



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[ISSUEDATE] 2012
[MANUFAC] LARSON ELECTRONCS, LLC
[LUMCAT] LEDP5W-30 Spot Config
[LUMINAIRE] 150 Watt LED LAMP
[LAMP] LED LAMP

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	96850
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	13.2
Vertical Beam Angle (50%)	13.2
Horizontal Field Angle (10%)	32.5
Vertical Field Angle (10%)	32.8
Lumens Per Lamp	10430 (1 lamp)
Total Lamp Lumens	10430
Beam Lumens	2822
Beam Efficiency	27 %
Field Lumens	7152
Field Efficiency	69 %
Spill Lumens	3317
Luminaire Lumens	10468
Total Efficiency	100 %
Total Luminaire Watts	150
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.186	90	1.218
85	17.501	85	26.489
75	107.575	75	121.555
65	280.85	65	289.8
55	507.45	55	514.3
47.5	696.2	47.5	686.525
42.5	821.6	42.5	778.975
37.5	928.975	37.5	861.25
33	1009.39	33	926.14
29	1082.1	29	1047.26
25.5	1148.95	25.5	1319.77
22.5	1206.25	22.5	1553.35
19.5	2375.8	19.5	2845.1
17	7984.8	17	8330.6
15	12472	15	12719
13	16959.2	13	17107.4
11	21446.4	11	21495.8
9	31006.002	9	31006.002
7	45638.001	7	45638.001
5	60270	5	60270
3	74901.999	3	74901.999
1	89534	1	89534
0	96850	0	96850
-1	89534	-1	89534
-3	74901.999	-3	74901.999
-5	60270	-5	60270
-7	45638.001	-7	45638.001
-9	31006.002	-9	31006.002
-11	21446.4	-11	21495.8
-13	16959.2	-13	17107.4
-15	12472	-15	12719
-17	7984.8	-17	8330.6
-19.5	2375.8	-19.5	2845.1
-22.5	1206.25	-22.5	1553.35
-25.5	1148.95	-25.5	1319.77
-29	1082.1	-29	1047.26
-33	1009.39	-33	926.14
-37.5	928.975	-37.5	861.25
-42.5	821.6	-42.5	778.975
-47.5	696.2	-47.5	686.525
-55	507.45	-55	514.3
-65	280.85	-65	289.8
-75	107.575	-75	121.555
-85	17.501	-85	26.489
-90	.186	-90	1.218

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CANDELA TABULATION

Maximum Candela = 96850

Beam Edge = 48425 Cd (50% of Max.)

Field Edge = 9685 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	0.151	0.211	0.330	0.450	0.570	0.659	0.719	0.779	0.832	0.879
85.0	0.154	1.756	5.147	8.689	12.259	14.878	16.563	18.180	19.564	20.725
75.0	0.160	4.801	14.630	24.912	35.312	43.675	57.862	70.826	81.373	89.804
65.0	0.166	7.696	23.613	43.321	98.685	136.448	159.470	180.550	202.021	221.047
55.0	0.171	10.348	31.787	96.826	172.576	240.630	285.342	326.658	360.580	388.458
47.5	0.175	12.126	37.973	133.445	239.581	327.268	381.869	445.520	498.884	542.233
42.5	0.177	13.194	51.271	155.814	283.705	381.323	457.982	530.698	591.478	640.606
37.5	0.179	14.157	63.378	176.315	324.517	444.396	530.108	611.363	674.247	722.124
33.0	0.180	14.929	73.171	197.255	358.051	497.201	590.311	674.633	740.589	793.590
29.0	0.181	15.536	80.941	215.801	385.610	540.021	639.143	725.400	797.081	857.263
25.5	0.182	16.003	86.983	230.298	412.387	573.959	675.307	767.151	844.129	894.449
22.5	0.183	16.355	91.577	241.375	432.960	600.195	703.928	800.609	877.453	926.169
19.5	0.184	16.662	95.616	251.159	451.221	623.606	730.090	831.588	904.102	956.195
17.0	0.184	16.881	98.549	258.295	464.596	640.532	749.823	855.262	924.693	979.670
15.0	0.185	17.034	100.605	263.322	474.051	652.240	764.140	872.482	939.969	997.271
13.0	0.185	17.165	102.402	267.731	482.370	662.688	777.060	884.362	954.066	1013.678
11.0	0.185	17.275	103.935	271.515	489.530	671.819	788.503	895.043	966.875	1028.747
9.0	0.185	17.364	105.203	274.665	495.511	679.578	798.386	904.446	978.281	1042.325
7.0	0.185	17.431	106.203	277.175	500.296	685.913	806.632	912.491	988.174	1056.594
5.0	0.186	17.478	106.934	279.039	503.871	690.773	813.167	919.108	996.445	1068.894
3.0	0.186	17.503	107.394	280.253	506.224	694.116	817.925	924.228	1002.992	1076.815
1.0	0.186	17.507	107.583	280.815	507.349	695.902	820.845	927.792	1007.727	1081.083
0.0	0.186	17.501	107.575	280.850	507.450	696.200	821.600	928.975	1009.390	1082.100
-1.0	0.186	17.507	107.583	280.815	507.349	695.902	820.845	927.792	1007.727	1081.083
-3.0	0.186	17.503	107.394	280.253	506.224	694.116	817.925	924.228	1002.992	1076.815
-5.0	0.186	17.478	106.934	279.039	503.871	690.773	813.167	919.108	996.445	1068.894
-7.0	0.185	17.431	106.203	277.175	500.296	685.913	806.632	912.491	988.174	1056.594
-9.0	0.185	17.364	105.203	274.665	495.511	679.578	798.386	904.446	978.281	1042.325
-11.0	0.185	17.275	103.935	271.515	489.530	671.819	788.503	895.043	966.875	1028.747
-13.0	0.185	17.165	102.402	267.731	482.370	662.688	777.060	884.362	954.066	1013.678
-15.0	0.185	17.034	100.605	263.322	474.051	652.240	764.140	872.482	939.969	997.271
-17.0	0.184	16.881	98.549	258.295	464.596	640.532	749.823	855.262	924.693	979.670
-19.5	0.184	16.662	95.616	251.159	451.221	623.606	730.090	831.588	904.102	956.195
-22.5	0.183	16.355	91.577	241.375	432.960	600.195	703.928	800.609	877.453	926.169
-25.5	0.182	16.003	86.983	230.298	412.387	573.959	675.307	767.151	844.129	894.449
-29.0	0.181	15.536	80.941	215.801	385.610	540.021	639.143	725.400	797.081	857.263
-33.0	0.180	14.929	73.171	197.255	358.051	497.201	590.311	674.633	740.589	793.590
-37.5	0.179	14.157	63.378	176.315	324.517	444.396	530.108	611.363	674.247	722.124
-42.5	0.177	13.194	51.271	155.814	283.705	381.323	457.982	530.698	591.478	640.606
-47.5	0.175	12.126	37.973	133.445	239.581	327.268	381.869	445.520	498.884	542.233
-55.0	0.171	10.348	31.787	96.826	172.576	240.630	285.342	326.658	360.580	388.458
-65.0	0.166	7.696	23.613	43.321	98.685	136.448	159.470	180.550	202.021	221.047
-75.0	0.160	4.801	14.630	24.912	35.312	43.675	57.862	70.826	81.373	89.804
-85.0	0.154	1.756	5.147	8.689	12.259	14.878	16.563	18.180	19.564	20.725
-90.0	0.151	0.211	0.330	0.450	0.570	0.659	0.719	0.779	0.832	0.879

