



**IES FLOOD REPORT  
PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 1277525  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 8/29/2016  
 [MANUFAC] Eye Lighting International of North America  
 [LUMCAT] FL2-20L-50-8-N2-U-Y-GM  
 [LUMINAIRE] Formed aluminum housing / heatsink, clear plastic lens, sp  
 [MORE] ecular inner reflector  
 [LAMP] 5 white LEDs  
 [BALLAST] Meanwell HLG-185H-C1050A  
 [OTHER] 25.31 C, 120.08 V, 1.627 A, 194.24 W, 0.993 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	2 H x 2 V
Maximum Candela	434300
Maximum Candela Angle	0H 1V
Horizontal Beam Angle (50%)	8.7
Vertical Beam Angle (50%)	8.5
Horizontal Field Angle (10%)	19.2
Vertical Field Angle (10%)	18.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	5524
Beam Efficiency	N.A.
Field Lumens	11831
Field Efficiency	N.A.
Spill Lumens	6531
Luminaire Lumens	18362
Total Efficiency	N.A.
Total Luminaire Watts	194.24
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	2.5	90	.061
85	4.7	85	4.6
75	10.7	75	10.5
65	14	65	14.9
55	24.3	55	29
47.5	35.8	47.5	42.35
42.5	51.35	42.5	94.85
37.5	90.9	37.5	122.2
33	200.8	33	239.9
29	302.2	29	378.2
25.5	1025.55	25.5	2822.7
22.5	5904.15	22.5	8127.4
19.5	9270.75	19.5	10445
17	11566.7	17	13657.8
15	14679.7	15	18004.4
13	19945.199	13	26324
11	29436.699	11	41543.398
9	46990.699	9	70856.297
7	82709.602	7	135600
5	154650	5	264500
3	283400	3	420800
1	409450	1	434300
0	421509.688	0	421509.688
-1	409450	-1	368100
-3	283400	-3	195000
-5	154650	-5	99988.398
-7	82709.602	-7	54572.801
-9	46990.699	-9	33388.699
-11	29436.699	-11	21599.199
-13	19945.199	-13	15614.5
-15	14679.7	-15	12097.3
-17	11566.7	-17	9896.2
-19.5	9270.75	-19.5	8134.25
-22.5	5904.15	-22.5	2899.5
-25.5	1025.55	-25.5	410.6
-29	302.2	-29	253.8
-33	200.8	-33	181.3
-37.5	90.9	-37.5	76.9
-42.5	51.35	-42.5	49.95
-47.5	35.8	-47.5	34.8
-55	24.3	-55	25.9
-65	14	-65	8.1
-75	10.7	-75	6.7
-85	4.7	-85	3.7
-90	2.5	-90	2.2

