



**IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES**

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1265260
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 7/13/2016
 [MANUFAC] Eye Lighting International of North America
 [LUMCAT] FL2-20L-50-8-N5-U-Y-GM
 [LUMINAIRE] Formed aluminum housing / heatsink, clear plastic lens, sp
 [MORE] eculator plastic reflector
 [LAMP] Five white LEDs
 [BALLAST] One Meanwell HLG-185H-C1050A
 [OTHER] 24.5 C, 120 V, 1.612 A, 192.2 W, 0.9935 PF, 60 Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	28353.301
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	29.1
Vertical Beam Angle (50%)	30.7
Horizontal Field Angle (10%)	74.2
Vertical Field Angle (10%)	74.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4420
Beam Efficiency	N.A.
Field Lumens	12602
Field Efficiency	N.A.
Spill Lumens	4196
Luminaire Lumens	16798
Total Efficiency	N.A.
Total Luminaire Watts	192.2
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	42.022	90	50.007
85	134.7	85	161.9
75	356.2	75	422.4
65	685.3	65	704.7
55	1169.2	55	1203.1
47.5	1675.5	47.5	1719.65
42.5	2125.7	42.5	2224.2
37.5	2744.6	37.5	2872.6
33	4527	33	5142.5
29	6831.4	29	7594.7
25.5	8885.65	25.5	9184.1
22.5	10774.8	22.5	10710.4
19.5	12306.75	19.5	12386.95
17	13400.4	17	13500.1
15	14461	15	14513.8
13	15807.5	13	15832.4
11	17840.4	11	17722.301
9	21082	9	20972.1
7	25005.4	7	26018.4
5	27597.801	5	28353.301
3	27959	3	27944.6
1	27626.9	1	27545.801
0	27602.4	0	27602.4
-1	27626.9	-1	27649.5
-3	27959	-3	28003.9
-5	27597.801	-5	28190
-7	25005.4	-7	24834.1
-9	21082	-9	19971.301
-11	17840.4	-11	17106
-13	15807.5	-13	15408.9
-15	14461	-15	14179.6
-17	13400.4	-17	13128.2
-19.5	12306.75	-19.5	11983.95
-22.5	10774.8	-22.5	9860.9
-25.5	8885.65	-25.5	8008.05
-29	6831.4	-29	6822.6
-33	4527	-33	4330.3
-37.5	2744.6	-37.5	2706.85
-42.5	2125.7	-42.5	2192.55
-47.5	1675.5	-47.5	1660.1
-55	1169.2	-55	1176.4
-65	685.3	-65	695.7
-75	356.2	-75	397.7
-85	134.7	-85	143.6
-90	42.022	-90	45.853

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CANDELA TABULATION

Maximum Candela = 28353.301
 Beam Edge = 14176.6505 Cd (50% of Max.)
 Field Edge = 2835.3301 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	41.904	44.010	44.532	46.256	45.879	47.248	47.550	47.052	46.751	46.837
85.0	41.915	49.092	61.710	79.295	95.773	109.737	115.657	120.673	125.089	130.195
75.0	41.936	60.321	115.472	176.343	227.914	266.941	287.801	306.759	323.913	340.071
65.0	41.955	74.143	171.572	272.261	353.167	422.433	466.111	499.466	528.583	554.530
55.0	41.973	91.956	224.803	353.795	510.490	622.081	700.655	790.261	871.226	932.992
47.5	41.986	102.800	258.856	424.133	617.091	790.057	923.259	1040.065	1144.989	1241.559
42.5	41.993	109.060	278.046	464.602	690.845	919.833	1064.336	1208.531	1354.515	1486.321
37.5	41.999	115.429	295.367	496.977	775.089	1033.617	1206.810	1397.660	1590.112	1774.575
33.0	42.005	119.325	308.318	525.513	855.123	1137.265	1348.782	1580.753	1820.880	2076.270
29.0	42.009	122.974	318.346	550.767	920.326	1231.420	1477.320	1762.146	2067.940	2358.411
25.5	42.012	125.783	327.077	571.487	971.495	1314.357	1592.024	1935.357	2279.497	2609.167
22.5	42.014	127.897	333.771	588.405	1011.400	1383.652	1696.287	2092.333	2461.115	3020.308 *
19.5	42.016	129.734	339.720	607.309	1049.289	1450.082	1796.831	2228.624	2660.070	3670.104 *
17.0	42.018	131.050	344.233	622.706	1077.800	1501.233	1885.377	2329.966	2890.371	*4338.181 *
15.0	42.019	131.961	347.381	634.542	1098.638	1538.502	1946.652	2403.285	3118.585	*4898.719 *
13.0	42.020	132.745	350.070	645.786	1116.671	1571.985	2004.076	2472.736	3377.463	*5442.054 *
11.0	42.021	135.350	352.297	655.664	1130.566	1602.803	2037.366	2536.641	3647.359	*5922.697 *
9.0	42.021	135.233	354.060	664.463	1143.232	1629.683	2070.763	2597.697	3931.399	*6342.216 *
7.0	42.022	135.115	355.356	671.782	1153.419	1652.659	2094.977	2653.815	4132.974	*6608.173 *
5.0	42.022	134.997	357.645	677.572	1161.299	1668.758	2112.684	2692.206	4325.625	*6766.771 *
3.0	42.022	134.878	357.068	683.566	1169.578	1675.274	2123.286	2724.357	4458.978	*6844.722 *
1.0	42.022	134.760	356.489	684.722	1169.326	1676.697	2126.758	2741.999	4527.216	*6862.093 *
0.0	42.022	134.700	356.200	685.300	1169.200	1675.500	2125.700	2744.600	4527.000	*6831.400 *
-1.0	42.022	134.700	355.991	686.083	1169.186	1673.227	2123.160	2738.915	4511.945	*6840.345 *
-3.0	42.022	134.836	355.573	687.649	1169.158	1664.935	2112.313	2714.285	4416.331	*6782.609 *
-5.0	42.022	134.927	355.157	684.321	1160.612	1651.762	2093.451	2673.905	4283.198	*6711.251 *
-7.0	42.021	135.018	351.941	681.150	1152.473	1635.437	2066.180	2628.488	4094.075	*6556.405 *
-9.0	42.021	135.108	349.732	676.371	1141.395	1615.506	2033.087	2568.432	3905.361	*6320.256 *
-11.0	42.020	135.197	347.101	669.842	1127.627	1591.310	1996.304	2504.710	3655.040	*6019.695 *
-13.0	42.019	132.613	344.061	658.999	1112.452	1562.489	1961.086	2442.130	3411.430	*5610.862 *
-15.0	42.018	131.829	340.624	646.911	1092.690	1529.970	1906.831	2376.540	3163.559	*5133.112 *
-17.0	42.017	130.925	336.801	633.296	1070.156	1493.562	1852.737	2304.673	2939.521	*4561.631 *
-19.5	42.015	129.629	331.408	614.549	1038.942	1440.648	1778.223	2202.689	2693.778	3833.340 *
-22.5	42.013	127.838	323.922	590.836	997.100	1372.318	1690.687	2069.742	2475.797	3133.356 *
-25.5	42.010	125.796	315.902	564.850	951.739	1302.356	1588.635	1933.176	2288.132	2660.242
-29.0	42.007	123.105	305.790	534.457	894.771	1217.106	1471.980	1776.528	2078.719	2378.089
-33.0	42.002	119.638	292.679	498.599	827.462	1114.832	1337.909	1591.544	1844.218	2080.765
-37.5	41.997	115.978	277.067	458.109	750.980	998.015	1191.340	1401.883	1602.641	1788.584
-42.5	41.990	109.519	258.618	418.777	665.037	875.824	1037.305	1203.537	1361.562	1498.434
-47.5	41.982	103.142	241.839	380.485	582.917	760.068	891.175	1027.867	1150.090	1254.520
-55.0	41.970	92.275	215.415	327.553	477.863	601.478	692.774	792.845	880.099	945.171
-65.0	41.952	75.453	168.118	260.047	344.255	414.359	452.726	492.059	536.638	577.254
-75.0	41.932	62.003	115.695	175.020	229.424	265.524	289.758	316.200	337.533	355.774
-85.0	41.911	50.991	63.631	83.957	104.385	118.835	125.580	132.161	137.223	143.150
-90.0	41.900	46.010	45.734	49.456	51.879	52.354	52.417	52.125	52.107	52.487