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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	0.921	0.956	0.991	1.021	1.044	1.067	1.091	1.114	1.137	1.160
85.0	21.683	22.455	23.178	23.742	24.166	24.565	24.938	25.284	25.602	25.892
75.0	96.422	101.512	106.052	109.406	111.805	113.948	115.834	117.462	118.828	119.934
65.0	235.956	247.385	257.522	264.956	270.225	274.882	278.918	282.328	285.106	287.247
55.0	415.679	436.643	455.304	469.019	478.750	487.348	494.791	501.057	506.129	509.992
47.5	576.656	603.325	627.185	643.552	653.469	662.078	669.376	675.367	680.058	683.466
42.5	673.821	698.939	720.811	736.470	747.277	756.533	764.226	770.354	774.924	777.952
37.5	759.366	787.532	811.991	829.395	841.178	848.361	854.173	858.594	861.613	863.231
33.0	835.012	862.178	882.003	896.110	905.719	913.774	920.224	925.031	928.173	929.645
29.0	888.814	914.179	936.389	952.236	963.031	972.051	979.217	984.465	1000.547	1023.393
25.5	930.707	958.682	983.338	1001.017	1040.904	1092.439	1141.917	1188.235	1230.104	1266.069
22.5	965.353	995.836	1041.946	1118.475	1180.525	1242.577	1303.691	1362.634	1417.861	1467.524
19.5	998.521	1047.571	1145.612	1231.596	1302.848	1375.747	1449.447	1522.680	1593.674	1660.107
17.0	1024.763	1113.454	1217.252	1309.949	1388.225	1469.947	1554.539	1619.314	1672.266	1716.014
15.0	1058.710	1156.746	1263.609	1360.393	1443.385	1507.649	1569.320	1627.654	1681.900	1731.117
13.0	1092.835	1191.153	1299.294	1398.515	1483.480	1553.222	1609.757	1662.459	1710.822	1754.631
11.0	1119.499	1216.377	1323.617	1423.083	1503.779	1563.054	1611.121	1658.769	1705.789	1752.937
9.0	1138.805	1232.366	1336.188	1435.824	1512.262	1568.838	1615.440	1661.979	1708.452	1754.871
7.0	1151.076	1239.389	1337.064	1432.907	1515.690	1569.218	1614.697	1660.161	1706.513	1752.763
5.0	1156.880	1238.093	1326.895	1423.317	1507.616	1559.398	1604.907	1651.305	1698.598	1745.794
3.0	1157.029	1229.528	1325.849	1421.413	1505.765	1556.062	1601.488	1648.927	1697.364	1744.702
1.0	1152.553	1215.119	1335.295	1433.419	1509.302	1558.725	1603.134	1649.604	1697.126	1744.697
0.0	1148.950	1206.250	1335.800	1434.800	1509.000	1557.200	1601.400	1648.000	1695.600	1743.200
-1.0	1152.553	1215.119	1335.295	1433.419	1509.302	1558.725	1603.134	1649.604	1697.126	1744.697
-3.0	1157.029	1229.528	1325.849	1421.413	1505.765	1556.062	1601.488	1648.927	1697.364	1744.702
-5.0	1156.880	1238.093	1326.895	1423.317	1507.616	1559.398	1604.907	1651.305	1698.598	1745.794
-7.0	1151.076	1239.389	1337.064	1432.907	1515.690	1569.218	1614.697	1660.161	1706.513	1752.763
-9.0	1138.805	1232.366	1336.188	1435.824	1512.262	1568.838	1615.440	1661.979	1708.452	1754.871
-11.0	1119.499	1216.377	1323.617	1423.083	1503.779	1563.054	1611.121	1658.769	1705.789	1752.937
-13.0	1092.835	1191.153	1299.294	1398.515	1483.480	1553.222	1609.757	1662.459	1710.822	1754.631
-15.0	1058.710	1156.746	1263.609	1360.393	1443.385	1507.649	1569.320	1627.654	1681.900	1731.117
-17.0	1024.763	1113.454	1217.252	1309.949	1388.225	1469.947	1554.539	1619.314	1672.266	1716.014
-19.5	998.521	1047.571	1145.612	1231.596	1302.848	1375.747	1449.447	1522.680	1593.674	1660.107
-22.5	965.353	995.836	1041.946	1118.475	1180.525	1242.577	1303.691	1362.634	1417.861	1467.524
-25.5	930.707	958.682	983.338	1001.017	1040.904	1092.439	1141.917	1188.235	1230.104	1266.069
-29.0	888.814	914.179	936.389	952.236	963.031	972.051	979.217	984.465	1000.547	1023.393
-33.0	835.012	862.178	882.003	896.110	905.719	913.774	920.224	925.031	928.173	929.645
-37.5	759.366	787.532	811.991	829.395	841.178	848.361	854.173	858.594	861.613	863.231
-42.5	673.821	698.939	720.811	736.470	747.277	756.533	764.226	770.354	774.924	777.952
-47.5	576.656	603.325	627.185	643.552	653.469	662.078	669.376	675.367	680.058	683.466
-55.0	415.679	436.643	455.304	469.019	478.750	487.348	494.791	501.057	506.129	509.992
-65.0	235.956	247.385	257.522	264.956	270.225	274.882	278.918	282.328	285.106	287.247
-75.0	96.422	101.512	106.052	109.406	111.805	113.948	115.834	117.462	118.828	119.934
-85.0	21.683	22.455	23.178	23.742	24.166	24.565	24.938	25.284	25.602	25.892
-90.0	0.921	0.956	0.991	1.021	1.044	1.067	1.091	1.114	1.137	1.160

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	1.183	1.206	1.218	1.206	1.183	1.160	1.137	1.114	1.091	1.067
85.0	26.153	26.384	26.489	26.384	26.153	25.892	25.602	25.284	24.938	24.565
75.0	120.779	121.362	121.555	121.362	120.779	119.934	118.828	117.462	115.834	113.948
65.0	288.749	289.610	289.800	289.610	288.749	287.247	285.106	282.328	278.918	274.882

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CANDELA TABULATION - (Cont.)