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**CANDELA TABULATION**

Maximum Candela = 434300  
 Beam Edge = 217150 Cd (50% of Max.)  
 Field Edge = 43430 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	2.496	0.404	2.508	4.403	2.696	4.645	4.656	4.306	3.390	3.873
85.0	2.496	2.184	5.705	4.722	1.769	5.004	5.310	5.631	6.188	6.267
75.0	2.496	4.112	4.150	7.119	6.187	6.774	8.728	9.226	10.019	9.498
65.0	2.496	3.375	6.130	8.267	7.730	9.529	10.159	12.841	11.522	11.805
55.0	2.497	4.340	6.695	7.869	10.131	12.403	13.514	14.077	19.120	24.470
47.5	2.497	4.814	10.151	9.701	13.223	13.083	19.549	24.896	25.637	27.840
42.5	2.497	5.024	7.111	9.729	13.689	18.803	25.644	26.212	31.499	36.352
37.5	2.497	5.222	7.881	11.156	14.845	24.873	26.944	30.851	36.352	43.084
33.0	2.498	5.049	8.169	13.080	17.442	25.327	29.236	35.035	43.635	64.689
29.0	2.498	4.904	8.501	12.401	18.795	26.852	32.620	39.923	61.019	82.705
25.5	2.498	4.805	9.026	12.345	23.059	27.572	35.677	47.566	77.310	93.620
22.5	2.498	4.740	9.463	14.098	24.000	28.987	38.567	55.665	79.199	143.795
19.5	2.499	4.691	9.441	12.489	23.487	32.005	39.913	67.115	90.416	187.900
17.0	2.499	4.663	8.972	11.266	23.174	34.331	43.344	71.950	117.200	215.063
15.0	2.499	4.648	8.792	10.987	22.814	33.136	44.699	73.871	140.340	232.638
13.0	2.499	4.639	8.772	11.684	22.999	33.082	46.114	77.602	160.368	250.384
11.0	2.499	4.585	8.886	12.356	23.823	32.783	48.527	79.940	173.234	264.541
9.0	2.499	4.606	9.108	13.091	24.101	33.731	50.582	82.853	183.248	276.116
7.0	2.500	4.627	9.411	13.603	23.964	35.278	51.746	85.763	191.038	288.319
5.0	2.500	4.648	9.844	13.905	24.072	36.309	52.920	89.041	196.750	297.863
3.0	2.500	4.669	10.186	14.140	24.048	36.214	52.868	91.247	198.409	298.273
1.0	2.500	4.690	10.529	14.047	24.216	35.945	51.979	91.390	201.077	301.984
0.0	2.500	4.700	10.700	14.000	24.300	35.800	51.350	90.900	200.800	302.200
-1.0	2.500	4.700	10.464	13.692	23.950	35.237	51.392	89.699	199.230	300.216
-3.0	2.500	4.569	9.993	13.077	23.251	34.040	51.148	86.575	192.513	291.622
-5.0	2.500	4.482	9.523	12.434	22.702	32.520	50.168	83.782	182.918	277.740
-7.0	2.500	4.395	8.915	11.946	21.995	31.597	47.842	81.883	172.077	265.264
-9.0	2.500	4.308	8.432	11.648	22.076	31.033	45.852	79.278	162.887	252.614
-11.0	2.500	4.222	8.002	11.631	21.982	30.335	44.635	76.240	149.383	236.052
-13.0	2.500	4.263	7.646	11.800	21.568	30.861	43.145	71.938	134.434	220.512
-15.0	2.500	4.235	7.384	11.701	22.366	31.513	40.789	66.322	114.740	201.801
-17.0	2.500	4.222	7.237	11.333	23.629	31.868	38.346	60.712	94.759	180.187
-19.5	2.500	4.229	7.269	11.016	23.926	28.551	37.300	55.751	80.852	145.960
-22.5	2.500	4.274	7.569	11.040	21.200	26.584	33.407	48.109	72.364	101.296
-25.5	2.500	4.364	7.947	11.735	19.252	25.849	32.245	41.806	62.727	80.901
-29.0	2.500	4.530	8.407	11.418	14.760	26.211	29.550	36.571	47.760	72.429
-33.0	2.500	4.806	7.441	11.740	13.785	24.016	27.554	32.454	38.534	48.474
-37.5	2.500	5.161	6.540	10.999	12.889	22.849	24.762	28.363	33.043	36.933
-42.5	2.500	4.336	7.026	10.452	12.979	15.706	22.600	24.696	27.485	30.938
-47.5	2.500	3.403	6.051	8.970	12.112	13.536	14.704	21.650	24.956	26.492
-55.0	2.500	1.847	5.338	5.455	9.603	10.931	11.284	12.018	13.761	14.868
-65.0	2.500	0.413	3.896	6.173	9.484	10.619	10.435	11.584	12.081	11.624
-75.0	2.500	2.359	5.112	5.038	5.730	6.478	6.374	7.118	6.870	5.541
-85.0	2.500	2.341	3.873	3.191	3.162	3.827	3.932	3.934	4.144	5.722
-90.0	2.500	1.601	3.003	2.405	4.787	3.997	2.657	2.060	1.804	2.168