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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	46.907	46.422	46.078	46.826	47.425	47.504	47.584	47.802	48.159	48.516
85.0	133.438	136.669	139.816	142.380	144.326	145.524	148.654	148.665	148.384	148.100
75.0	352.927	362.939	372.041	379.188	384.199	388.517	392.262	395.327	397.562	401.004
65.0	577.481	597.563	618.150	633.071	643.971	653.544	661.468	667.866	672.273	675.426
55.0	983.529	1022.489	1059.307	1087.231	1106.269	1123.974	1135.942	1145.460	1152.676	1157.558
47.5	1328.295	1400.598	1463.482	1510.271	1543.669	1575.318	1603.428	1624.517	1641.224	1652.998
42.5	1610.019	1718.102	1809.993	1885.018	1946.368	2010.045	2052.633	2091.851	2122.605	2140.801
37.5	1941.919	2085.061	2226.444	2336.263	2415.407	2488.995	2557.122	2620.657	2682.167	2721.459
33.0	2283.353	2465.228	2679.729	2906.620	*3128.691	*3395.802	*3667.471	*3972.788	*4228.632	*4488.453 *
29.0	2621.968	3025.209	*3650.805	*4354.615	*4913.484	*5360.678	*5819.400	*6307.168	*6777.383	*7131.137 *
25.5	3200.408	*4107.458	*5166.299	*5908.845	*6427.580	*6927.961	*7472.643	*7984.936	*8410.180	*8685.020 *
22.5	4152.975	*5500.043	*6720.537	*7470.797	*7978.276	*8581.936	*9180.727	*9659.946	*9959.116	*10172.455 *
19.5	5310.398	*6861.386	*8064.126	*8880.385	*9550.778	*10244.927	*10857.114	*11313.541	*11591.234	*11793.608 *
17.0	6312.600	*7796.833	*8911.341	*9830.047	*10607.841	*11347.788	*11904.049	*12338.845	*12668.961	*12882.390 *
15.0	6997.023	*8382.737	*9487.338	*10497.863	*11433.117	*12087.686	*12612.664	*13049.945	*13437.697	*13721.255 *
13.0	7507.090	*8844.642	*10040.761	*11203.705	*12051.195	*12756.206	*13298.374	*13821.680	*14380.417	*14801.963 *
11.0	7882.874	*9159.118	*10597.770	*11829.459	*12640.265	*13288.136	*14042.729	*14751.419	*15485.063	*16235.154 *
9.0	8193.724	*9505.519	*11110.685	*12310.053	*13147.413	*13914.294	*14815.824	*15817.039	*16924.221	*18143.836 *
7.0	8405.224	*9901.340	*11551.198	*12710.383	*13531.863	*14528.191	*15674.738	*17095.585	*18878.446	*21036.510 *
5.0	8553.821	*10275.840	*11933.475	*13044.298	*13919.381	*15043.441	*16527.891	*18566.112	*21408.888	*24610.142 *
3.0	8721.048	*10564.679	*12157.627	*13219.683	*14255.429	*15497.894	*17288.179	*19966.458	*23547.142	*26587.532 *
1.0	8849.422	*10742.182	*12285.284	*13370.800	*14449.373	*15791.159	*17796.951	*20972.780	*24911.421	*27533.005 *
0.0	8885.650	*10774.800	*12306.750	*13400.400	*14461.000	*15807.500	*17840.400	*21082.000	*25005.400	*27597.801 *
-1.0	8957.194	*10830.943	*12328.921	*13437.384	*14502.514	*15861.538	*17903.206	*21178.512	*25162.837	*27668.275 *
-3.0	9006.876	*10838.951	*12308.447	*13387.226	*14389.335	*15642.030	*17484.547	*20385.694	*24060.051	*27009.313 *
-5.0	8921.205	*10728.176	*12164.887	*13185.991	*14105.227	*15195.752	*16735.541	*18954.333	*22162.453	*25526.951 *
-7.0	8736.617	*10477.564	*11923.065	*12893.601	*13685.122	*14624.882	*15839.998	*17456.684	*19560.622	*22258.942 *
-9.0	8375.445	*10110.167	*11584.924	*12535.877	*13258.606	*14070.860	*14980.125	*16116.599	*17475.427	*18908.837 *
-11.0	7954.308	*9535.189	*11140.161	*12163.489	*12831.316	*13482.507	*14222.526	*15017.637	*15920.660	*16779.367 *
-13.0	7454.325	*8989.981	*10630.396	*11683.528	*12338.614	*12898.702	*13501.611	*14119.284	*14727.145	*15249.387 *
-15.0	6897.912	*8371.634	*9966.614	*11094.641	*11819.381	*12371.414	*12868.086	*13346.488	*13769.851	*14161.499 *
-17.0	6339.900	*7747.856	*9208.308	*10331.085	*1081.197	*11678.253	*12200.828	*12588.586	*12899.066	*13171.646 *
-19.5	5506.801	*6857.180	*8111.270	*9160.978	*9952.892	*10669.422	*1187.246	*11571.268	*11873.197	*12095.535 *
-22.5	4310.357	*5514.877	*6561.911	*7376.338	*7984.320	*8584.688	*9114.345	*9536.876	*9850.608	*10072.029 *
-25.5	3276.389	*4127.528	*5011.684	*5700.575	*6205.890	*6661.085	*7046.032	*7434.987	*7821.746	*8089.590 *
-29.0	2652.116	3075.750	*3720.168	*4390.024	*4934.180	*5401.974	*5808.716	*6161.598	*6476.497	*6735.821 *
-33.0	2286.410	2479.703	2701.343	2928.804	*3143.362	*3408.001	*3699.082	*3996.637	*4225.714	*4445.307 *
-37.5	1949.671	2091.372	2226.785	2330.930	2414.412	2503.608	2577.828	2641.259	2700.392	2739.716
-42.5	1619.675	1728.100	1827.267	1911.816	1979.508	2046.765	2092.039	2141.281	2187.510	2221.467
-47.5	1342.701	1414.933	1478.051	1529.903	1567.573	1600.834	1629.708	1655.534	1676.702	1691.912
-55.0	998.067	1038.104	1076.593	1106.202	1126.470	1144.567	1161.194	1177.490	1190.566	1200.637
-65.0	609.051	631.319	654.265	669.132	678.864	688.734	699.030	707.307	714.142	719.332
-75.0	367.023	377.065	386.923	393.294	398.111	402.942	407.548	411.509	414.479	418.833
-85.0	146.564	148.890	150.956	153.069	154.642	155.490	158.362	158.397	158.597	158.798
-90.0	51.306	50.840	50.622	51.020	51.339	50.901	50.462	50.084	49.767	49.449