55.0	512.636	514.053	514.300	514.053	512.636	509.992	506.129	501.057	494.791	487.348
47.5	685.611	686.522	686.525	686.522	685.611	683.466	680.058	675.367	669.376	662.078
42.5	779.465	779.499	778.975	779.499	779.465	777.952	774.924	770.354	764.226	756.533
37.5	863.459	862.321	861.250	862.321	863.459	863.231	861.613	858.594	854.173	848.361
33.0	929.458	927.643	926.140	927.643	929.458	929.645	928.173	925.031	920.224	913.774
29.0	1039.213	1046.854	1047.260	1046.854	1039.213	1023.393	1000.547	984.465	979.217	972.051
25.5	1294.561	1313.967	1319.770	1313.967	1294.561	1266.069	1230.104	1188.235	1141.917	1092.439
22.5	1509.536	1541.674	1553.350	1541.674	1509.536	1467.524	1417.861	1362.634	1303.691	1242.577
19.5	2313.582	2775.412	2845.100	2775.412	2313.582	1660.107	1593.674	1522.680	1449.447	1375.747
17.0	7730.658	8254.843	8330.600	8254.843	7730.658	6726.014	5274.266	3419.314	1554.539	1469.947
15.0	12048.775	12636.958	12719.000	12636.958	12048.775	10919.117	9295.400	7237.654	4809.320	2070.649
13.0	16346.457	17017.183	17107.400	17017.183	16346.457	15058.631	13223.422	10924.459	8244.757	5258.222
11.0	20613.165	21394.494	21495.800	21394.494	20613.165	19119.375	17019.789	14432.769	11466.121	8208.054
9.0	27472.926	30604.126	31006.002	30604.126	27472.926	23058.717	20624.217	17694.808	14406.449	10858.838 *
7.0	41154.542	45120.642	45638.001	45120.642	41154.542	33968.383	24515.620	20613.357	16978.161	13136.218 *
5.0	54205.102	59547.397	60270.000	59547.397	54205.102	45150.944	33968.383	23053.707	19072.538	14955.398 *
3.0	65817.935	73715.834	74901.999	73715.834	65817.935	4205.102	41154.542	27472.926	20567.488	16229.066 *
1.0	73715.834	86503.876	89534.000	86503.876	73715.834	59547.397	45120.642	30604.126	21348.821	16881.725 *
0.0	74901.999	89534.000	96850.000	89534.000	74901.999	60270.000	45638.001	31006.002	21446.400	16959.200 *
-1.0	73715.834	86503.876	89534.000	86503.876	73715.834	59547.397	45120.642	30604.126	21348.821	16881.725 *
-3.0	65817.935	73715.834	74901.999	73715.834	65817.935	4205.102	41154.542	27472.926	20567.488	16229.066 *
-5.0	54205.102	59547.397	60270.000	59547.397	54205.102	45150.944	33968.383	23053.707	19072.538	14955.398 *
-7.0	41154.542	45120.642	45638.001	45120.642	41154.542	33968.383	24515.620	20613.357	16978.161	13136.218 *
-9.0	27472.926	30604.126	31006.002	30604.126	27472.926	23058.717	20624.217	17694.808	14406.449	10858.838 *
-11.0	20613.165	21394.494	21495.800	21394.494	20613.165	19119.375	17019.789	14432.769	11466.121	8208.054
-13.0	16346.457	17017.183	17107.400	17017.183	16346.457	15058.631	13223.422	10924.459	8244.757	5258.222
-15.0	12048.775	12636.958	12719.000	12636.958	12048.775	10919.117	9295.400	7237.654	4809.320	2070.649
-17.0	7730.658	8254.843	8330.600	8254.843	7730.658	6726.014	5274.266	3419.314	1554.539	1469.947
-19.5	2313.582	2775.412	2845.100	2775.412	2313.582	1660.107	1593.674	1522.680	1449.447	1375.747
-22.5	1509.536	1541.674	1553.350	1541.674	1509.536	1467.524	1417.861	1362.634	1303.691	1242.577
-25.5	1294.561	1313.967	1319.770	1313.967	1294.561	1266.069	1230.104	1188.235	1141.917	1092.439
-29.0	1039.213	1046.854	1047.260	1046.854	1039.213	1023.393	1000.547	984.465	979.217	972.051
-33.0	929.458	927.643	926.140	927.643	929.458	929.645	928.173	925.031	920.224	913.774
-37.5	863.459	862.321	861.250	862.321	863.459	863.231	861.613	858.594	854.173	848.361
-42.5	779.465	779.499	778.975	779.499	779.465	777.952	774.924	770.354	764.226	756.533
-47.5	685.611	686.522	686.525	686.522	685.611	683.466	680.058	675.367	669.376	662.078
-55.0	512.636	514.053	514.300	514.053	512.636	509.992	506.129	501.057	494.791	487.348
-65.0	288.749	289.610	289.800	289.610	288.749	287.247	285.106	282.328	278.918	274.882
-75.0	120.779	121.362	121.555	121.362	120.779	119.934	118.828	117.462	115.834	113.948
-85.0	26.153	26.384	26.489	26.384	26.153	25.892	25.602	25.284	24.938	24.565
-90.0	1.183	1.206	1.218	1.206	1.183	1.160	1.137	1.114	1.091	1.067

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	1.044	1.021	0.991	0.956	0.921	0.879	0.832	0.779	0.719	0.659
85.0	24.166	23.742	23.178	22.455	21.683	20.725	19.564	18.180	16.563	14.878
75.0	111.805	109.406	106.052	101.512	96.422	89.804	81.373	70.826	57.862	43.675
65.0	270.225	264.956	257.522	247.385	235.956	221.047	202.021	180.550	159.470	136.448
55.0	478.750	469.019	455.304	436.643	415.679	388.458	360.580	326.658	285.342	240.630
47.5	653.469	643.552	627.185	603.325	576.656	542.233	498.884	445.520	381.869	327.268
42.5	747.277	736.470	720.811	698.939	673.821	640.606	591.478	530.698	457.982	381.323
37.5	841.178	829.395	811.991	787.532	759.366	722.124	674.247	611.363	530.108	444.396
33.0	905.719	896.110	882.003	862.178	835.012	793.590	740.589	674.633	590.311	497.201
29.0	963.031	952.236	936.389	914.179	888.814	857.263	797.081	725.400	639.143	540.021
25.5	1040.904	1001.017	983.338	958.682	930.707	894.449	844.129	767.151	675.307	573.959

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	1180.525	1118.475	1041.946	995.836	965.353	926.169	877.453	800.609	703.928	600.195
19.5	1302.848	1231.596	1145.612	1047.571	998.521	956.195	904.102	831.588	730.090	623.606
17.0	1388.225	1309.949	1217.252	1113.454	1024.763	979.670	924.693	855.262	749.823	640.532
15.0	1443.385	1360.393	1263.609	1156.746	1058.710	997.271	939.969	872.482	764.140	652.240
13.0	2026.480	1398.515	1299.294	1191.153	1092.835	1013.678	954.067	884.362	777.060	662.688
11.0	4726.779	1423.083	1323.617	1216.377	1119.499	1028.747	966.875	895.043	788.503	671.819
9.0	7122.262	3245.824	1336.188	1232.366	1138.805	1042.325	978.281	904.446	798.386	679.578
7.0	9151.690	5065.907	1337.064	1239.389	1151.076	1056.594	988.174	912.491	806.632	685.913
5.0	10749.616	483.317	1326.895	1238.093	1156.880	1068.894	996.445	919.108	813.167	690.773
3.0	11852.765	7451.413	1925.849	1229.528	1157.029	1076.815	1002.992	924.228	817.925	694.116
1.0	12409.302	7933.419	2335.295	1215.119	1152.553	1081.083	1007.727	927.792	820.845	695.902
0.0	12472.000	7984.800	2375.800	1206.250	1148.950	1082.100	1009.390	928.975	821.600	696.200
-1.0	12409.302	7933.419	2335.295	1215.119	1152.553	1081.083	1007.727	927.792	820.845	695.902
-3.0	11852.765	7451.413	1925.849	1229.528	1157.029	1076.815	1002.992	924.228	817.925	694.116
-5.0	10749.616	483.317	1326.895	1238.093	1156.880	1068.894	996.445	919.108	813.167	690.773
-7.0	9151.690	5065.907	1337.064	1239.389	1151.076	1056.594	988.174	912.491	806.632	685.913
-9.0	7122.262	3245.824	1336.188	1232.366	1138.805	1042.325	978.281	904.446	798.386	679.578
-11.0	4726.779	1423.083	1323.617	1216.377	1119.499	1028.747	966.875	895.043	788.503	671.819
-13.0	2026.480	1398.515	1299.294	1191.153	1092.835	1013.678	954.066	884.362	777.060	662.688
-15.0	1443.385	1360.393	1263.609	1156.746	1058.710	997.271	939.969	872.482	764.140	652.240
-17.0	1388.225	1309.949	1217.252	1113.454	1024.763	979.670	924.693	855.262	749.823	640.532
-19.5	1302.848	1231.596	1145.612	1047.571	998.521	956.195	904.102	831.588	730.090	623.606
-22.5	1180.525	1118.475	1041.946	995.836	965.353	926.169	877.453	800.609	703.928	600.195
-25.5	1040.904	1001.017	983.338	958.682	930.707	894.449	844.129	767.151	675.307	573.959
-29.0	963.031	952.236	936.389	914.179	888.814	857.263	797.081	725.400	639.143	540.021
-33.0	905.719	896.110	882.003	862.178	835.012	793.590	740.589	674.633	590.311	497.201
-37.5	841.178	829.395	811.991	787.532	759.366	722.124	674.247	611.363	530.108	444.396
-42.5	747.277	736.470	720.811	698.939	673.821	640.606	591.478	530.698	457.982	381.323
-47.5	653.469	643.552	627.185	603.325	576.656	542.233	498.884	445.520	381.869	327.268
-55.0	478.750	469.019	455.304	436.643	415.679	388.458	360.580	326.658	285.342	240.630
-65.0	270.225	264.956	257.522	247.385	235.956	221.047	202.021	180.550	159.470	136.448
-75.0	111.805	109.406	106.052	101.512	96.422	89.804	81.373	70.826	57.862	43.675
-85.0	24.166	23.742	23.178	22.455	21.683	20.725	19.564	18.180	16.563	14.878
-90.0	1.044	1.021	0.991	0.956	0.921	0.879	0.832	0.779	0.719	0.659