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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	4.069	3.452	3.075	4.412	5.482	4.333	3.185	2.452	2.133	1.815
85.0	6.560	6.063	5.074	4.070	3.207	4.041	4.959	5.423	5.262	5.100
75.0	9.767	10.064	10.663	9.888	9.300	9.611	9.999	10.179	10.346	10.675
65.0	12.683	13.677	12.671	13.629	13.340	13.201	13.984	14.821	14.616	14.503
55.0	25.593	24.834	25.399	25.597	25.615	24.566	26.092	27.163	27.478	27.852
47.5	30.638	31.988	34.967	37.603	38.304	38.928	39.484	38.593	38.425	41.056
42.5	38.591	42.734	46.547	52.080	57.798	64.812	71.428	78.286	85.210	89.895
37.5	56.344	74.530	93.576	91.751	82.350	85.918	91.081	98.494	108.370	115.063
33.0	87.578	84.761	113.628	147.456	176.572	196.435	208.806	220.303	228.485	235.515
29.0	100.919	159.710	206.709	234.147	253.918	273.281	290.261	309.272	330.728	352.081
25.5	170.184	220.430	262.550	300.321	344.533	397.741	521.603	765.669	1397.131	1940.766
22.5	214.370	264.588	328.770	422.559	746.338	1894.614	3519.122	5243.773	6531.175	7472.839
19.5	252.689	322.485	473.654	1863.236	4261.703	6626.278	8200.103	8953.393	9434.772	9874.759
17.0	287.494	410.495	1501.946	5144.274	7819.878	8956.915	9740.057	10650.026	11601.694	12532.063
15.0	321.537	537.903	3589.959	7757.969	9114.570	10001.415	11222.054	12709.448	14361.802	15950.894
13.0	355.682	984.028	5949.092	8918.378	9861.781	11284.067	13206.923	15687.288	18648.743	21759.856
11.0	401.006	2176.831	7781.620	9406.506	10745.852	12845.159	15897.915	20090.830	25375.556	32067.725
9.0	453.102	3699.214	8538.960	9996.747	11900.041	14759.196	19242.672	25930.402	35607.574	47688.133 *
7.0	611.718	4845.862	8831.497	10597.230	12973.478	16885.472	23122.513	33385.335	48949.223	74908.143 *
5.0	768.973	5576.771	8964.145	11103.913	13934.572	18668.975	27019.050	41063.492	67379.402	116910.438 *
3.0	1015.738	5874.985	9135.266	11406.328	14519.209	19923.018	29473.760	47282.717	783384.180	154914.909 *
1.0	1061.937	5973.824	9268.195	11608.127	14791.722	20260.004	30203.851	49045.768	88559.324	170069.570 *
0.0	1025.550	5904.150	9270.750	11566.700	14679.700	19945.199	29436.699	46990.699	82709.602	154650.000 *
-1.0	962.122	5710.101	9170.011	11451.958	14472.128	19577.741	28533.442	44855.287	77423.825	141218.613 *
-3.0	775.818	5118.924	8911.974	10944.305	13608.750	18021.175	25301.876	37487.789	58402.762	94998.467 *
-5.0	547.352	4320.596	8566.343	10348.973	12542.308	16045.679	21626.137	29864.665	42327.844	60270.404 *
-7.0	449.880	3184.712	7907.325	9623.137	11351.201	13972.616	17701.075	23128.913	330283.915	39337.239
-9.0	375.674	1925.617	6721.854	8939.792	10230.046	12021.807	14545.145	17818.319	21832.708	26301.311
-11.0	331.433	914.613	4947.665	8152.532	9220.121	10533.547	12191.908	14125.706	16271.761	18686.266
-13.0	296.377	494.905	2869.077	6466.966	8344.415	9370.445	10430.737	11639.347	12889.636	14079.422
-15.0	267.932	364.870	1179.179	3938.567	6723.415	8229.943	9121.320	9904.139	10669.435	11343.749
-17.0	244.730	302.794	484.204	1536.235	3606.818	5869.429	7643.489	8532.190	9069.501	9467.321
-19.5	213.244	262.892	328.950	448.629	876.188	2064.665	3694.629	5293.218	6594.570	7512.247
-22.5	170.213	219.513	261.887	298.875	344.878	406.107	517.028	851.654	1490.919	2069.179
-25.5	116.935	169.023	210.762	237.308	259.554	280.175	303.064	324.556	353.634	374.852
-29.0	80.083	96.243	140.441	173.689	194.470	212.136	224.663	235.056	243.474	247.583
-33.0	60.981	75.670	78.079	85.226	94.133	109.861	128.616	150.973	159.391	168.007
-37.5	43.951	48.977	57.004	63.911	72.411	78.136	80.738	79.080	76.642	76.617
-42.5	32.224	38.283	41.654	42.132	43.552	45.813	46.439	46.179	46.949	47.656
-47.5	27.813	30.701	33.197	33.103	33.622	34.730	35.201	35.034	34.944	35.812
-55.0	16.359	21.425	25.944	28.515	27.288	25.811	26.627	27.453	26.840	24.768
-65.0	12.053	13.850	11.427	11.878	13.152	13.080	11.973	11.615	12.175	12.336
-75.0	7.909	7.989	7.714	9.082	10.269	9.946	8.910	8.112	8.162	8.186
-85.0	4.685	4.593	5.009	5.407	5.781	5.253	4.796	4.207	3.805	3.404
-90.0	2.394	2.606	2.837	3.093	3.297	3.185	3.074	3.015	3.010	3.004