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	49.112	49.709	50.007	49.709	49.112	48.516	48.159	47.802	47.584	47.504
85.0	153.588	159.129	161.900	159.129	153.588	148.100	148.384	148.665	148.654	145.524
75.0	409.108	417.969	422.400	417.969	409.108	401.004	397.562	395.327	392.262	388.517
65.0	687.689	699.029	704.700	699.029	687.689	675.426	672.273	667.866	661.468	653.544

CANDELA TABULATION - (Cont.)

55.0	1174.693	1193.627	1203.100	1193.627	1174.693	1157.558	1152.676	1145.460	1135.942	1123.974
47.5	1670.814	1704.611	1719.650	1704.611	1670.814	1652.998	1641.224	1624.517	1603.427	1575.318
42.5	2159.367	2204.840	2224.200	2204.840	2159.367	2140.801	2122.605	2091.851	2052.633	2010.045
37.5	2754.407	2836.706	*2872.600	*2836.706	*2754.407	2721.459	2682.167	2620.657	2557.122	2488.995
33.0	4639.902	*4988.527	*5142.500	*4988.527	*4639.902	*4488.453	*4228.631	*3972.789	*3667.471	*3395.802 *
29.0	7278.951	*7497.127	*7594.700	*7497.127	*7278.951	*7131.137	*6777.383	*6307.167	*5819.400	*5360.678 *
25.5	8781.692	*9008.569	*9184.100	*9008.569	*8781.692	*8685.020	*8410.180	*7984.937	*7472.643	*6927.961 *
22.5	10313.082	*10520.808	*10710.400	*10520.808	*10313.082	*10172.455	*9959.116	*9659.946	*9180.728	*8581.935 *
19.5	11995.173	*12201.056	*12386.950	*12201.057	*11995.173	*11793.608	*11591.234	*11313.541	*10857.114	*10244.927 *
17.0	13067.213	*13286.836	*13500.100	*13286.836	*13067.213	*12882.391	*12668.961	*12338.845	*11904.049	*11347.788 *
15.0	14001.280	*14254.371	*14513.800	*14254.372	*14001.280	*13721.255	*13437.697	*13049.945	*12612.663	*12087.686 *
13.0	15166.698	*15447.360	*15832.400	*15447.359	*15166.698	*14801.963	*14380.417	*13821.680	*13298.374	*12756.206 *
11.0	16735.475	*17102.306	*17722.301	*17102.306	*16735.475	*16235.154	*15485.063	*14751.419	*14042.729	*13288.136 *
9.0	19186.292	*19946.473	*20972.100	*19946.473	*19186.292	*18143.836	*16924.221	*15817.039	*14815.824	*13914.294 *
7.0	23106.843	*24557.708	*26018.400	*24557.708	*23106.844	*21036.510	*18878.446	*17095.585	*15674.738	*14528.191 *
5.0	26668.289	*27837.670	*28353.301	*27837.670	*26668.290	*24610.142	*21408.888	*18566.112	*16527.891	*15043.441 *
3.0	27894.284	*28041.447	*27944.600	*28041.447	*27894.284	*26587.532	*23547.142	*19966.458	*17288.179	*15497.894 *
1.0	27942.471	*27667.187	*27545.801	*27667.187	*27942.471	*27533.005	*24911.421	*20972.780	*17796.951	*15791.159 *
0.0	27959.000	*27626.900	*27602.400	*27626.900	*27959.000	*27597.801	*25005.400	*21082.000	*17840.400	*15807.500 *
-1.0	27964.040	*27668.570	*27649.500	*27668.570	*27964.040	*27668.275	*25162.838	*21178.512	*17903.206	*15861.538 *
-3.0	28047.175	*27976.366	*28003.900	*27976.366	*28047.175	*27009.313	*24060.051	*20385.695	*17484.547	*15642.030 *
-5.0	27454.184	*28230.585	*28190.000	*28230.585	*27454.184	*25526.951	*22162.453	*18954.333	*16735.541	*15195.752 *
-7.0	24379.920	*25887.197	*24834.100	*25887.197	*24379.920	*22258.942	*19560.622	*17456.684	*15839.998	*14624.882 *
-9.0	20252.265	*21095.449	*19971.301	*21095.449	*20252.265	*18908.837	*17475.427	*16116.599	*14980.125	*14070.860 *
-11.0	17403.875	*17812.852	*17106.000	*17812.852	*17403.875	*16779.367	*15920.660	*15017.637	*14222.526	*13482.507 *
-13.0	15657.657	*15837.067	*15408.900	*15837.067	*15657.657	*15249.387	*14727.145	*14119.284	*13501.611	*12898.702 *
-15.0	14420.739	*14478.074	*14179.600	*14478.074	*14420.739	*14161.499	*13769.851	*13346.488	*12868.086	*12371.414 *
-17.0	13361.741	*13380.618	*13128.200	*13380.618	*13361.741	*13171.646	*12899.066	*12588.586	*12200.828	*11678.253 *
-19.5	12242.806	*12182.880	*11983.950	*12182.880	*12242.806	*12095.535	*11873.197	*11571.268	*11187.246	*10669.422 *
-22.5	10224.990	*10094.505	*9860.900	*10094.505	*10224.990	*10072.029	*99850.608	*9536.876	*9114.345	*8584.688 *
-25.5	8291.500	*8176.852	*8008.050	*8176.852	*8291.500	*8089.590	*7821.746	*7434.987	*7046.032	*6661.085 *
-29.0	6935.121	*6907.430	*6822.600	*6907.430	*6935.121	*6735.821	*6476.497	*6161.598	*5808.716	*5401.974 *
-33.0	4586.563	*4453.544	*4330.300	*4453.544	*4586.563	*4445.307	*4225.714	*3996.637	*3699.082	*3408.001 *
-37.5	2770.414	2731.154	2706.850	2731.154	2770.414	2739.716	2700.392	2641.259	2577.828	2503.608
-42.5	2238.532	2209.697	2192.550	2209.697	2238.532	2221.467	2187.510	2141.281	2092.039	2046.765
-47.5	1693.276	1672.450	1660.100	1672.450	1693.276	1691.912	1676.702	1655.534	1629.708	1600.834
-55.0	1200.707	1184.506	1176.400	1184.506	1200.707	1200.637	1190.566	1177.490	1161.194	1144.567
-65.0	714.233	701.879	695.700	701.879	714.233	719.332	714.142	707.307	699.030	688.734
-75.0	410.868	402.090	397.700	402.090	410.868	418.833	414.479	411.509	407.548	402.942
-85.0	152.755	146.652	143.600	146.652	152.755	158.798	158.597	158.397	158.362	155.490
-90.0	48.011	46.572	45.853	46.572	48.011	49.449	49.767	50.084	50.462	50.901