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	0.570	0.450	0.330	0.211	0.151
85.0	12.259	8.689	5.147	1.756	0.154
75.0	35.312	24.912	14.630	4.801	0.160
65.0	98.685	43.321	23.613	7.696	0.166
55.0	172.576	96.826	31.787	10.348	0.171
47.5	239.581	133.445	37.973	12.126	0.175
42.5	283.705	155.814	51.271	13.194	0.177
37.5	324.517	176.315	63.378	14.157	0.179
33.0	358.051	197.255	73.171	14.929	0.180
29.0	385.610	215.801	80.941	15.536	0.181
25.5	412.387	230.298	86.983	16.003	0.182
22.5	432.960	241.375	91.577	16.355	0.183
19.5	451.221	251.159	95.616	16.662	0.184
17.0	464.596	258.295	98.549	16.881	0.184
15.0	474.051	263.322	100.605	17.034	0.185
13.0	482.370	267.731	102.402	17.165	0.185
11.0	489.530	271.515	103.935	17.275	0.185
9.0	495.511	274.665	105.203	17.364	0.185

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	500.296	277.175	106.203	17.431	0.185
5.0	503.871	279.039	106.934	17.478	0.186
3.0	506.224	280.253	107.394	17.503	0.186
1.0	507.349	280.815	107.583	17.507	0.186
0.0	507.450	280.850	107.575	17.501	0.186
-1.0	507.349	280.815	107.583	17.507	0.186
-3.0	506.224	280.253	107.394	17.503	0.186
-5.0	503.871	279.039	106.934	17.478	0.186
-7.0	500.296	277.175	106.203	17.431	0.185
-9.0	495.511	274.665	105.203	17.364	0.185
-11.0	489.530	271.515	103.935	17.275	0.185
-13.0	482.370	267.731	102.402	17.165	0.185
-15.0	474.051	263.322	100.605	17.034	0.185
-17.0	464.596	258.295	98.549	16.881	0.184
-19.5	451.221	251.159	95.616	16.662	0.184
-22.5	432.960	241.375	91.577	16.355	0.183
-25.5	412.387	230.298	86.983	16.003	0.182
-29.0	385.610	215.801	80.941	15.536	0.181
-33.0	358.051	197.255	73.171	14.929	0.180
-37.5	324.517	176.315	63.378	14.157	0.179
-42.5	283.705	155.814	51.271	13.194	0.177
-47.5	239.581	133.445	37.973	12.126	0.175
-55.0	172.576	96.826	31.787	10.348	0.171
-65.0	98.685	43.321	23.613	7.696	0.166
-75.0	35.312	24.912	14.630	4.801	0.160
-85.0	12.259	8.689	5.147	1.756	0.154
-90.0	0.570	0.450	0.330	0.211	0.151

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5234.18

Total Field Lumens (one side of beam only) = 3575.82

* 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	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
75	0.23	0.45	0.44	0.44	0.43	0.43	0.42	0.41	0.39	0.47
65	0.63	1.25	1.24	1.23	1.21	1.19	1.17	1.14	1.11	1.33
55	1.22	2.44	2.43	2.41	2.37	2.34	2.29	2.23	2.17	2.62
47.5	1.37	2.74	2.73	2.70	2.67	2.63	2.58	2.53	2.46	2.98
42.5	1.12	2.23	2.22	2.21	2.19	2.16	2.12	2.08	2.04	2.47
37.5	1.25	2.50	2.49	2.48	2.46	2.44	2.40	2.36	2.31	2.80
33	1.23	2.45	2.45	2.44	2.43	2.40	2.37	2.33	2.29	2.78
29	1.20	2.40	2.38	2.35	2.32	2.29	2.26	2.22	2.18	2.65
25.5	1.26	2.50	2.46	2.40	2.32	2.25	2.18	2.10	2.03	2.45
22.5	1.31	2.58	2.52	2.45	2.35	2.25	2.14	2.02	1.91	2.25
19.5	1.99	3.72	3.17	2.79	2.67	2.54	2.40	2.26	2.12	2.46
17	4.23	8.02	7.00	5.78	4.45	2.98	2.18	2.05	1.92	2.22
15	6.39 *	12.38 *	11.37	9.76	7.61	5.11	2.95	1.88	1.61	1.86
13	9.06 *	17.67 *	16.52 *	14.69 *	12.27 *	9.36	6.07	3.19	1.82	1.92
11	11.73 *	22.94 *	21.62 *	19.52 *	16.77 *	13.52 *	9.88	5.98	2.80	1.97
9	15.92 *	30.47 *	27.43 *	24.18 *	21.05 *	17.40 *	13.39 *	9.14	4.84	2.65
7	23.21 *	43.94 *	38.18 *	30.95 *	25.17 *	20.91 *	16.50 *	11.90 *	7.20	3.97
5	32.07 *	60.89 *	53.02 *	41.68 *	30.81 *	23.91 *	19.11 *	14.18 *	9.21	5.14
3	40.88 *	77.10 *	66.66 *	52.86 *	37.90 *	27.05 *	21.10 *	15.90 *	10.70	6.21
1	49.45 *	91.25 *	76.96 *	60.60 *	43.54 *	30.00 *	22.35 *	16.96 *	11.61 *	7.10
0	27.60 *	49.42 *	40.78 *	31.90 *	22.98 *	15.66 *	11.42 *	8.68 *	5.97 *	3.73
-1	27.60 *	49.42 *	40.78 *	31.90 *	22.98 *	15.66 *	11.42 *	8.68 *	5.97 *	3.73
-3	49.45 *	91.25 *	76.96 *	60.60 *	43.54 *	30.00 *	22.35 *	16.96 *	11.61 *	7.10
	40.88 *	77.10 *	66.66 *	52.86 *	37.90 *	27.05 *	21.10 *	15.90 *	10.70	6.21

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-5	32.07 *	60.89 *	53.02 *	41.68 *	30.81 *	23.91 *	19.11 *	14.18 *	9.21	5.14
-7	23.21 *	43.94 *	38.18 *	30.95 *	25.17 *	20.91 *	16.50 *	11.90 *	7.20	3.97
-9	15.92 *	30.47 *	27.43 *	24.18 *	21.05 *	17.40 *	13.39 *	9.14	4.84	2.65
-11	11.73 *	22.94 *	21.62 *	19.52 *	16.77 *	13.52 *	9.88	5.98	2.80	1.97
-13	9.06 *	17.67 *	16.52 *	14.69 *	12.27 *	9.36	6.07	3.19	1.82	1.92
-15	6.39 *	12.38 *	11.37	9.76	7.61	5.11	2.95	1.88	1.61	1.86
-17	4.23	8.02	7.00	5.78	4.45	2.98	2.18	2.05	1.92	2.22
-19.5	1.99	3.72	3.17	2.79	2.67	2.54	2.40	2.26	2.12	2.46
-22.5	1.31	2.58	2.52	2.45	2.35	2.25	2.14	2.02	1.91	2.25
-25.5	1.26	2.50	2.46	2.40	2.32	2.25	2.18	2.10	2.03	2.45
-29	1.20	2.40	2.38	2.35	2.32	2.29	2.26	2.22	2.18	2.65
-33	1.23	2.45	2.45	2.44	2.43	2.40	2.37	2.33	2.29	2.78
-37.5	1.25	2.50	2.49	2.48	2.46	2.44	2.40	2.36	2.31	2.80
-42.5	1.12	2.23	2.22	2.21	2.19	2.16	2.12	2.08	2.04	2.47
-47.5	1.37	2.74	2.73	2.70	2.67	2.63	2.58	2.53	2.46	2.98
-55	1.22	2.44	2.43	2.41	2.37	2.34	2.29	2.23	2.17	2.62
-65	0.63	1.25	1.24	1.23	1.21	1.19	1.17	1.14	1.11	1.33
-75	0.23	0.45	0.44	0.44	0.43	0.43	0.42	0.41	0.39	0.47
-85	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
-90										
Total	466.69	878.79	768.26	631.67	492.05	377.67	294.65	223.15	157.43	124.18

