	420.611	423.205
47.5	477.024	496.672	514.194	532.547	552.713	570.705	586.425	599.777	610.672	619.028
42.5	592.425	641.990	687.219	721.257	745.896	768.079	787.666	804.524	818.525	829.553
37.5	752.886	810.987	864.547	905.270	939.079	1066.668	1180.902	1280.547	1364.374	1431.187
33.0	889.613	1077.979	1370.882	1599.136	*1769.468	*1927.279	*2070.975	*2198.891	*2309.328	*2400.590 *
29.0	1320.591	1670.971	*2006.809	*2272.353	*2473.206	*2661.805	*2836.140	*2994.034	*3239.883	*3522.300 *
25.5	1761.339	*2147.388	*2522.210	*2822.719	*3359.626	*3988.230	*4551.713	*5043.499	*5457.117	*5786.514 *
22.5	2101.452	*2517.220	*3185.186	*4208.473	*4969.019	*5669.988	*6303.334	*6860.551	*7332.983	*7712.265 *
19.5	2401.237	*3106.674	*4535.654	*5657.108	*6498.793	*7281.885	*7996.541	*8631.848	*9176.173	*9617.764 *
17.0	2616.275	*4048.570	*5572.260	*6779.930	*7694.925	*8554.302	*9346.735	*9872.926	*10299.705	*10652.798 *
15.0	3080.257	*4733.036	*6332.097	*7610.307	*8586.911	*9457.667	*10047.793	*10584.087	*1055.069	*1448.118 *
13.0	3632.577	*5348.072	*7020.212	*8368.650	*9354.684	*10034.727	*10674.234	*1262.240	*1785.123	*2226.839 *
11.0	4112.967	*5885.905	*7626.523	*9042.578	*9830.480	*10557.921	*1250.281	*1896.038	*2479.706	*2981.329 *
9.0	4515.674	*6338.769	*8140.493	*9445.504	*10239.872	*1014.194	*1761.045	*2469.463	*3123.232	*3698.859 *
7.0	4835.411	*6699.306	*8551.705	*9740.319	*10570.604	*1388.200	*2187.661	*2960.257	*3663.669	*3996.971 *
5.0	5067.690	*6961.072	*8850.662	*9951.323	*10810.114	*1663.195	*2507.779	*3339.020	*3814.112	*4191.218 *
3.0	5209.116	*7119.079	*8973.672	*10070.258	*10947.003	*1823.055	*2698.030	*3457.139	*3902.988	*4330.581 *
1.0	5257.665	*7170.280	*8990.006	*10091.293	*10972.943	*1855.422	*2739.180	*3427.878	*3898.432	*4366.143 *
0.0	5246.900	*7155.500	*8965.700	*10064.200	*10943.000	*1821.800	*2700.600	*3377.000	*3851.000	*4325.000 *
-1.0	5257.665	*7170.280	*8990.006	*10091.293	*10972.943	*1855.422	*2739.180	*3427.878	*3898.432	*4366.143 *
-3.0	5209.116	*7119.079	*8973.672	*10070.258	*10947.003	*1823.055	*2698.030	*3457.139	*3902.988	*4330.581 *
-5.0	5067.690	*6961.072	*8850.662	*9951.323	*10810.114	*1663.195	*2507.779	*3339.020	*3814.112	*4191.218 *
-7.0	4835.411	*6699.306	*8551.705	*9740.319	*10570.604	*1388.200	*2187.661	*2960.257	*3663.669	*3996.971 *
-9.0	4515.674	*6338.769	*8140.493	*9445.504	*10239.872	*1014.195	*1761.045	*2469.463	*3123.232	*3698.859 *
-11.0	4112.967	*5885.905	*7626.523	*9042.578	*9830.480	*10557.921	*1250.281	*1896.038	*2479.706	*2981.329 *
-13.0	3632.577	*5348.072	*7020.212	*8368.650	*9354.684	*10034.727	*10674.234	*1262.240	*1785.123	*2226.838 *
-15.0	3080.257	*4733.036	*6332.097	*7610.307	*8586.911	*9457.667	*10047.793	*10584.087	*1055.069	*1448.118 *
-17.0	2616.275	*4048.570	*5572.260	*6779.930	*7694.925	*8554.302	*9346.735	*9872.926	*10299.705	*10652.798 *
-19.5	2401.237	*3106.674	*4535.654	*5657.108	*6498.793	*7281.885	*7996.541	*8631.848	*9176.173	*9617.764 *
-22.5	2101.452	*2517.220	*3185.186	*4208.473	*4969.019	*5669.988	*6303.334	*6860.551	*7332.983	*7712.265 *
-25.5	1761.339	*2147.388	*2522.210	*2822.718	*3359.626	*3988.230	*4551.713	*5043.499	*5457.117	*5786.514 *
-29.0	1320.591	1670.971	*2006.809	*2272.353	*2473.206	*2661.805	*2836.140	*2994.034	*3239.883	*3522.300 *
-33.0	889.613	1077.979	1370.882	1599.136	*1769.468	*1927.279	*2070.975	*2198.891	*2309.328	*2400.590 *
-37.5	752.886	810.987	864.547	905.270	939.079	1066.668	1180.902	1280.547	1364.374	1431.187
-42.5	592.425	641.990	687.219	721.257	745.896	768.079	787.666	804.524	818.525	829.553
-47.5	477.024	496.672	514.194	532.547	552.713	570.705	586.425	599.777	610.672	619.028
-55.0	355.277	370.630	384.242	394.198	401.225	407.396	412.694	417.104	420.611	423.205
-65.0	204.717	214.133	222.425	228.458	232.699	236.414	239.596	242.242	244.348	245.913
-75.0	83.720	87.922	91.641	94.365	96.294	98.000	99.480	100.734	101.760	102.558
-85.0	18.561	19.119	19.632	20.022	20.310	20.575	20.817	21.036	21.230	21.400
-90.0	0.583	0.605	0.627	0.645	0.659	0.673	0.688	0.702	0.716	0.730