Vert. Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	47.425	46.826	46.078	46.422	46.907	46.837	46.751	47.052	47.550	47.248
85.0	144.326	142.380	139.816	136.669	133.438	130.195	125.089	120.673	115.657	109.737
75.0	384.199	379.188	372.041	362.939	352.927	340.071	323.913	306.759	287.801	266.941
65.0	643.971	633.071	618.150	597.563	577.481	554.530	528.583	499.467	466.111	422.433
55.0	1106.269	1087.231	1059.307	1022.489	983.529	932.992	871.226	790.261	700.655	622.081
47.5	1543.669	1510.271	1463.482	1400.598	1328.295	1241.559	1144.989	1040.065	923.259	790.057
42.5	1946.368	1885.018	1809.993	1718.102	1610.019	1486.321	1354.515	1208.531	1064.336	919.833
37.5	2415.407	2336.263	2226.444	2085.061	1941.919	1774.575	1590.112	1397.660	1206.810	1033.617
33.0	3128.691	*2906.620	*2679.729	2465.228	2283.353	2076.270	1820.880	1580.753	1348.782	1137.265
29.0	4913.484	*4354.615	*3650.805	*3025.209	*2621.968	2358.411	2067.940	1762.146	1477.320	1231.420
25.5	6427.580	*5908.844	*5166.299	*4107.458	*3200.408	*2609.167	2279.497	1935.357	1592.024	1314.357

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

22.5	7978.277	*7470.796	*6720.536	*5500.043	*4152.975	*3020.308	*2461.114	2092.333	1696.287	1383.652
19.5	9550.778	*8880.385	*8064.126	*6861.386	*5310.398	*3670.104	*2660.070	2228.624	1796.831	1450.082
17.0	10607.841	9830.047	*8911.341	*7796.833	*6312.600	*4338.181	*2890.371	*2329.966	1885.377	1501.233
15.0	11433.117	*0497.863	9487.338	*8382.737	*6997.023	*4898.719	*3118.585	*2403.285	1946.652	1538.502
13.0	12051.195	*1203.705	*0040.761	8844.642	*7507.090	*5442.054	*3377.463	*2472.736	2004.076	1571.985
11.0	12640.265	*1829.459	*0597.770	9159.118	*7882.873	*5922.697	*3647.359	*2536.641	2037.366	1602.803
9.0	13147.413	*2310.053	*1110.685	9505.519	*8193.724	*6342.216	*3931.399	*2597.697	2070.763	1629.683
7.0	13531.863	*2710.383	*1551.198	9901.340	*8405.224	*6608.173	*4132.974	*2653.815	2094.977	1652.659
5.0	13919.381	*3044.298	*1933.475	*0275.840	8553.821	*6766.771	*4325.625	*2692.206	2112.684	1668.758
3.0	14255.429	*3219.683	*2157.627	*0564.679	8721.048	*6844.722	*4458.978	*2724.357	2123.286	1675.274
1.0	14449.373	*3370.800	*2285.284	*0742.182	8849.421	*6862.093	*4527.216	*2741.999	2126.758	1676.697
0.0	14461.000	*3400.400	*2306.750	*0774.800	8885.650	*6831.400	*4527.000	*2744.600	2125.700	1675.500
-1.0	14502.514	*3437.384	*2328.921	*0830.943	8957.195	*6840.345	*4511.944	*2738.915	2123.160	1673.227
-3.0	14389.335	*3387.226	*2308.447	*0838.951	9006.876	*6782.608	*4416.331	*2714.285	2112.313	1664.935
-5.0	14105.227	*3185.991	*2164.887	*0728.176	8921.205	*6711.251	*4283.198	*2673.905	2093.451	1651.762
-7.0	13685.122	*2893.601	*1923.065	*0477.564	8736.617	*6556.405	*4094.075	*2628.488	2066.180	1635.437
-9.0	13258.606	*2535.877	*1584.924	*0110.167	8375.445	*6320.256	*3905.361	*2568.432	2033.087	1615.506
-11.0	12831.316	*2163.489	*1140.161	9535.188	*7954.308	*6019.695	*3655.040	*2504.710	1996.304	1591.310
-13.0	12338.614	*1683.528	*0630.396	8989.981	*7454.325	*5610.862	*3411.430	*2442.130	1961.086	1562.489
-15.0	11819.381	*1094.641	9966.614	*8371.634	*6897.912	*5133.112	*3163.559	*2376.540	1906.831	1529.970
-17.0	11081.197	*0331.085	9208.308	*7747.856	*6339.900	*4561.631	*2939.521	*2304.673	1852.737	1493.562
-19.5	9952.892	*9160.978	*8111.270	*6857.180	*5506.801	*3833.340	*2693.778	2202.689	1778.223	1440.648
-22.5	7984.320	*7376.338	*6561.911	*5514.877	*4310.357	*3133.356	*2475.797	2069.742	1690.687	1372.318
-25.5	6205.890	*5700.575	*5011.684	*4127.528	*3276.389	*2660.242	2288.132	1933.176	1588.635	1302.356
-29.0	4934.180	*4390.024	*3720.168	*3075.750	*2652.116	2378.089	2078.719	1776.528	1471.980	1217.106
-33.0	3143.362	*2928.804	*2701.343	2479.703	2286.410	2080.765	1844.218	1591.544	1337.909	1114.832
-37.5	2414.412	2330.930	2226.785	2091.372	1949.671	1788.584	1602.641	1401.883	1191.340	998.015
-42.5	1979.508	1911.816	1827.267	1728.100	1619.675	1498.434	1361.562	1203.537	1037.305	875.824
-47.5	1567.573	1529.903	1478.051	1414.933	1342.701	1254.520	1150.090	1027.867	891.175	760.068
-55.0	1126.470	1106.202	1076.593	1038.104	998.067	945.171	880.099	792.845	692.774	601.478
-65.0	678.864	669.132	654.265	631.319	609.051	577.254	536.638	492.059	452.726	414.359
-75.0	398.111	393.294	386.923	377.065	367.023	355.774	337.533	316.200	289.758	265.524
-85.0	154.642	153.069	150.956	148.890	146.564	143.150	137.223	132.161	125.580	118.835
-90.0	51.339	51.020	50.622	50.840	51.306	52.487	52.107	52.125	52.417	52.354