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	0.05	0.05	0.05	0.05	0.06	0.05	0.04	0.05	0.04	0.02
85	0.54	0.51	0.54	0.55	0.53	0.48	0.36	0.38	0.31	0.14
75	1.52	1.42	1.52	1.55	1.50	1.37	1.07	1.12	0.77	0.28
65	2.98	2.79	2.99	3.06	2.99	2.78	2.21	2.32	1.56	0.51
55	3.39	3.18	3.42	3.50	3.42	3.15	2.49	2.63	1.83	0.59
47.5	2.83	2.66	2.88	2.97	2.89	2.65	2.08	2.20	1.55	0.49

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

42.5										
	3.22	3.05	3.31	3.43	3.37	3.11	2.44	2.56	1.79	0.58
37.5										
	3.21	3.05	3.32	3.44	3.40	3.16	2.50	2.61	1.81	0.60
33										
	3.07	2.92	3.20	3.33	3.29	3.07	2.44	2.54	1.76	0.59
29										
	2.83	2.70	2.96	3.10	3.07	2.86	2.29	2.39	1.66	0.56
25.5										
	2.55	2.41	2.64	2.77	2.76	2.58	2.06	2.16	1.50	0.51
22.5										
	2.71	2.51	2.73	2.87	2.87	2.68	2.15	2.26	1.57	0.53
19.5										
	2.41	2.18	2.35	2.46	2.46	2.31	1.85	1.95	1.36	0.46
17										
	2.03	1.82	1.92	2.01	2.01	1.89	1.51	1.59	1.11	0.37
15										
	2.09	1.88	1.97	2.04	2.04	1.92	1.54	1.62	1.13	0.38
13										
	2.15	1.93	2.02	2.07	2.07	1.95	1.56	1.65	1.15	0.39
11										
	2.18	1.96	2.05	2.10	2.10	1.97	1.58	1.67	1.16	0.39
9										
	2.19	1.99	2.08	2.12	2.12	2.00	1.60	1.69	1.18	0.40
7										
	2.19	2.00	2.10	2.15	2.14	2.01	1.61	1.70	1.19	0.40
5										
	2.44	2.00	2.11	2.16	2.15	2.03	1.62	1.71	1.19	0.40
3										
	2.86	1.98	2.12	2.18	2.16	2.04	1.63	1.72	1.20	0.40
1										
	1.52	0.99	1.06	1.09	1.08	1.02	0.82	0.86	0.60	0.20
0										
	1.52	0.99	1.06	1.09	1.08	1.02	0.82	0.86	0.60	0.20
-1										
	2.86	1.98	2.12	2.18	2.16	2.04	1.63	1.72	1.20	0.40
-3										
	2.44	2.00	2.11	2.16	2.15	2.03	1.62	1.71	1.19	0.40
-5										
	2.19	2.00	2.10	2.15	2.14	2.01	1.61	1.70	1.19	0.40
-7										
	2.19	1.99	2.08	2.12	2.12	2.00	1.60	1.69	1.18	0.40
-9										
	2.18	1.96	2.05	2.10	2.10	1.97	1.58	1.67	1.16	0.39
-11										
	2.15	1.93	2.02	2.07	2.07	1.95	1.56	1.65	1.15	0.39
-13										
	2.09	1.88	1.97	2.04	2.04	1.92	1.54	1.62	1.13	0.38
-15										
	2.03	1.82	1.92	2.01	2.01	1.89	1.51	1.59	1.11	0.37
-17										
	2.41	2.18	2.35	2.46	2.46	2.31	1.85	1.95	1.36	0.46
-19.5										
	2.71	2.51	2.73	2.87	2.87	2.68	2.15	2.26	1.57	0.53
-22.5										
	2.55	2.41	2.64	2.77	2.76	2.58	2.06	2.16	1.50	0.51

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

LUMENS TABULATION - (Cont.)

-25.5	2.83	2.70	2.96	3.10	3.07	2.86	2.29	2.39	1.66	0.56
-29	3.07	2.92	3.20	3.33	3.29	3.07	2.44	2.54	1.76	0.59
-33	3.21	3.05	3.32	3.44	3.40	3.16	2.50	2.61	1.81	0.60
-37.5	3.22	3.05	3.31	3.43	3.37	3.11	2.44	2.56	1.79	0.58
-42.5	2.83	2.66	2.88	2.97	2.89	2.65	2.08	2.20	1.55	0.49
-47.5	3.39	3.18	3.42	3.50	3.42	3.15	2.49	2.63	1.83	0.59
-55	2.98	2.79	2.99	3.06	2.99	2.78	2.21	2.32	1.56	0.51
-65	1.52	1.42	1.52	1.55	1.50	1.37	1.07	1.12	0.77	0.28
-75	0.54	0.51	0.54	0.55	0.53	0.48	0.36	0.38	0.31	0.14
-85	0.05	0.05	0.05	0.05	0.06	0.05	0.04	0.05	0.04	0.02
-90										
Total	101.91	91.92	98.69	102.01	100.94	94.12	74.91	78.77	54.82	18.38

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00		0.86
85	0.03	0.00		8.47
75	0.07	0.00		23.68
65	0.10	0.00		46.81
55	0.09	0.00		53.10
47.5	0.08	0.00		44.11
42.5	0.09	0.00		50.45
37.5	0.10	0.00		50.36
33	0.10	0.00		48.55
29	0.09	0.00		46.47
25.5	0.08	0.00		43.81
22.5	0.09	0.00		49.08
19.5	0.08	0.00		60.66
17	0.06	0.00		77.25
15	0.06	0.00		109.28

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

LUMENS TABULATION - (Cont.)

13	0.06	0.00	143.72
11	0.06	0.00	183.69
9	0.07	0.00	239.35
7	0.07	0.00	307.59
5	0.07	0.00	374.25
3	0.07	0.00	428.17
1	0.03	0.00	227.40
0	0.03	0.00	227.40
-1	0.07	0.00	428.17
-3	0.07	0.00	374.25
-5	0.07	0.00	307.59
-7	0.07	0.00	239.35
-9	0.06	0.00	183.69
-11	0.06	0.00	143.72
-13	0.06	0.00	109.28
-15	0.06	0.00	77.25
-17	0.08	0.00	60.66
-19.5	0.09	0.00	49.08
-22.5	0.08	0.00	43.81
-25.5	0.09	0.00	46.47
-29	0.10	0.00	48.55
-33	0.10	0.00	50.36
-37.5	0.09	0.00	50.45
-42.5	0.08	0.00	44.11
-47.5	0.09	0.00	53.10
-55	0.10	0.00	46.81
-65	0.07	0.00	23.68
-75	0.03	0.00	8.47