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	0.744	0.758	0.765	0.758	0.744	0.730	0.716	0.702	0.688	0.673
85.0	21.546	21.666	21.717	21.666	21.546	21.400	21.230	21.036	20.817	20.575
75.0	103.128	103.470	103.555	103.470	103.128	102.558	101.760	100.734	99.480	98.000
65.0	246.934	247.414	247.450	247.414	246.934	245.913	244.348	242.242	239.596	236.414

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	424.879	425.625	425.650	425.625	424.879	423.205	420.611	417.104	412.694	407.396
47.5	624.771	627.839	628.353	627.839	624.771	619.028	610.672	599.777	586.425	570.705
42.5	837.502	842.281	843.458	842.281	837.502	829.553	818.525	804.524	787.666	768.079
37.5	1479.843	1509.288	1516.508	1509.288	1479.843	1431.187	1364.374	1280.547	1180.902	1066.668
33.0	2471.041	*2519.155	*2534.403	*2519.155	*2471.041	*2400.590	*2309.328	*2198.891	*2070.975	*1927.279 *
29.0	3726.202	*3848.756	*3878.900	*3848.756	*3726.202	*3522.300	*3239.883	*2994.034	*2836.140	*2661.805 *
25.5	6026.392	*6172.551	*6209.550	*6172.551	*6026.392	*5786.514	*5457.117	*5043.499	*4551.713	*3988.230 *
22.5	7990.873	*8162.726	*8207.250	*8162.726	*7990.873	*7712.265	*7332.983	*6860.551	*6303.334	*5669.988 *
19.5	9880.242	*10038.098	*10085.900	*10038.098	*9880.242	*9617.764	*9176.173	*8631.848	*7996.541	*7281.885 *
17.0	10922.773	*11101.763	*11155.400	*11101.763	*10922.773	*10652.798	*10299.705	9872.925	*9346.734	*8554.302 *
15.0	11750.542	*11951.281	*12011.000	*11951.282	*11750.543	*11448.117	*11055.069	*10584.087	*10047.793	*9457.667 *
13.0	12570.109	*12798.923	*12866.600	*12798.923	*12570.109	*12226.839	*11785.123	*11262.240	*10674.233	*10034.727 *
11.0	13377.292	*13643.673	*13722.200	*13643.672	*13377.292	*12981.329	*12479.706	*11896.038	*11250.281	*10557.921 *
9.0	14023.217	*14213.833	*14286.000	*14213.833	*14023.217	*13698.859	*13123.232	*12469.463	*11761.044	*11014.194 *
7.0	14275.859	*14483.706	*14558.000	*14483.706	*14275.859	*13996.971	*13663.669	*12960.257	*12187.661	*11388.201 *
5.0	14514.349	*14751.766	*14830.000	*14751.766	*14514.349	*14191.218	*13814.112	*13339.020	*12507.779	*11663.195 *
3.0	14718.741	*15014.497	*15102.000	*15014.497	*14718.741	*14330.580	*13902.988	*13457.140	*12698.030	*11823.055 *
1.0	14825.934	*15246.249	*15374.000	*15246.249	*14825.934	*14366.143	*13898.432	*13427.878	*12739.180	*11855.422 *
0.0	14799.000	*15273.000	*15510.000	*15273.000	*14799.000	*14325.000	*13851.000	*13377.000	*12700.600	*11821.800 *
-1.0	14825.934	*15246.249	*15374.000	*15246.249	*14825.934	*14366.143	*13898.432	*13427.878	*12739.180	*11855.422 *
-3.0	14718.741	*15014.497	*15102.000	*15014.497	*14718.741	*14330.581	*13902.988	*13457.140	*12698.030	*11823.055 *
-5.0	14514.349	*14751.766	*14830.000	*14751.766	*14514.349	*14191.218	*13814.112	*13339.020	*12507.779	*11663.195 *
-7.0	14275.859	*14483.706	*14558.000	*14483.706	*14275.859	*13996.971	*13663.669	*12960.257	*12187.661	*11388.200 *
-9.0	14023.216	*14213.833	*14286.000	*14213.833	*14023.216	*13698.859	*13123.232	*12469.463	*11761.045	*11014.195 *
-11.0	13377.292	*13643.673	*13722.200	*13643.673	*13377.292	*12981.329	*12479.706	*11896.038	*11250.281	*10557.921 *
-13.0	12570.109	*12798.923	*12866.600	*12798.923	*12570.109	*12226.838	*11785.123	*11262.240	*10674.234	*10034.727 *
-15.0	11750.542	*11951.282	*12011.000	*11951.282	*11750.542	*11448.118	*11055.069	*10584.087	*10047.793	*9457.667 *
-17.0	10922.773	*11101.763	*11155.400	*11101.763	*10922.773	*10652.798	*10299.705	9872.926	*9346.735	*8554.302 *
-19.5	9880.242	*10038.098	*10085.900	*10038.098	*9880.242	*9617.764	*9176.173	*8631.848	*7996.541	*7281.885 *
-22.5	7990.873	*8162.726	*8207.250	*8162.726	*7990.873	*7712.265	*7332.983	*6860.551	*6303.334	*5669.988 *
-25.5	6026.392	*6172.551	*6209.550	*6172.551	*6026.392	*5786.514	*5457.117	*5043.499	*4551.713	*3988.230 *
-29.0	3726.202	*3848.756	*3878.900	*3848.756	*3726.202	*3522.300	*3239.883	*2994.034	*2836.140	*2661.805 *
-33.0	2471.041	*2519.155	*2534.403	*2519.155	*2471.041	*2400.590	*2309.328	*2198.891	*2070.975	*1927.279 *
-37.5	1479.843	1509.288	1516.508	1509.288	1479.843	1431.187	1364.374	1280.547	1180.902	1066.668
-42.5	837.502	842.281	843.458	842.281	837.502	829.553	818.525	804.524	787.666	768.079
-47.5	624.771	627.839	628.353	627.839	624.771	619.028	610.672	599.777	586.425	570.705
-55.0	424.879	425.625	425.650	425.625	424.879	423.205	420.611	417.104	412.694	407.396
-65.0	246.934	247.414	247.450	247.414	246.934	245.913	244.348	242.242	239.596	236.414
-75.0	103.128	103.470	103.555	103.470	103.128	102.558	101.760	100.734	99.480	98.000
-85.0	21.546	21.666	21.717	21.666	21.546	21.400	21.230	21.036	20.817	20.575
-90.0	0.744	0.758	0.765	0.758	0.744	0.730	0.716	0.702	0.688	0.673