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	1.113	0.412	0.061	0.412	1.113	1.815	2.133	2.452	3.185	4.333
85.0	4.901	4.700	4.600	4.700	4.901	5.100	5.262	5.423	4.959	4.041
75.0	10.624	10.541	10.500	10.541	10.624	10.675	10.346	10.179	9.999	9.611
65.0	14.768	14.856	14.900	14.856	14.768	14.503	14.616	14.821	13.984	13.201

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55.0	28.268	28.756	29.000	28.756	28.268	27.852	27.478	27.163	26.092	24.566
47.5	42.264	42.340	42.350	42.340	42.264	41.056	38.425	38.593	39.484	38.928
42.5	92.776	94.532	94.850	94.532	92.776	89.895	85.210	78.286	71.428	64.812
37.5	119.403	121.951	122.200	121.951	119.403	115.063	108.370	98.494	91.081	85.918
33.0	239.442	240.744	239.900	240.744	239.442	235.515	228.485	220.303	208.806	196.435
29.0	366.055	376.427	378.200	376.427	366.055	352.081	330.728	309.272	290.261	273.281
25.5	2471.140	2772.302	2822.700	2772.302	2471.140	1940.766	1397.131	765.669	521.603	397.741
22.5	7805.771	8061.483	8127.400	8061.484	7805.771	7472.839	6531.175	5243.773	3519.121	1894.614
19.5	10163.398	10391.086	10445.000	10391.086	10163.398	9874.759	9434.772	8953.394	8200.103	6626.278
17.0	13194.338	13633.611	13657.800	13633.611	13194.338	12532.063	11601.693	10650.026	9740.057	8956.915
15.0	17233.297	17962.808	18004.400	17962.808	17233.297	15950.894	14361.801	12709.448	11222.054	10001.415
13.0	24568.953	26270.933	26324.000	26270.933	24568.953	21759.856	18648.743	15687.287	13206.923	11284.067
11.0	37805.625	41750.223	41543.398	41750.223	37805.625	37805.625	32067.725	25375.557	20090.831	15897.915
9.0	61039.565	70605.910	70856.297	70605.911	61039.565	647688.132	5607.574	425930.401	19242.671	14759.196
7.0	107827.643	134336.237	135600.000	134336.236	107827.638	14908.149	18949.226	33385.333	23122.513	16885.473
5.0	188010.038	20574.222	24500.000	20574.221	188010.049	16910.438	17379.397	11063.491	127019.051	118668.976
3.0	281805.895	3167.457	20800.000	3167.457	281805.895	54914.898	3384.185	47282.719	29473.762	19923.017
1.0	310158.447	25451.692	34300.000	25451.692	310158.447	70069.548	8559.329	49045.765	30203.854	20260.004
0.0	283400.000	9450.002	1509.688	9450.002	283400.000	54650.008	2709.602	46990.699	29436.699	19945.199
-1.0	238452.839	44712.493	68100.000	44712.492	238452.839	41218.628	7423.820	44855.289	28533.440	19577.742
-3.0	145806.127	89537.774	95000.000	89537.774	145806.127	4998.467	58402.759	37487.788	25301.876	18021.175
-5.0	81785.608	100822.458	9988.398	100822.458	81785.608	60270.404	2327.844	29864.665	21626.136	16045.679
-7.0	48303.884	54639.733	5472.801	54639.733	48303.884	39337.239	30283.915	23128.913	17701.075	13972.616
-9.0	30562.113	33451.542	33388.699	33451.542	30562.113	26301.311	21832.708	17818.319	14545.145	12021.807
-11.0	20565.690	21729.778	21599.199	21729.778	20565.690	18686.266	16271.761	14125.706	12191.908	10533.547
-13.0	15097.094	15612.991	15614.500	15612.991	15097.094	14079.422	12889.636	11639.347	10430.737	9370.445
-15.0	11862.104	12126.777	12097.300	12126.777	11862.104	11343.749	10669.435	9904.139	9121.320	8229.943
-17.0	9724.923	9901.052	9896.200	9901.052	9724.923	9467.321	9069.501	8532.190	7643.489	5869.429
-19.5	7901.996	8091.906	8134.250	8091.906	7901.996	7512.247	6594.570	5293.218	3694.629	2064.665
-22.5	2574.843	2865.404	2899.500	2865.404	2574.843	2069.179	1490.919	851.654	517.028	406.107
-25.5	395.562	408.101	410.600	408.101	395.562	374.852	353.634	324.556	303.064	280.175
-29.0	250.342	253.346	253.800	253.346	250.342	247.583	243.474	235.056	224.663	212.136
-33.0	175.805	180.896	181.300	180.896	175.805	168.007	159.391	150.973	128.616	109.861
-37.5	77.597	77.174	76.900	77.174	77.597	76.617	76.642	79.080	80.738	78.136
-42.5	48.003	49.498	49.950	49.498	48.003	47.656	46.949	46.179	46.439	45.813
-47.5	35.851	35.185	34.800	35.185	35.851	35.812	34.944	35.034	35.201	34.730
-55.0	24.070	25.290	25.900	25.290	24.070	24.768	26.840	27.453	26.627	25.811
-65.0	10.880	9.027	8.100	9.027	10.880	12.336	12.175	11.615	11.973	13.080
-75.0	7.632	7.011	6.700	7.011	7.632	8.186	8.162	8.112	8.910	9.946
-85.0	3.519	3.640	3.700	3.640	3.519	3.404	3.805	4.207	4.796	5.253
-90.0	2.682	2.361	2.200	2.361	2.682	3.004	3.010	3.015	3.074	3.185