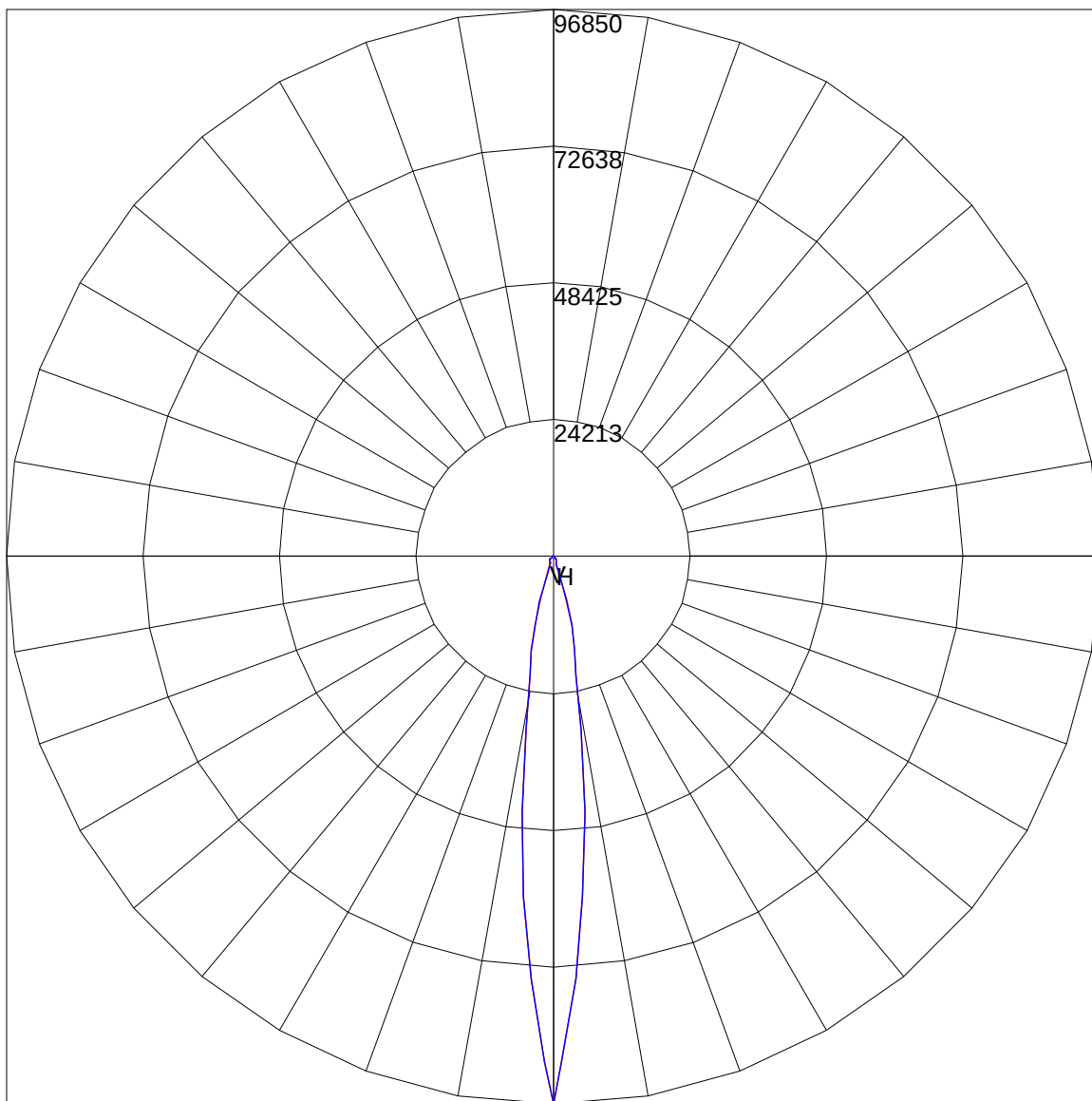
IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-SPOT.IES

LUMENS TABULATION - (Cont.)

-85	0.00	0.00	0.86
-90			
Total	3.09	0.07	5234.18

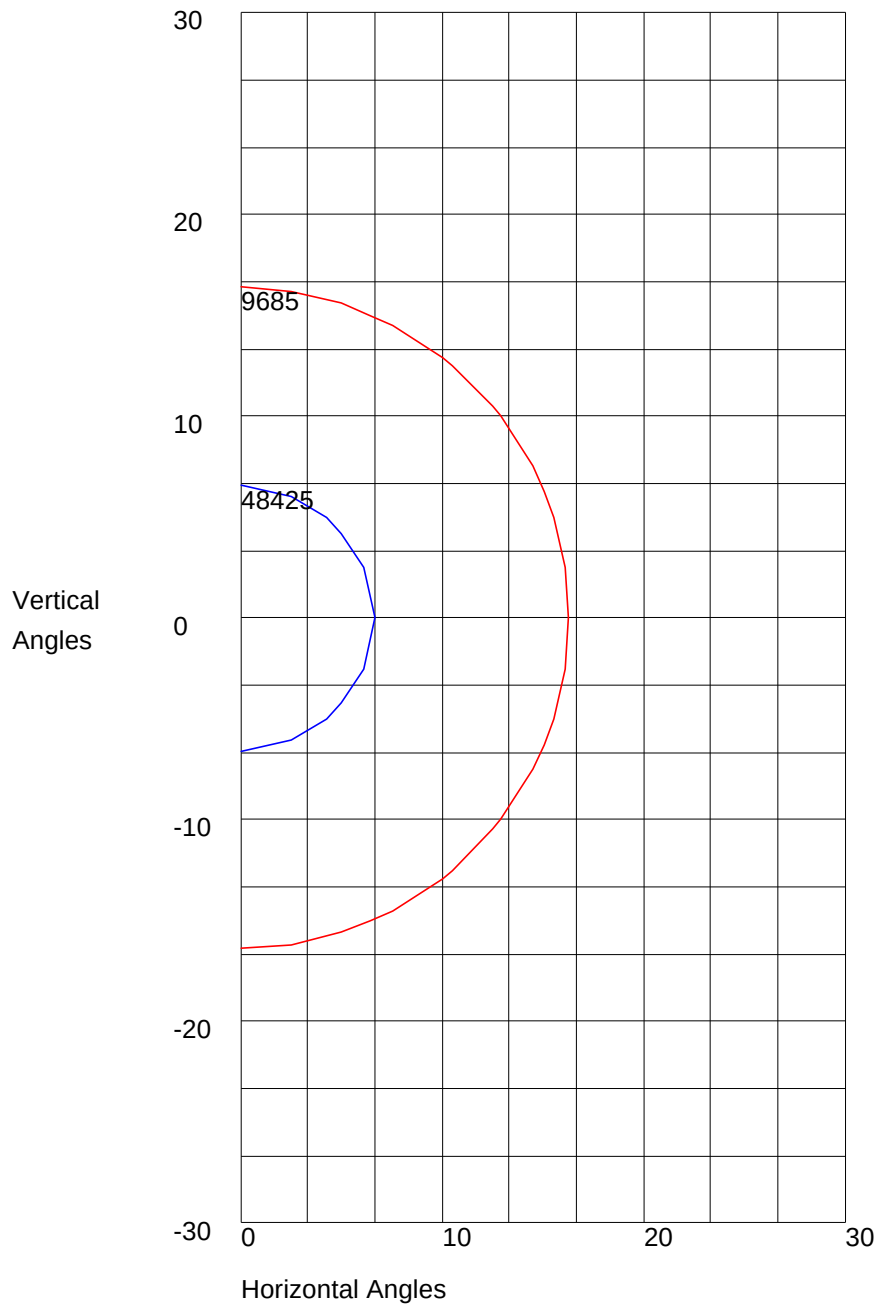
IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-SPOT.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 96850 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 96850 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 48425
10% Maximum Candela = 9685



IES FLOOD REPORT

PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[ISSUEDATE] 2011[MANUFAC]

LARSON ELECTRONICS LLC[LUMCAT]

LEDP5W-30 - FLOOD[LUMINAIRE]

LE

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



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

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

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									
	<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	0.103	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