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	0.659	0.645	0.627	0.605	0.583	0.558	0.529	0.496	0.459	0.422
85.0	20.310	20.022	19.632	19.119	18.561	17.854	16.977	15.910	14.634	13.274
75.0	96.294	94.365	91.641	87.922	83.720	78.221	71.174	62.312	51.369	39.347
65.0	232.699	228.458	222.425	214.133	204.717	192.357	176.488	158.407	140.395	120.664
55.0	401.225	394.198	384.242	370.630	355.277	335.279	312.341	283.925	249.104	211.218
47.5	552.713	532.547	514.194	496.672	477.024	451.598	419.507	379.926	332.383	286.075
42.5	745.896	721.257	687.219	641.990	592.425	529.727	489.622	444.443	390.317	332.931
37.5	939.079	905.270	864.547	810.987	752.886	680.123	591.399	505.602	445.021	381.058
33.0	1769.468	*1599.136	*1370.882	1077.979	889.613	807.305	707.978	590.905	490.739	421.173
29.0	2473.206	*2272.353	*2006.809	*1670.971	*1320.591	916.067	803.475	676.448	531.070	453.754
25.5	3359.626	*2822.719	*2522.210	*2147.388	*1761.339	*1301.312	879.662	744.293	590.530	479.621

CANDELA TABULATION - (Cont.)