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	45.879	46.256	44.532	44.010	41.904
85.0	95.773	79.295	61.710	49.092	41.915
75.0	227.914	176.343	115.472	60.321	41.936
65.0	353.167	272.261	171.572	74.143	41.955
55.0	510.490	353.795	224.803	91.956	41.973
47.5	617.091	424.133	258.856	102.800	41.986
42.5	690.845	464.602	278.046	109.060	41.993
37.5	775.089	496.977	295.367	115.429	41.999
33.0	855.123	525.513	308.318	119.325	42.005
29.0	920.326	550.767	318.346	122.974	42.009
25.5	971.495	571.487	327.077	125.783	42.012
22.5	1011.400	588.405	333.771	127.897	42.014
19.5	1049.289	607.309	339.720	129.734	42.016
17.0	1077.800	622.706	344.233	131.050	42.018
15.0	1098.638	634.542	347.381	131.961	42.019
13.0	1116.671	645.786	350.070	132.745	42.020
11.0	1130.566	655.664	352.297	135.350	42.021
9.0	1143.232	664.463	354.060	135.233	42.021

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

7.0	1153.419	671.782	355.356	135.115	42.022
5.0	1161.299	677.572	357.645	134.997	42.022
3.0	1169.578	683.566	357.068	134.878	42.022
1.0	1169.326	684.722	356.489	134.760	42.022
0.0	1169.200	685.300	356.200	134.700	42.022
-1.0	1169.186	686.083	355.991	134.700	42.022
-3.0	1169.158	687.649	355.573	134.836	42.022
-5.0	1160.612	684.321	355.157	134.927	42.022
-7.0	1152.473	681.150	351.941	135.018	42.021
-9.0	1141.395	676.371	349.732	135.108	42.021
-11.0	1127.627	669.842	347.101	135.197	42.020
-13.0	1112.452	658.999	344.061	132.613	42.019
-15.0	1092.690	646.911	340.624	131.829	42.018
-17.0	1070.156	633.296	336.801	130.925	42.017
-19.5	1038.942	614.549	331.408	129.629	42.015
-22.5	997.100	590.836	323.922	127.838	42.013
-25.5	951.739	564.850	315.902	125.796	42.010
-29.0	894.771	534.457	305.790	123.105	42.007
-33.0	827.462	498.599	292.679	119.638	42.002
-37.5	750.980	458.109	277.067	115.978	41.997
-42.5	665.037	418.777	258.618	109.519	41.990
-47.5	582.917	380.485	241.839	103.142	41.982
-55.0	477.863	327.553	215.415	92.275	41.970
-65.0	344.255	260.047	168.118	75.453	41.952
-75.0	229.424	175.020	115.695	62.003	41.932
-85.0	104.385	83.958	63.631	50.991	41.911
-90.0	51.879	49.456	45.734	46.010	41.900