**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	5.482	4.412	3.075	3.452	4.069	3.873	3.390	4.306	4.656	4.645
85.0	3.207	4.070	5.074	6.063	6.560	6.267	6.188	5.631	5.310	5.004
75.0	9.300	9.888	10.663	10.064	9.767	9.498	10.019	9.226	8.728	6.774
65.0	13.340	13.629	12.671	13.677	12.683	11.805	11.522	12.841	10.159	9.529
55.0	25.615	25.597	25.399	24.834	25.593	24.470	19.120	14.077	13.514	12.403
47.5	38.304	37.603	34.967	31.988	30.638	27.840	25.637	24.896	19.549	13.083
42.5	57.798	52.080	46.547	42.734	38.591	36.352	31.499	26.212	25.644	18.803
37.5	82.350	91.751	93.576	74.530	56.344	43.084	36.352	30.851	26.944	24.873
33.0	176.572	147.456	113.628	84.761	87.578	64.689	43.635	35.035	29.236	25.327
29.0	253.918	234.147	206.709	159.710	100.919	82.705	61.019	39.923	32.620	26.852
25.5	344.533	300.321	262.550	220.430	170.184	93.620	77.310	47.566	35.677	27.572

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**CANDELA TABULATION - (Cont.)**

22.5	746.338	422.559	328.770	264.588	214.370	143.795	79.199	55.665	38.567	28.987
19.5	4261.703	1863.235	473.654	322.485	252.689	187.900	90.416	67.115	39.913	32.005
17.0	7819.878	5144.275	1501.947	410.495	287.494	215.063	117.200	71.950	43.344	34.331
15.0	9114.570	7757.969	3589.959	537.903	321.537	232.638	140.340	73.871	44.699	33.136
13.0	9861.782	8918.379	5949.093	984.028	355.682	250.384	160.368	77.602	46.114	33.082
11.0	10745.8529406.506	7781.619	2176.831	401.006	264.541	173.234	79.940	48.527	32.783	
9.0	11900.0419996.747	8538.960	3699.214	453.102	276.116	183.248	82.853	50.582	33.731	
7.0	12973.47810597.2308831.497	4845.862	611.718	288.319	191.038	85.763	51.746	35.278		
5.0	13934.571111103.9138964.145	5576.771	768.973	297.863	196.750	89.041	52.920	36.309		
3.0	14519.20811406.3289135.266	5874.985	1015.738	298.273	198.409	91.247	52.868	36.214		
1.0	14791.72111608.1279268.195	5973.824	1061.937	301.984	201.077	91.390	51.979	35.945		
0.0	14679.70011566.7009270.750	5904.150	1025.550	302.200	200.800	90.900	51.350	35.800		
-1.0	14472.12911451.9589170.012	5710.102	962.121	300.216	199.230	89.699	51.392	35.237		
-3.0	13608.75110944.3048911.974	5118.924	775.818	291.622	192.513	86.575	51.148	34.040		
-5.0	12542.30910348.9738566.343	4320.596	547.352	277.740	182.918	83.782	50.168	32.520		