22.5	4969.019	*4208.473	*3185.186	*2517.220	*2101.452	*1610.997	*1047.149	796.641	636.269	499.656
19.5	6498.793	*5657.108	*4535.654	*3106.674	*2401.237	*1883.329	*1292.979	843.124	676.822	517.577
17.0	7694.925	*6779.930	*5572.260	*4048.571	*2616.275	*2078.836	*1470.106	877.048	706.426	535.263
15.0	8586.911	*7610.307	*6332.097	*4733.036	*3080.257	*2213.100	*1592.625	*904.015	727.247	553.463
13.0	9354.684	*8368.650	*7020.212	*5348.072	*3632.576	*2326.634	*1697.440	*1000.694	745.444	569.436
11.0	9830.480	*9042.578	*7626.523	*5885.906	*4112.967	*2418.669	*1784.101	*1082.236	760.954	583.142
9.0	10239.872	*9445.504	*8140.493	*6338.769	*4515.674	*2488.684	*1852.340	*1148.510	773.727	594.549
7.0	10570.605	*9740.319	*8551.705	*6699.306	*4835.411	*2651.015	*1902.085	*1199.513	783.728	603.633
5.0	10810.114	*9951.323	*8850.662	*6961.072	*5067.689	*2855.595	*1933.488	*1235.381	790.936	610.383
3.0	10947.003	*10070.258	*8973.672	*7119.079	*5209.116	*2981.488	*1946.929	*1256.386	795.347	614.795
1.0	10972.943	*10091.293	*8990.005	*7170.280	*5257.665	*3027.383	*1943.007	*1262.934	796.973	616.877
0.0	10943.000	*10064.200	*8965.700	*7155.500	*5246.900	*3020.200	*1934.780	*1260.950	796.750	617.050
-1.0	10972.943	*10091.293	*8990.005	*7170.280	*5257.665	*3027.383	*1943.007	*1262.934	796.973	616.877
-3.0	10947.003	*10070.258	*8973.672	*7119.079	*5209.116	*2981.488	*1946.929	*1256.386	795.347	614.795
-5.0	10810.114	*9951.323	*8850.662	*6961.072	*5067.689	*2855.595	*1933.488	*1235.381	790.936	610.383
-7.0	10570.605	*9740.319	*8551.705	*6699.306	*4835.411	*2651.015	*1902.085	*1199.513	783.728	603.633
-9.0	10239.872	*9445.504	*8140.493	*6338.769	*4515.674	*2488.684	*1852.340	*1148.510	773.727	594.549
-11.0	9830.480	*9042.578	*7626.523	*5885.906	*4112.967	*2418.669	*1784.101	*1082.236	760.954	583.142
-13.0	9354.684	*8368.650	*7020.212	*5348.072	*3632.576	*2326.634	*1697.440	*1000.694	745.444	569.436
-15.0	8586.911	*7610.307	*6332.097	*4733.036	*3080.257	*2213.100	*1592.625	*904.015	727.247	553.463
-17.0	7694.925	*6779.930	*5572.260	*4048.570	*2616.275	*2078.836	*1470.106	877.048	706.426	535.263
-19.5	6498.793	*5657.108	*4535.654	*3106.674	*2401.237	*1883.329	*1292.979	843.124	676.822	517.577
-22.5	4969.019	*4208.473	*3185.186	*2517.220	*2101.452	*1610.997	*1047.149	796.641	636.269	499.656
-25.5	3359.626	*2822.718	*2522.210	*2147.388	*1761.339	*1301.312	879.662	744.293	590.530	479.621
-29.0	2473.206	*2272.353	*2006.809	*1670.971	*1320.591	916.067	803.475	676.448	531.070	453.754
-33.0	1769.468	*1599.136	*1370.882	1077.979	889.613	807.305	707.978	590.905	490.739	421.173
-37.5	939.079	905.270	864.547	810.987	752.886	680.123	591.399	505.602	445.021	381.058
-42.5	745.896	721.257	687.219	641.990	592.425	529.727	489.622	444.443	390.317	332.931
-47.5	552.713	532.547	514.194	496.672	477.024	451.598	419.507	379.926	332.383	286.075
-55.0	401.225	394.198	384.242	370.630	355.277	335.279	312.341	283.925	249.104	211.218
-65.0	232.699	228.458	222.425	214.133	204.717	192.357	176.488	158.407	140.395	120.664
-75.0	96.294	94.365	91.641	87.922	83.720	78.221	71.174	62.312	51.369	39.347
-85.0	20.310	20.022	19.632	19.119	18.561	17.854	16.977	15.910	14.634	13.274
-90.0	0.659	0.645	0.627	0.605	0.583	0.558	0.529	0.496	0.459	0.422

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	0.366	0.291	0.216	0.141	0.103
85.0	11.103	8.031	4.852	1.667	0.106
75.0	32.337	23.310	13.994	4.677	0.112
65.0	88.209	40.481	22.701	7.544	0.118
55.0	153.108	87.506	30.696	10.180	0.123
47.5	211.276	119.742	36.708	11.955	0.127
42.5	249.574	139.463	48.436	13.025	0.129
37.5	285.096	157.563	59.126	13.994	0.131
33.0	314.377	175.905	67.786	14.775	0.132
29.0	338.207	192.123	74.670	15.392	0.133
25.5	358.631	204.833	80.032	15.869	0.134
22.5	374.355	214.571	84.118	16.231	0.135
19.5	388.346	223.199	87.719	16.548	0.136
17.0	398.623	229.513	90.341	16.777	0.136
15.0	405.911	233.976	92.186	16.938	0.137
13.0	412.346	237.908	93.803	17.077	0.137
11.0	417.912	241.298	95.190	17.196	0.137
9.0	422.592	244.140	96.345	17.294	0.137

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CANDELA TABULATION - (Cont.)

7.0	426.374	246.428	97.265	17.370	0.137
5.0	429.246	248.156	97.949	17.426	0.138
3.0	431.200	249.319	98.396	17.460	0.138
1.0	432.232	249.916	98.605	17.473	0.138
0.0	432.400	250.000	98.620	17.472	0.138
-1.0	432.232	249.916	98.605	17.473	0.138
-3.0	431.200	249.319	98.396	17.460	0.138
-5.0	429.246	248.156	97.949	17.426	0.138
-7.0	426.374	246.428	97.265	17.370	0.137
-9.0	422.592	244.140	96.345	17.294	0.137
-11.0	417.912	241.298	95.190	17.196	0.137
-13.0	412.346	237.908	93.803	17.077	0.137
-15.0	405.911	233.976	92.186	16.938	0.137
-17.0	398.623	229.513	90.341	16.777	0.136
-19.5	388.346	223.199	87.719	16.548	0.136
-22.5	374.355	214.571	84.118	16.231	0.135
-25.5	358.631	204.833	80.032	15.869	0.134
-29.0	338.207	192.123	74.670	15.392	0.133
-33.0	314.377	175.905	67.786	14.775	0.132
-37.5	285.096	157.563	59.126	13.994	0.131
-42.5	249.574	139.463	48.436	13.025	0.129
-47.5	211.276	119.742	36.708	11.955	0.127
-55.0	153.108	87.506	30.696	10.180	0.123
-65.0	88.209	40.481	22.701	7.544	0.118
-75.0	32.337	23.310	13.994	4.677	0.112
-85.0	11.103	8.031	4.852	1.667	0.106
-90.0	0.366	0.291	0.216	0.141	0.103