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 8399.15
 Total Field Lumens (one side of beam only) = 6300.94
 * 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	0.16	0.31	0.30	0.30	0.30	0.29	0.29	0.28	0.28	0.34
85	0.88	1.73	1.69	1.66	1.64	1.63	1.60	1.57	1.54	1.87
75	1.71	3.37	3.30	3.25	3.22	3.18	3.12	3.06	2.99	3.62
65	2.89	5.72	5.61	5.54	5.49	5.42	5.33	5.21	5.08	6.14
55	3.32	6.56	6.44	6.37	6.29	6.20	6.08	5.93	5.76	6.94
47.5	2.99	5.89	5.79	5.72	5.64	5.53	5.39	5.23	5.04	6.03
42.5	3.86	7.58	7.43	7.32	7.18	6.99	6.78	6.55	6.28	7.46
37.5	5.43 *	10.42 *	9.98 *	9.62 *	9.17 *	8.65 *	8.12 *	7.60 *	7.11	8.26
33	7.68 *	14.86 *	14.30 *	13.71 *	12.84 *	11.86 *	10.87 *	9.93 *	8.96 *	9.83 *
29	8.87 *	17.35 *	16.95 *	16.44 *	15.56 *	14.48 *	13.34 *	12.22 *	11.07 *	12.07 *
25.5	9.01 *	17.64 *	17.30 *	16.92 *	16.29 *	15.43 *	14.37 *	13.26 *	12.20 *	13.70 *
22.5	10.47 *	20.56 *	20.18 *	19.77 *	19.24 *	18.45 *	17.37 *	16.12 *	14.88 *	16.89 *
19.5	9.78 *	19.24 *	18.89 *	18.53 *	18.07 *	17.40 *	16.52 *	15.42 *	14.23 *	16.13 *
17	8.46 *	16.62 *	16.31 *	15.97 *	15.53 *	14.97 *	14.29 *	13.44 *	12.41 *	14.00 *
15	9.15 *	17.92 *	17.53 *	17.07 *	16.50 *	15.83 *	15.12 *	14.28 *	13.23 *	14.91 *
13	10.07 *	19.62 *	19.12 *	18.45 *	17.63 *	16.77 *	15.91 *	15.00 *	13.97 *	15.79 *
11	11.54 *	22.21 *	21.36 *	20.23 *	19.00 *	17.83 *	16.70 *	15.66 *	14.62 *	16.58 *
9	13.93 *	26.42 *	24.76 *	22.71 *	20.73 *	19.02 *	17.56 *	16.29 *	15.14 *	17.24 *
7	16.26 *	31.10 *	28.99 *	26.03 *	22.91 *	20.36 *	18.41 *	16.85 *	15.58 *	17.80 *
5	17.08 *	33.62 *	32.14 *	29.13 *	25.18 *	21.70 *	19.18 *	17.35 *	15.94 *	18.21 *
3	16.94 *	33.96 *	33.41 *	31.07 *	26.97 *	22.81 *	19.78 *	17.73 *	16.19 *	18.45 *
1	8.41 *	16.92 *	16.87 *	15.91 *	13.87 *	11.65 *	10.02 *	8.94 *	8.15 *	9.29 *
0	8.42 *	16.93 *	16.89 *	15.97 *	13.94 *	11.70 *	10.04 *	8.96 *	8.17 *	9.31 *
-1	16.95 *	33.99 *	33.63 *	31.47 *	27.38 *	23.08 *	19.93 *	17.85 *	16.31 *	18.61 *
-3	17.12 *	34.01 *	32.83 *	29.92 *	25.81 *	22.07 *	19.38 *	17.54 *	16.12 *	18.46 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-5	16.32 *	32.25 *	30.27 *	27.12 *	23.57 *	20.69 *	18.59 *	17.03 *	15.77 *	18.14 *
-7	13.98 *	27.89 *	26.07 *	23.69 *	21.30 *	19.32 *	17.73 *	16.44 *	15.33 *	17.70 *
-9	11.57 *	23.31 *	22.29 *	20.93 *	19.46 *	18.10 *	16.91 *	15.85 *	14.87 *	17.15 *
-11	10.08 *	20.31 *	19.78 *	18.99 *	18.03 *	17.06 *	16.12 *	15.24 *	14.35 *	16.49 *
-13	9.12 *	18.38 *	18.08 *	17.54 *	16.88 *	16.15 *	15.39 *	14.61 *	13.74 *	15.68 *
-15	8.40 *	16.94 *	16.75 *	16.36 *	15.87 *	15.30 *	14.63 *	13.88 *	12.98 *	14.68 *
-17	9.65 *	19.47 *	19.32 *	18.95 *	18.45 *	17.83 *	17.03 *	16.03 *	14.83 *	16.64 *
-19.5	10.08 *	20.43 *	20.34 *	19.94 *	19.38 *	18.63 *	17.68 *	16.49 *	15.14 *	16.93 *
-22.5	8.26 *	16.80 *	16.72 *	16.28 *	15.67 *	14.91 *	14.04 *	13.05 *	11.98 *	13.37 *
-25.5	7.97 *	16.15 *	15.98 *	15.44 *	14.72 *	13.89 *	12.99 *	12.00 *	10.88 *	11.91 *
-29	6.86 *	13.93 *	13.80 *	13.26 *	12.58 *	11.80 *	10.92 *	9.98 *	9.02 *	9.94 *
-33	4.87 *	9.96 *	9.94 *	9.62 *	9.21 *	8.72 *	8.17 *	7.63 *	7.13	8.29
-37.5	3.75	7.57	7.57	7.46	7.29	7.09	6.87	6.61	6.32	7.50
-42.5	2.95	5.95	5.96	5.89	5.78	5.64	5.49	5.32	5.12	6.10
-47.5	3.25	6.57	6.59	6.54	6.45	6.33	6.19	6.03	5.85	7.04
-55	2.86	5.79	5.83	5.79	5.72	5.62	5.50	5.38	5.24	6.34
-65	1.67	3.39	3.44	3.43	3.39	3.34	3.27	3.20	3.13	3.80
-75	0.83	1.69	1.73	1.74	1.72	1.70	1.67	1.64	1.61	1.96
-85	0.15	0.30	0.31	0.32	0.31	0.31	0.31	0.30	0.30	0.37
-90										
Total	354.00	701.63	682.80	648.38	602.16	555.71	514.99	478.99	444.85	507.96

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.39	0.38	0.42	0.46	0.48	0.48	0.43	0.53	0.51	0.30
85	2.16	2.06	2.27	2.40	2.45	2.42	2.10	2.50	2.20	1.13
75	4.16	3.95	4.32	4.56	4.64	4.55	3.88	4.54	3.92	1.91
65	7.03	6.64	7.22	7.54	7.52	7.16	5.95	6.82	5.67	2.66
55	7.91	7.41	7.97	8.21	8.07	7.55	6.13	6.80	5.43	2.46
47.5	6.82	6.32	6.71	6.82	6.64	6.18	4.98	5.39	4.18	1.85