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.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	0.583	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	*11055.069	*11448.118 *
13.0	3632.577	*5348.072	*7020.212	*8368.650	*9354.684	*10034.727	*10674.234	*11262.240	*11785.123	*12226.839 *
11.0	4112.967	*5885.905	*7626.523	*9042.578	*9830.480	*10557.921	*11250.281	*11896.038	*12479.706	*12981.329 *
9.0	4515.674	*6338.769	*8140.493	*9445.504	*10239.872	*11014.195	*11761.045	*12469.463	*13123.232	*13698.859 *
7.0	4835.411	*6699.306	*8551.705	*9740.319	*10570.604	*11388.200	*12187.661	*12960.257	*13663.669	*13996.971 *
5.0	5067.690	*6961.072	*8850.662	*9951.323	*10810.114	*11663.195	*12507.779	*13339.020	*13814.112	*14191.218 *
3.0	5209.116	*7119.079	*8973.672	*10070.258	*10947.003	*11823.055	*12698.030	*13457.139	*13902.988	*14330.581 *
1.0	5257.665	*7170.280	*8990.006	*10091.293	*10972.943	*11855.422	*12739.180	*13427.878	*13898.432	*14366.143 *
0.0	5246.900	*7155.500	*8965.700	*10064.200	*10943.000	*11821.800	*12700.600	*13377.000	*13851.000	*14325.000 *
-1.0	5257.665	*7170.280	*8990.006	*10091.293	*10972.943	*11855.422	*12739.180	*13427.878	*13898.432	*14366.143 *
-3.0	5209.116	*7119.079	*8973.672	*10070.258	*10947.003	*11823.055	*12698.030	*13457.139	*13902.988	*14330.581 *
-5.0	5067.690	*6961.072	*8850.662	*9951.323	*10810.114	*11663.195	*12507.779	*13339.020	*13814.112	*14191.218 *
-7.0	4835.411	*6699.306	*8551.705	*9740.319	*10570.604	*11388.200	*12187.661	*12960.257	*13663.669	*13996.971 *
-9.0	4515.674	*6338.769	*8140.493	*9445.504	*10239.872	*11014.195	*11761.045	*12469.463	*13123.232	*13698.859 *
-11.0	4112.967	*5885.905	*7626.523	*9042.578	*9830.480	*10557.921	*11250.281	*11896.038	*12479.706	*12981.329 *
-13.0	3632.577	*5348.072	*7020.212	*8368.650	*9354.684	*10034.727	*10674.234	*11262.240	*11785.123	*12226.838 *
-15.0	3080.257	*4733.036	*6332.097	*7610.307	*8586.911	*9457.667	*10047.793	*10584.087	*11055.069	*11448.118 *
-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									
	<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	0.744	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
PHOTOMETRIC FILENAME : LEDP5W-30-FLOOD.IES

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	*1101.763	*1155.400	*1101.763	10922.773	*10652.798	*10299.705	*9872.925	*9346.734	*8554.302 *
15.0	11750.542	*1951.281	*2011.000	*1951.282	*11750.543	*11448.117	*11055.069	*10584.087	*10047.793	*9457.667 *
13.0	12570.109	*2798.923	*2866.600	*2798.923	*12570.109	*2226.839	*1785.123	*1262.240	*10674.233	*10034.727 *
11.0	13377.292	*3643.673	*3722.200	*3643.672	*13377.292	*2981.329	*2479.706	*1896.038	*1250.281	*10557.921 *
9.0	14023.217	*4213.833	*4286.000	*4213.833	*14023.217	*3698.859	*3123.232	*2469.463	*1761.044	*11014.194 *
7.0	14275.859	*4483.706	*4558.000	*4483.706	*14275.859	*3996.971	*3663.669	*2960.257	*2187.661	*1388.201 *
5.0	14514.349	*4751.766	*4830.000	*4751.766	*14514.349	*4191.218	*3814.112	*3339.020	*2507.779	*1663.195 *
3.0	14718.741	*5014.497	*5102.000	*5014.497	*14718.741	*4330.580	*3902.988	*3457.140	*2698.030	*1823.055 *
1.0	14825.934	*5246.249	*5374.000	*5246.249	*14825.934	*4366.143	*3898.432	*3427.878	*2739.180	*1855.422 *
0.0	14799.000	*5273.000	*5510.000	*5273.000	*14799.000	*4325.000	*3851.000	*3377.000	*2700.600	*1821.800 *
-1.0	14825.934	*5246.249	*5374.000	*5246.249	*14825.934	*4366.143	*3898.432	*3427.878	*2739.180	*1855.422 *
-3.0	14718.741	*5014.497	*5102.000	*5014.497	*14718.741	*4330.581	*3902.988	*3457.140	*2698.030	*1823.055 *
-5.0	14514.349	*4751.766	*4830.000	*4751.766	*14514.349	*4191.218	*3814.112	*3339.020	*2507.779	*1663.195 *
-7.0	14275.859	*4483.706	*4558.000	*4483.706	*14275.859	*3996.971	*3663.669	*2960.257	*2187.661	*1388.200 *
-9.0	14023.216	*4213.833	*4286.000	*4213.833	*14023.216	*3698.859	*3123.232	*2469.463	*1761.045	*11014.195 *
-11.0	13377.292	*3643.673	*3722.200	*3643.673	*13377.292	*2981.329	*2479.706	*1896.038	*1250.281	*10557.921 *
-13.0	12570.109	*2798.923	*2866.600	*2798.923	*12570.109	*2226.838	*1785.123	*1262.240	*10674.234	*10034.727 *
-15.0	11750.542	*1951.282	*2011.000	*1951.282	*11750.542	*11448.118	*11055.069	*10584.087	*10047.793	*9457.667 *
-17.0	10922.773	*1101.763	*1155.400	*1101.763	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**

	<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	0.659	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

IES FLOOD REPORT
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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	10239.8729	*445.504	*8140.493	*6338.769	*4515.674	*2488.684	*1852.340	*1148.510	773.727	594.549
7.0	10570.6059	*740.319	*8551.705	*6699.306	*4835.411	*2651.015	*1902.085	*1199.513	783.728	603.633
5.0	10810.1149	*951.323	*8850.662	*6961.072	*5067.689	*2855.595	*1933.488	*1235.381	790.936	610.383
3.0	10947.0031	*0070.2588	*973.672	*7119.079	*5209.116	*2981.488	*1946.929	*1256.386	795.347	614.795
1.0	10972.9431	*0091.2938	*990.005	*7170.280	*5257.665	*3027.383	*1943.007	*1262.934	796.973	616.877
0.0	10943.0001	*0064.2008	*965.700	*7155.500	*5246.900	*3020.200	*1934.780	*1260.950	796.750	617.050
-1.0	10972.9431	*0091.2938	*990.005	*7170.280	*5257.665	*3027.383	*1943.007	*1262.934	796.973	616.877
-3.0	10947.0031	*0070.2588	*973.672	*7119.079	*5209.116	*2981.488	*1946.929	*1256.386	795.347	614.795
-5.0	10810.1149	*951.323	*8850.662	*6961.072	*5067.689	*2855.595	*1933.488	*1235.381	790.936	610.383
-7.0	10570.6059	*740.319	*8551.705	*6699.306	*4835.411	*2651.015	*1902.085	*1199.513	783.728	603.633
-9.0	10239.8729	*445.504	*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

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
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

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

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

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

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

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

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			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
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

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

LUMENS TABULATION - (Cont.)