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 4872.16
Total Field Lumens (one side of beam only) = 4061.67
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
85	0.19	0.38	0.38	0.37	0.37	0.36	0.36	0.35	0.34	0.41
75	0.53	1.07	1.06	1.05	1.04	1.02	1.00	0.98	0.95	1.15
65	1.03	2.05	2.04	2.02	2.00	1.97	1.93	1.89	1.84	2.22
55	1.20	2.40	2.38	2.36	2.32	2.27	2.21	2.14	2.07	2.47
47.5	1.12	2.23	2.21	2.18	2.14	2.08	2.02	1.95	1.87	2.22
42.5	1.79	3.55	3.48	3.37	3.22	3.04	2.83	2.60	2.42	2.87
37.5	2.77 *	5.47 *	5.32 *	5.12 *	4.85 *	4.54 *	4.19 *	3.79	3.43	3.86
33	3.89 *	7.65 *	7.37 *	6.95 *	6.48 *	6.06 *	5.66 *	5.22 *	4.75 *	5.24 *
29	5.36 *	10.53 *	10.14 *	9.55 *	8.83 *	8.10 *	7.32 *	6.46 *	5.60 *	6.09 *
25.5	6.57 *	12.95 *	12.54 *	11.95 *	11.17 *	10.24 *	9.17 *	7.97 *	6.75 *	6.91 *
22.5	8.34 *	16.47 *	16.04 *	15.38 *	14.48 *	13.41 *	12.18 *	10.83 *	9.37 *	9.54 *
19.5	8.07 *	15.96 *	15.60 *	15.05 *	14.32 *	13.44 *	12.36 *	11.09 *	9.75 *	10.19 *
17	7.04 *	13.92 *	13.61 *	13.16 *	12.61 *	11.95 *	11.15 *	10.14 *	8.98 *	9.51 *
15	7.56 *	14.94 *	14.58 *	14.09 *	13.48 *	12.77 *	11.98 *	11.06 *	9.93 *	10.61 *
13	8.08 *	15.95 *	15.54 *	14.99 *	14.30 *	13.52 *	12.67 *	11.76 *	10.72 *	11.59 *
11	8.51 *	16.82 *	16.43 *	15.84 *	15.07 *	14.21 *	13.28 *	12.31 *	11.29 *	12.39 *
9	8.76 *	17.35 *	17.01 *	16.50 *	15.75 *	14.81 *	13.81 *	12.77 *	11.71 *	12.97 *
7	8.93 *	17.66 *	17.31 *	16.86 *	16.22 *	15.30 *	14.23 *	13.13 *	12.03 *	13.41 *
5	9.09 *	17.96 *	17.55 *	17.04 *	16.44 *	15.60 *	14.51 *	13.37 *	12.23 *	13.68 *
3	9.25 *	18.21 *	17.70 *	17.12 *	16.50 *	15.70 *	14.63 *	13.48 *	12.32 *	13.79 *
1	4.68 *	9.15 *	8.86 *	8.55 *	8.23 *	7.84 *	7.32 *	6.74 *	6.16 *	6.89 *
0	4.68 *	9.15 *	8.86 *	8.55 *	8.23 *	7.84 *	7.32 *	6.74 *	6.16 *	6.89 *
-1	9.25 *	18.21 *	17.70 *	17.12 *	16.50 *	15.70 *	14.63 *	13.48 *	12.32 *	13.79 *
-3	9.09 *	17.96 *	17.55 *	17.04 *	16.44 *	15.60 *	14.51 *	13.37 *	12.23 *	13.68 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

LUMENS TABULATION - (Cont.)

-5	8.93 *	17.66 *	17.31 *	16.86 *	16.22 *	15.30 *	14.23 *	13.13 *	12.03 *	13.41 *
-7	8.76 *	17.35 *	17.01 *	16.50 *	15.75 *	14.81 *	13.81 *	12.77 *	11.71 *	12.97 *
-9	8.51 *	16.82 *	16.43 *	15.84 *	15.07 *	14.21 *	13.28 *	12.31 *	11.29 *	12.39 *
-11	8.08 *	15.95 *	15.54 *	14.99 *	14.30 *	13.52 *	12.67 *	11.76 *	10.72 *	11.59 *
-13	7.56 *	14.94 *	14.58 *	14.09 *	13.48 *	12.77 *	11.98 *	11.06 *	9.93 *	10.61 *
-15	7.04 *	13.92 *	13.61 *	13.16 *	12.61 *	11.95 *	11.15 *	10.14 *	8.98 *	9.51 *
-17	8.07 *	15.96 *	15.60 *	15.05 *	14.32 *	13.44 *	12.36 *	11.09 *	9.75 *	10.19 *
-19.5	8.34 *	16.47 *	16.04 *	15.38 *	14.48 *	13.41 *	12.18 *	10.83 *	9.37 *	9.54 *
-22.5	6.57 *	12.95 *	12.54 *	11.95 *	11.17 *	10.24 *	9.17 *	7.97 *	6.75 *	6.91 *
-25.5	5.36 *	10.53 *	10.14 *	9.55 *	8.83 *	8.10 *	7.32 *	6.46 *	5.60 *	6.09 *
-29	3.89 *	7.65 *	7.37 *	6.95 *	6.48 *	6.06 *	5.66 *	5.22 *	4.75 *	5.24 *
-33	2.77 *	5.47 *	5.32 *	5.12 *	4.85 *	4.54 *	4.19 *	3.79	3.43	3.86
-37.5	1.79	3.55	3.48	3.37	3.22	3.04	2.83	2.60	2.42	2.87
-42.5	1.12	2.23	2.21	2.18	2.14	2.08	2.02	1.95	1.87	2.22
-47.5	1.20	2.40	2.38	2.36	2.32	2.27	2.21	2.14	2.07	2.47
-55	1.03	2.05	2.04	2.02	2.00	1.97	1.93	1.89	1.84	2.22
-65	0.53	1.07	1.06	1.05	1.04	1.02	1.00	0.98	0.95	1.15
-75	0.19	0.38	0.38	0.37	0.37	0.36	0.36	0.35	0.34	0.41
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
-90										
Total	225.55	445.41	434.39	419.03	399.72	376.53	349.65	320.11	289.07	316.10