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

42.5	8.36	7.67	8.07	8.10	7.77	7.11	5.69	6.11	4.62	2.00
37.5	9.08	8.24	8.61	8.53	8.04	7.26	5.72	6.11	4.54	1.90
33	10.08 *	8.68	8.85	8.69	8.09	7.20	5.59	5.92	4.34	1.77
29	11.91 *	9.46 *	8.95	8.51	7.88	6.91	5.29	5.55	4.01	1.61
25.5	13.75 *	10.62 *	9.23 *	8.12	7.36	6.40	4.83	5.02	3.59	1.42
22.5	17.37 *	13.66 *	11.48 *	9.25 *	7.93	6.84	5.11	5.25	3.72	1.46
19.5	16.87 *	13.71 *	11.63 *	8.85 *	7.07	6.01	4.46	4.54	3.19	1.24
17	14.75 *	12.31 *	10.68 *	7.96 *	6.01	5.00	3.70	3.73	2.61	1.01
15	15.68 *	13.24 *	11.77 *	8.79 *	6.36 *	5.15	3.80	3.81	2.66	1.03
13	16.48 *	13.94 *	12.68 *	9.60 *	6.73 *	5.28	3.88	3.87	2.70	1.04
11	17.22 *	14.50 *	13.43 *	10.36 *	7.11 *	5.39	3.95	3.93	2.73	1.05
9	17.94 *	15.03 *	14.00 *	10.97 *	7.45 *	5.49	4.01	3.99	2.76	1.06
7	18.62 *	15.50 *	14.37 *	11.40 *	7.72 *	5.57	4.05	4.03	2.79	1.07
5	19.16 *	15.91 *	14.64 *	11.69 *	7.95 *	5.63	4.08	4.05	2.81	1.08
3	19.51 *	16.23 *	14.82 *	11.85 *	8.09 *	5.67	4.09	4.07	2.82	1.08
1	9.83 *	8.19 *	7.45 *	5.94 *	4.07 *	2.84	2.05	2.03	1.41	0.54
0	9.86 *	8.23 *	7.47 *	5.93 *	4.06 *	2.84	2.04	2.03	1.41	0.54
-1	19.75 *	16.54 *	14.97 *	11.77 *	8.05 *	5.65	4.08	4.06	2.82	1.08
-3	19.64 *	16.48 *	14.89 *	11.59 *	7.88 *	5.60	4.05	4.03	2.82	1.08
-5	19.32 *	16.22 *	14.65 *	11.30 *	7.65 *	5.52	4.01	4.00	2.80	1.08
-7	18.81 *	15.73 *	14.21 *	10.90 *	7.38 *	5.42	3.96	3.96	2.78	1.07
-9	18.07 *	15.02 *	13.58 *	10.39 *	7.07 *	5.31	3.90	3.91	2.75	1.06
-11	17.19 *	14.16 *	12.81 *	9.76 *	6.72 *	5.19	3.83	3.85	2.71	1.05
-13	16.19 *	13.24 *	11.89 *	9.04 *	6.38 *	5.07	3.75	3.79	2.67	1.04
-15	15.05 *	12.25 *	10.87 *	8.25 *	6.03	4.92	3.65	3.71	2.62	1.02
-17	17.02 *	13.80 *	11.99 *	9.16 *	7.09	5.93	4.42	4.50	3.19	1.25
-19.5	17.30 *	13.89 *	11.93 *	9.50 *	7.93	6.77	5.07	5.20	3.70	1.45
-22.5	13.57 *	10.79 *	9.51 *	8.27	7.36	6.37	4.81	4.96	3.54	1.40

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-25.5	11.89 *	9.59 *	9.09	8.59	7.91	6.91	5.26	5.46	3.92	1.57
-29	10.22 *	8.76	8.91	8.75	8.16	7.21	5.54	5.79	4.19	1.70
-33	9.12	8.27	8.64	8.59	8.11	7.25	5.62	5.93	4.34	1.79
-37.5	8.40	7.71	8.12	8.16	7.79	7.05	5.52	5.88	4.36	1.84
-42.5	6.88	6.37	6.77	6.87	6.64	6.07	4.80	5.15	3.89	1.69
-47.5	8.01	7.50	8.07	8.28	8.08	7.45	5.95	6.49	5.04	2.27
-55	7.25	6.84	7.41	7.67	7.56	7.09	5.82	6.57	5.36	2.53
-65	4.37	4.14	4.52	4.72	4.71	4.52	3.83	4.48	3.84	1.87
-75	2.27	2.17	2.40	2.54	2.58	2.52	2.15	2.57	2.25	1.14
-85	0.43	0.41	0.47	0.50	0.52	0.53	0.47	0.58	0.55	0.32
-90										
Total	535.69	451.78	422.75	359.15	291.11	243.24	186.30	195.48	144.75	60.54

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90	0.13	0.01		7.39
85	0.38	0.03		37.91
75	0.56	0.04		71.84
65	0.74	0.04		117.43
55	0.67	0.03		128.56
47.5	0.49	0.02		109.66
42.5	0.53	0.03		133.47
37.5	0.50	0.02		152.92
33	0.46	0.02		184.55
29	0.41	0.02		208.86
25.5	0.36	0.02		216.85
22.5	0.37	0.02		256.37
19.5	0.31	0.01		242.10
17	0.25	0.01		210.02
15	0.25	0.01		224.09

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

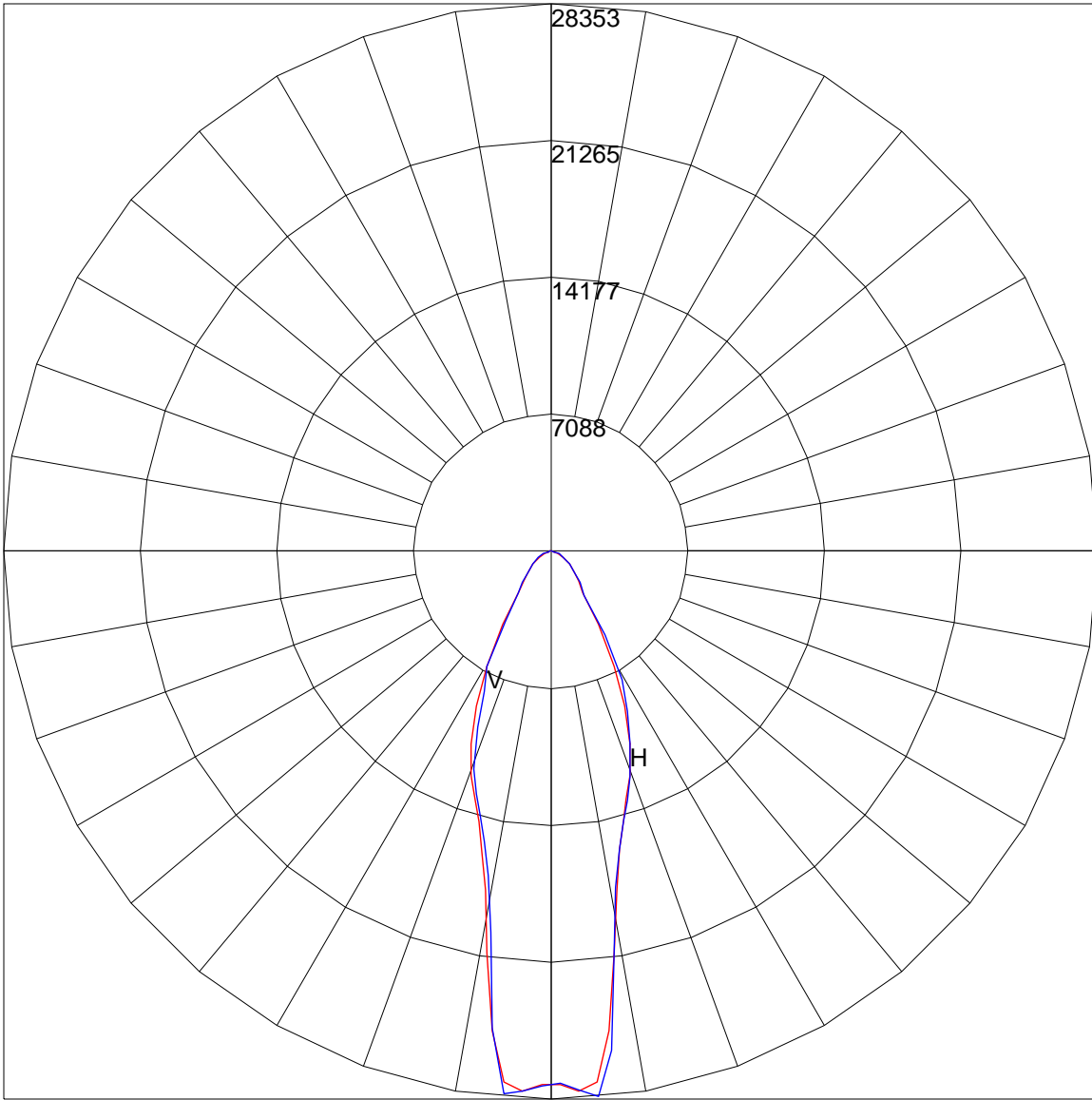
13	0.26	0.01	238.81
11	0.26	0.01	255.69
9	0.26	0.01	276.79
7	0.26	0.01	299.70
5	0.26	0.01	316.80
3	0.26	0.01	325.80
1	0.13	0.01	164.52
0	0.13	0.01	164.88
-1	0.26	0.01	328.27
-3	0.26	0.01	321.58
-5	0.26	0.01	306.57
-7	0.26	0.01	283.95
-9	0.26	0.01	261.77
-11	0.25	0.01	244.00
-13	0.25	0.01	228.88
-15	0.25	0.01	214.42
-17	0.31	0.01	246.87
-19.5	0.36	0.02	258.17
-22.5	0.35	0.02	212.01
-25.5	0.40	0.02	202.55
-29	0.44	0.02	181.76
-33	0.48	0.02	151.69
-37.5	0.50	0.03	133.38
-42.5	0.47	0.02	109.79
-47.5	0.65	0.03	128.66
-55	0.73	0.04	118.92
-65	0.56	0.04	73.67
-75	0.39	0.03	39.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL2-20L-50-8-N5-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