-7.0	11351.2019623.137	7907.325	3184.712	449.880	265.264	172.077	81.883	47.842	31.597	
-9.0	10230.0468939.792	6721.854	1925.617	375.674	252.614	162.887	79.278	45.852	31.033	
-11.0	9220.121	8152.532	4947.665	914.613	331.433	236.052	149.383	76.240	44.635	30.335
-13.0	8344.415	6466.966	2869.077	494.905	296.377	220.512	134.434	71.938	43.145	30.861
-15.0	6723.415	3938.567	1179.179	364.870	267.932	201.801	114.740	66.322	40.789	31.513
-17.0	3606.818	1536.235	484.204	302.794	244.730	180.187	94.759	60.712	38.346	31.868
-19.5	876.188	448.629	328.950	262.892	213.244	145.960	80.852	55.751	37.300	28.551
-22.5	344.878	298.875	261.887	219.513	170.213	101.296	72.364	48.109	33.407	26.584
-25.5	259.554	237.308	210.762	169.023	116.935	80.901	62.727	41.806	32.245	25.849
-29.0	194.470	173.689	140.441	96.243	80.083	72.429	47.760	36.571	29.550	26.211
-33.0	94.133	85.226	78.079	75.670	60.981	48.474	38.534	32.454	27.554	24.016
-37.5	72.411	63.911	57.004	48.977	43.951	36.933	33.043	28.363	24.762	22.849
-42.5	43.552	42.132	41.654	38.283	32.224	30.938	27.485	24.696	22.600	15.706
-47.5	33.622	33.103	33.197	30.701	27.813	26.492	24.956	21.650	14.704	13.536
-55.0	27.288	28.515	25.944	21.425	16.359	14.868	13.761	12.018	11.284	10.931
-65.0	13.152	11.878	11.427	13.850	12.053	11.624	12.081	11.584	10.435	10.619
-75.0	10.269	9.082	7.714	7.989	7.909	5.541	6.870	7.118	6.374	6.478
-85.0	5.781	5.407	5.009	4.593	4.685	5.722	4.144	3.934	3.932	3.827
-90.0	3.297	3.093	2.837	2.606	2.394	2.168	1.804	2.060	2.657	3.997

**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	2.696	4.403	2.508	0.404	2.496
85.0	1.769	4.722	5.705	2.184	2.496
75.0	6.187	7.119	4.150	4.112	2.496
65.0	7.730	8.267	6.130	3.375	2.496
55.0	10.131	7.869	6.695	4.340	2.497
47.5	13.223	9.701	10.151	4.814	2.497
42.5	13.689	9.729	7.111	5.024	2.497
37.5	14.845	11.156	7.881	5.222	2.497
33.0	17.442	13.080	8.169	5.049	2.498
29.0	18.795	12.401	8.501	4.904	2.498
25.5	23.059	12.345	9.026	4.805	2.498
22.5	24.000	14.098	9.463	4.740	2.498
19.5	23.487	12.489	9.441	4.691	2.499
17.0	23.174	11.266	8.972	4.663	2.499
15.0	22.814	10.987	8.792	4.648	2.499
13.0	22.999	11.684	8.772	4.639	2.499
11.0	23.823	12.356	8.886	4.585	2.499
9.0	24.101	13.091	9.108	4.606	2.499