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.02
85	0.47	0.44	0.47	0.48	0.47	0.42	0.32	0.34	0.28	0.13
75	1.31	1.23	1.32	1.35	1.31	1.20	0.95	1.00	0.70	0.26
65	2.54	2.39	2.58	2.65	2.61	2.43	1.94	2.05	1.40	0.47
55	2.82	2.66	2.88	2.97	2.93	2.72	2.18	2.31	1.63	0.54
47.5	2.50	2.30	2.43	2.47	2.43	2.26	1.81	1.93	1.37	0.45

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IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

42.5	3.20	2.92	3.03	2.99	2.84	2.60	2.09	2.23	1.58	0.53
37.5	3.96	3.32	3.34	3.27	3.02	2.67	2.11	2.25	1.60	0.54
33	5.23	4.14	3.73	3.38	3.11	2.67	2.04	2.18	1.55	0.53
29	6.23 *	5.04 *	4.39	3.56	3.04	2.59	1.94	2.04	1.46	0.50
25.5	6.64 *	5.34 *	4.82 *	3.79	2.91	2.42	1.78	1.84	1.31	0.46
22.5	8.54 *	6.34 *	5.68 *	4.57	3.34	2.58	1.88	1.91	1.37	0.48
19.5	9.20 *	6.35 *	5.32 *	4.39 *	3.14	2.26	1.64	1.64	1.18	0.41
17	8.82 *	6.04 *	4.73 *	3.84 *	2.71	1.87	1.36	1.35	0.96	0.34
15	10.00 *	7.01 *	5.33 *	4.09 *	2.91	1.97	1.40	1.39	0.98	0.34
13	11.04 *	7.92 *	5.92 *	4.30 *	3.11	2.09	1.43	1.42	1.00	0.35
11	11.94 *	8.70 *	6.41 *	4.46 *	3.28	2.20	1.46	1.44	1.01	0.35
9	12.68 *	9.34 *	6.87 *	4.64 *	3.41	2.28	1.48	1.46	1.02	0.36
7	13.25 *	9.83 *	7.30 *	4.88 *	3.51 *	2.34	1.50	1.48	1.03	0.36
5	13.61 *	10.17 *	7.64 *	5.07 *	3.57 *	2.38	1.51	1.49	1.03	0.36
3	13.76 *	10.33 *	7.81 *	5.17 *	3.59 *	2.40	1.52	1.50	1.04	0.36
1	6.88 *	5.18 *	3.92 *	2.59 *	1.79 *	1.20	0.76	0.75	0.52	0.18
0	6.88 *	5.18 *	3.92 *	2.59 *	1.79 *	1.20	0.76	0.75	0.52	0.18
-1	13.76 *	10.33 *	7.81 *	5.17 *	3.59 *	2.40	1.52	1.50	1.04	0.36
-3	13.61 *	10.17 *	7.64 *	5.07 *	3.57 *	2.38	1.51	1.49	1.03	0.36
-5	13.25 *	9.83 *	7.30 *	4.88 *	3.51 *	2.34	1.50	1.48	1.03	0.36
-7	12.68 *	9.34 *	6.87 *	4.64 *	3.41	2.28	1.48	1.46	1.02	0.36
-9	11.94 *	8.70 *	6.41 *	4.46 *	3.28	2.20	1.46	1.44	1.01	0.35
-11	11.04 *	7.92 *	5.92 *	4.30 *	3.11	2.09	1.43	1.42	1.00	0.35
-13	10.00 *	7.01 *	5.33 *	4.09 *	2.91	1.97	1.40	1.39	0.98	0.34
-15	8.82 *	6.04 *	4.73 *	3.84 *	2.71	1.87	1.36	1.35	0.96	0.34
-17	9.20 *	6.35 *	5.32 *	4.39 *	3.14	2.26	1.64	1.64	1.18	0.41
-19.5	8.54 *	6.34 *	5.68 *	4.57	3.34	2.58	1.88	1.91	1.37	0.48
-22.5	6.64 *	5.34 *	4.82 *	3.79	2.91	2.42	1.78	1.84	1.31	0.46