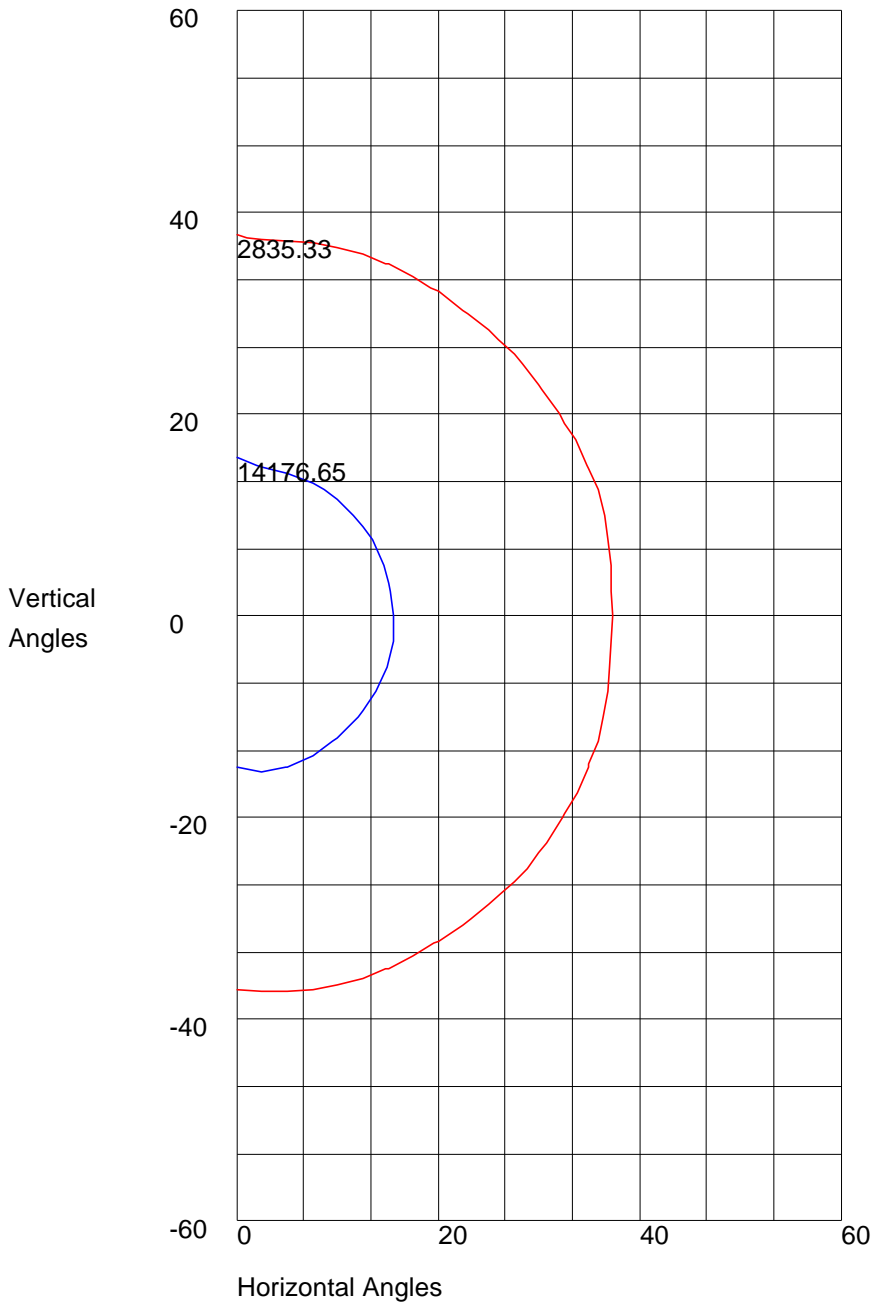
-85	0.14	0.02	7.91
-90			
Total	16.05	0.85	8399.16

AXIAL CANDELA DISPLAY



Maximum Candela = 28353.301 Located At Horizontal Angle = 0, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 28353.301 Located At Horizontal Angle = 0, Vertical Angle = 5
50% Maximum Candela = 14176.6505
10% Maximum Candela = 2835.3301