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	23.964	13.603	9.411	4.627	2.500
<b>5.0</b>	24.072	13.905	9.844	4.648	2.500
<b>3.0</b>	24.048	14.140	10.186	4.669	2.500
<b>1.0</b>	24.216	14.047	10.529	4.690	2.500
<b>0.0</b>	24.300	14.000	10.700	4.700	2.500
<b>-1.0</b>	23.950	13.692	10.464	4.700	2.500
<b>-3.0</b>	23.251	13.077	9.993	4.569	2.500
<b>-5.0</b>	22.702	12.434	9.523	4.482	2.500
<b>-7.0</b>	21.995	11.946	8.915	4.395	2.500
<b>-9.0</b>	22.076	11.648	8.432	4.308	2.500
<b>-11.0</b>	21.982	11.631	8.002	4.222	2.500
<b>-13.0</b>	21.568	11.800	7.646	4.263	2.500
<b>-15.0</b>	22.366	11.701	7.384	4.235	2.500
<b>-17.0</b>	23.629	11.333	7.237	4.222	2.500
<b>-19.5</b>	23.926	11.016	7.269	4.229	2.500
<b>-22.5</b>	21.200	11.040	7.569	4.274	2.500
<b>-25.5</b>	19.252	11.735	7.947	4.364	2.500
<b>-29.0</b>	14.760	11.418	8.407	4.530	2.500
<b>-33.0</b>	13.785	11.740	7.441	4.806	2.500
<b>-37.5</b>	12.889	10.999	6.540	5.161	2.500
<b>-42.5</b>	12.979	10.452	7.026	4.336	2.500
<b>-47.5</b>	12.112	8.970	6.051	3.403	2.500
<b>-55.0</b>	9.603	5.455	5.338	1.847	2.500
<b>-65.0</b>	9.484	6.173	3.896	0.413	2.500
<b>-75.0</b>	5.730	5.038	5.112	2.359	2.500
<b>-85.0</b>	3.162	3.191	3.873	2.341	2.500
<b>-90.0</b>	4.787	2.405	3.003	1.601	2.500

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Luminaire Lumens (one side of beam only) = 9181.03  
 Total Field Lumens (one side of beam only) = 5915.44  
 \* 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	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
85	0.02	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.05
75	0.04	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.08
65	0.07	0.13	0.13	0.13	0.13	0.12	0.12	0.11	0.11	0.14
55	0.08	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.17
47.5	0.10	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.15
42.5	0.17	0.33	0.32	0.30	0.28	0.25	0.23	0.21	0.21	0.26
37.5	0.25	0.49	0.49	0.47	0.44	0.42	0.39	0.36	0.33	0.36
33	0.38	0.74	0.73	0.69	0.66	0.62	0.58	0.53	0.48	0.51
29	1.69	3.19	2.73	2.13	1.48	0.99	0.77	0.66	0.58	0.64
25.5	4.98	9.64	8.97	7.88	6.31	4.52	2.83	1.50	0.80	0.71
22.5	8.46	16.63	16.10	15.14	13.65	11.66	9.05	6.00	3.20	1.68
19.5	9.16	18.03	17.38	16.45	15.32	14.08	12.49	10.22	6.99	4.06
17	9.63	18.88	17.90	16.49	14.88	13.30	11.89	10.61	8.74	6.51
15	13.49	26.19	24.16	21.42	18.52	15.85	13.62	11.90	10.44	9.48
13	20.70	39.69	35.31	29.64	24.07	19.46	15.86	13.22	11.40	11.59
11	34.23 *	64.29 *	54.27 *	42.63	32.28	24.35	18.69	14.85	12.31	12.92
9	62.66 *	113.79 *	88.56 *	62.75 *	43.40	30.50	22.05	16.70	13.31	13.73
7	121.08 *	210.28 *	148.18 *	93.35 *	57.55 *	37.37	25.53	18.46	14.23	14.28
5	205.46 *	345.07 *	225.36 *	128.02 *	72.12 *	43.45	28.33	19.82	14.92	14.68
3	256.43 *	432.45 *	278.62 *	150.54 *	80.92 *	46.80	29.75	20.54	15.32	14.98
1	128.75 *	217.42 *	139.51 *	75.13 *	40.31 *	23.35	14.87	10.30	7.71	7.54
0	117.56 *	194.22 *	124.24 *	69.07 *	38.00 *	22.47	14.52	10.15	7.64	7.50
-1	167.13 *	279.61 *	188.54 *	112.70 *	65.81 *	40.85	27.24	19.41	14.78	14.64
-3	89.15 *	157.67 *	116.34 *	77.55 *	50.70	34.28	24.13	17.80	13.89	14.02