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-25.5	6.23 *	5.04 *	4.39	3.56	3.04	2.59	1.94	2.04	1.46	0.50
-29	5.23	4.14	3.73	3.38	3.11	2.67	2.04	2.18	1.55	0.53
-33	3.96	3.32	3.34	3.27	3.02	2.67	2.11	2.25	1.60	0.54
-37.5	3.20	2.92	3.03	2.99	2.84	2.60	2.09	2.23	1.58	0.53
-42.5	2.50	2.30	2.43	2.47	2.43	2.26	1.81	1.93	1.37	0.45
-47.5	2.82	2.66	2.88	2.97	2.93	2.72	2.18	2.31	1.63	0.54
-55	2.54	2.39	2.58	2.65	2.61	2.43	1.94	2.05	1.40	0.47
-65	1.31	1.23	1.32	1.35	1.31	1.20	0.95	1.00	0.70	0.26
-75	0.47	0.44	0.47	0.48	0.47	0.42	0.32	0.34	0.28	0.13
-85	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.02
-90										
Total	309.31	234.09	191.91	149.94	118.12	91.20	66.25	68.09	48.12	16.60

Vert. Angles	**Horizontal Angles**		
75	**85**	**90**	**Total**
90	0.00	0.00	0.73
85	0.03	0.00	7.36
75	0.06	0.00	20.58
65	0.09	0.00	40.13
55	0.09	0.00	45.55
47.5	0.07	0.00	40.02
42.5	0.09	0.00	53.28
37.5	0.09	0.00	69.50
33	0.09	0.00	87.93
29	0.09	0.00	108.86
25.5	0.08	0.00	127.59
22.5	0.08	0.00	162.80
19.5	0.07	0.00	161.43
17	0.06	0.00	144.16
15	0.06	0.00	156.47

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LUMENS TABULATION - (Cont.)

13			
	0.06	0.00	167.75
11			
	0.06	0.00	177.47
9			
	0.06	0.00	185.07
7			
	0.06	0.00	190.62
5			
	0.06	0.00	194.36
3			
	0.06	0.00	196.20
1			
	0.03	0.00	98.22
0			
	0.03	0.00	98.22
-1			
	0.06	0.00	196.20
-3			
	0.06	0.00	194.36
-5			
	0.06	0.00	190.62
-7			
	0.06	0.00	185.07
-9			
	0.06	0.00	177.47
-11			
	0.06	0.00	167.75
-13			
	0.06	0.00	156.47
-15			
	0.06	0.00	144.16
-17			
	0.07	0.00	161.43
-19.5			
	0.08	0.00	162.80
-22.5			
	0.08	0.00	127.59
-25.5			
	0.09	0.00	108.86
-29			
	0.09	0.00	87.93
-33			
	0.09	0.00	69.50
-37.5			
	0.09	0.00	53.28
-42.5			
	0.07	0.00	40.02
-47.5			
	0.09	0.00	45.55
-55			
	0.09	0.00	40.13
-65			
	0.06	0.00	20.58
-75			
	0.03	0.00	7.36

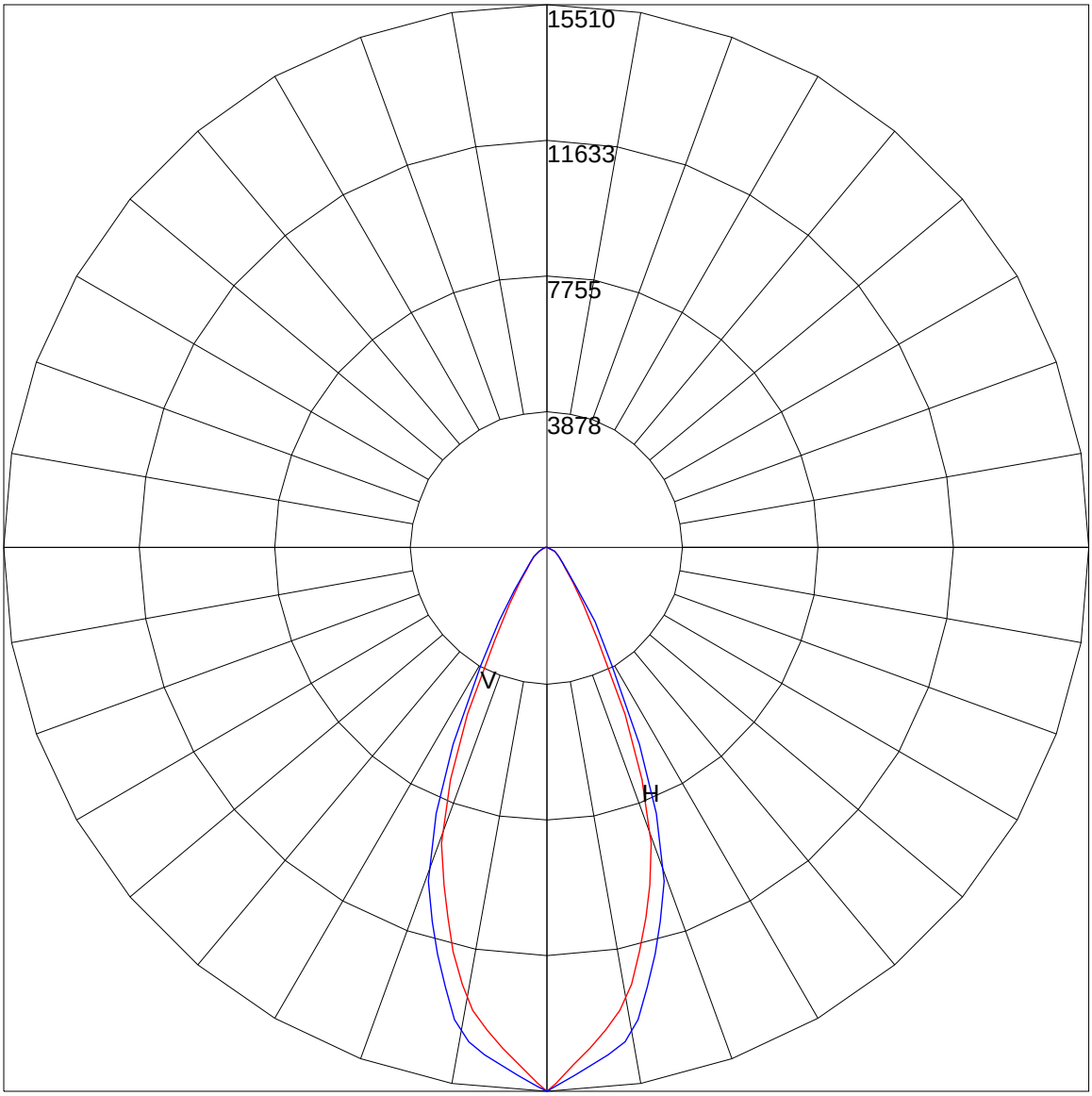
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LUMENS TABULATION - (Cont.)