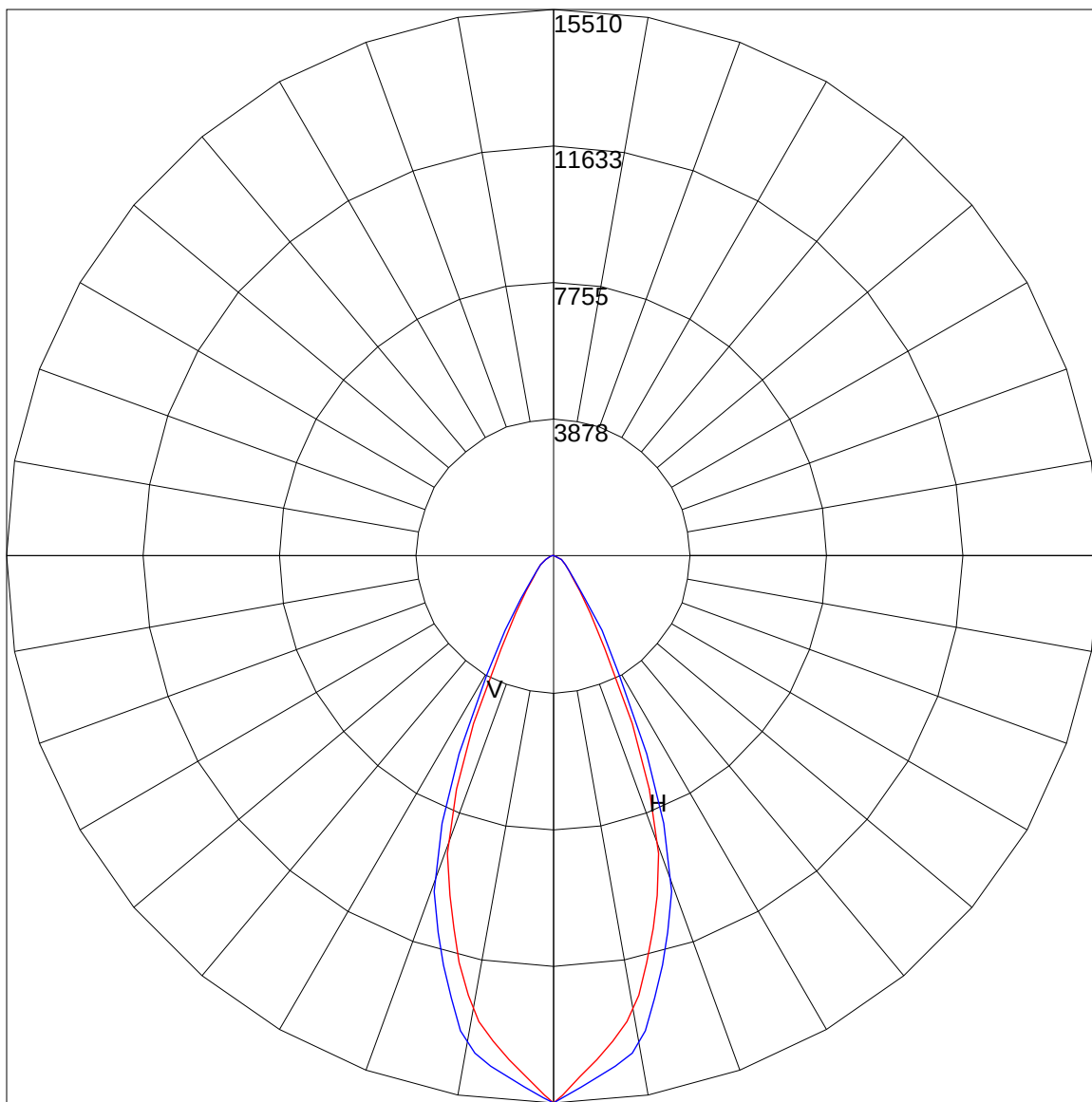
13			
	0.06	0.00	167.75
11			
	0.06	0.00	177.47
9			
	0.06	0.00	185.07
7			
	0.06	0.00	190.62
5			
	0.06	0.00	194.36
3			
	0.06	0.00	196.20
1			
	0.03	0.00	98.22
0			
	0.03	0.00	98.22
-1			
	0.06	0.00	196.20
-3			
	0.06	0.00	194.36
-5			
	0.06	0.00	190.62
-7			
	0.06	0.00	185.07
-9			
	0.06	0.00	177.47
-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

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

LUMENS TABULATION - (Cont.)

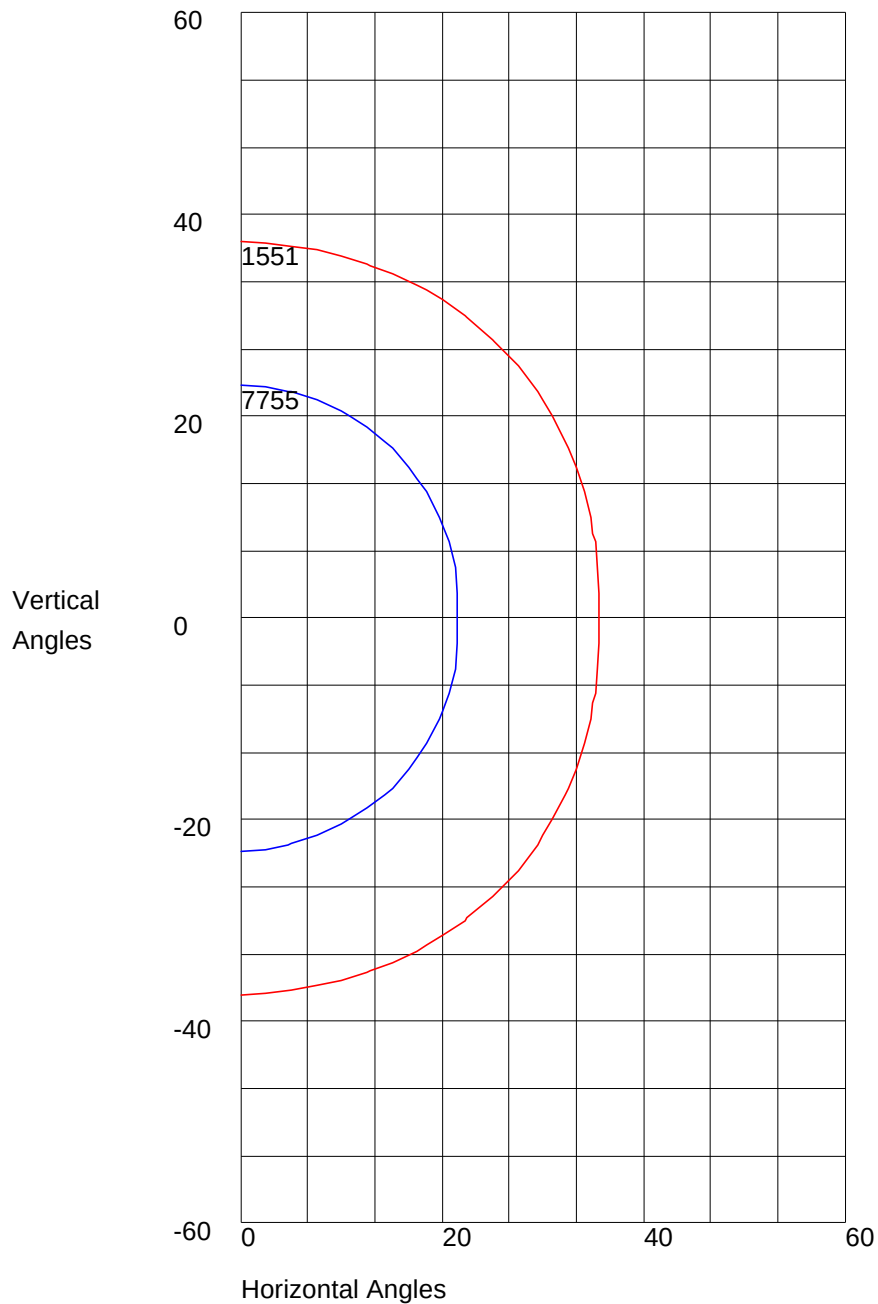
-85	0.00	0.00	0.73
-90			
Total	2.91	0.07	4872.16

AXIAL CANDELA DISPLAY



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

ISOCANDELA CURVES



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