-85			
	0.00	0.00	0.73
-90			
Total	2.91	0.07	4872.16

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

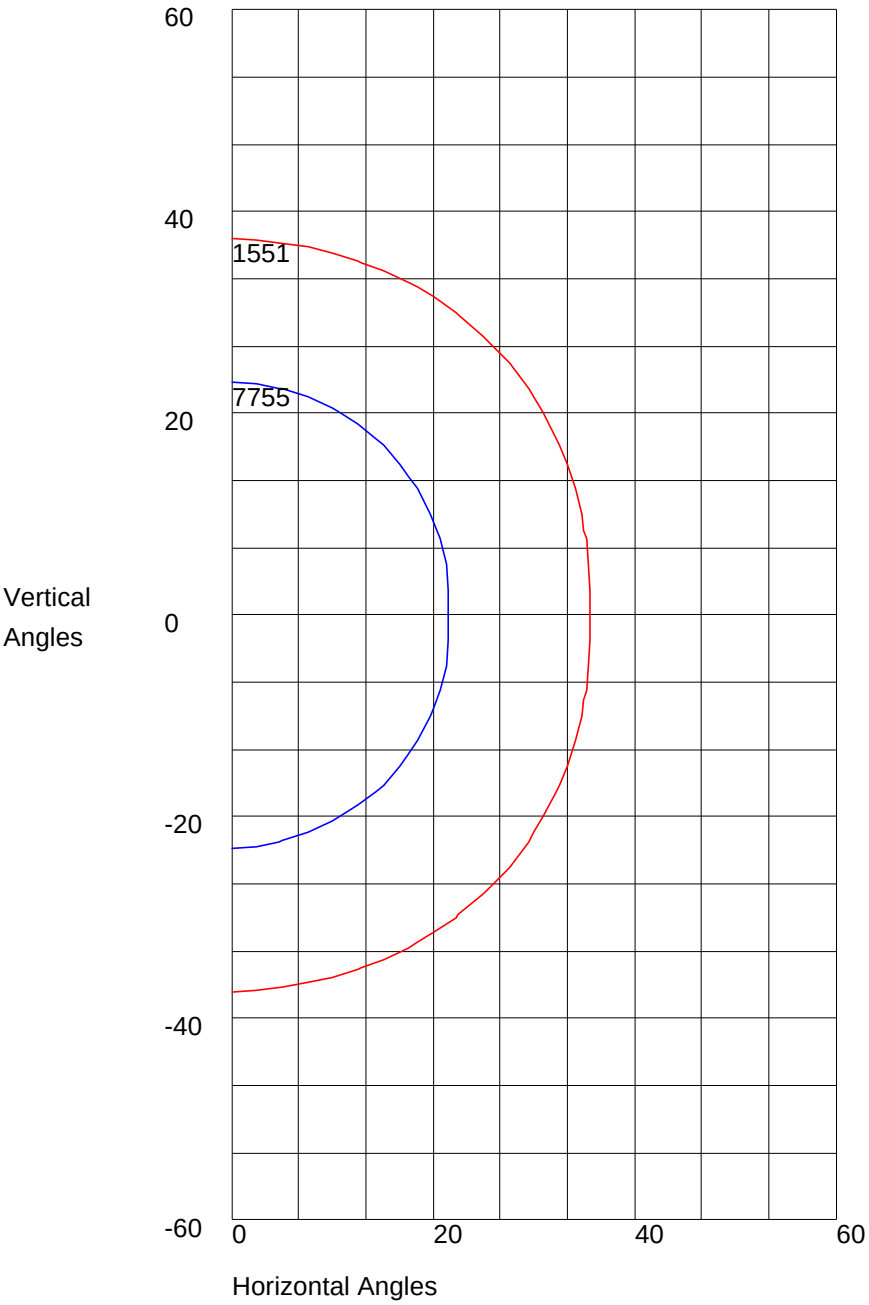
AXIAL CANDELA DISPLAY



Maximum Candela = 15510 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

ISOCANDELA CURVES



Maximum Candela = 15510 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 7755
10% Maximum Candela = 1551