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

<b>-5</b>	47.22 *	86.93 *	69.80 *	52.17	37.89	27.69	20.66	15.93	12.84	13.18
<b>-7</b>	26.81 *	50.82	43.91	35.67	28.07	21.96	17.35	14.06	11.75	12.00
<b>-9</b>	16.78	32.36	29.21	25.17	21.13	17.60	14.69	12.41	10.70	10.40
<b>-11</b>	11.36	22.22	20.79	18.76	16.57	14.52	12.67	11.07	9.42	8.11
<b>-13</b>	8.45	16.65	15.92	14.84	13.60	12.33	11.07	9.66	7.46	5.23
<b>-15</b>	6.70	13.28	12.88	12.28	11.52	10.56	9.20	7.22	4.63	2.58
<b>-17</b>	6.86	13.55	13.14	12.36	11.12	9.44	7.18	4.59	2.37	1.26
<b>-19.5</b>	5.02	9.79	9.14	8.03	6.44	4.66	2.99	1.64	0.86	0.73
<b>-22.5</b>	1.50	2.85	2.47	1.95	1.37	0.90	0.67	0.57	0.50	0.55
<b>-25.5</b>	0.35	0.70	0.67	0.65	0.61	0.57	0.53	0.49	0.44	0.48
<b>-29</b>	0.26	0.52	0.51	0.50	0.48	0.44	0.40	0.36	0.32	0.35
<b>-33</b>	0.18	0.35	0.34	0.33	0.32	0.30	0.27	0.24	0.21	0.23
<b>-37.5</b>	0.10	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.16	0.19
<b>-42.5</b>	0.06	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.14
<b>-47.5</b>	0.07	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.16
<b>-55</b>	0.05	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.14
<b>-65</b>	0.02	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.07
<b>-75</b>	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.04	0.05
<b>-85</b>	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>-90</b>										
<b>Total</b>	1383.48	2399.95	1707.77	1106.35	727.07	506.78	371.74	282.67	219.94	206.54

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02
<b>85</b>	0.07	0.07	0.08	0.08	0.09	0.08	0.07	0.07	0.08	0.06
<b>75</b>	0.10	0.10	0.10	0.11	0.12	0.12	0.09	0.11	0.11	0.07
<b>65</b>	0.16	0.16	0.18	0.17	0.16	0.15	0.12	0.14	0.13	0.08
<b>55</b>	0.19	0.18	0.19	0.19	0.18	0.16	0.12	0.13	0.12	0.07
<b>47.5</b>	0.17	0.15	0.16	0.16	0.15	0.14	0.10	0.11	0.09	0.05

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

<b>42.5</b>										
	0.27	0.22	0.21	0.19	0.17	0.16	0.13	0.13	0.09	0.05
<b>37.5</b>										
	0.35	0.28	0.27	0.22	0.18	0.16	0.13	0.13	0.10	0.05
<b>33</b>										
	0.48	0.36	0.32	0.26	0.20	0.16	0.12	0.13	0.09	0.04
<b>29</b>										
	0.63	0.48	0.37	0.29	0.22	0.16	0.12	0.12	0.09	0.04
<b>25.5</b>										
	0.69	0.54	0.44	0.31	0.22	0.16	0.11	0.11	0.08	0.04
<b>22.5</b>										
	0.89	0.66	0.57	0.39	0.25	0.18	0.11	0.12	0.08	0.04
<b>19.5</b>										
	1.44	0.66	0.56	0.40	0.24	0.16	0.10	0.10	0.07	0.03
<b>17</b>										
	2.58	0.65	0.50	0.37	0.23	0.14	0.08	0.08	0.05	0.02
<b>15</b>										
	4.72	0.92	0.55	0.41	0.25	0.14	0.08	0.08	0.05	0.02
<b>13</b>										
	7.20	1.64	0.60	0.44	0.27	0.15	0.09	0.08	0.05	0.02
<b>11</b>										
	9.47	2.81	0.66	0.47	0.29	0.15	0.09	0.08	0.06	0.02
<b>9</b>										
	11.05	4.01	0.77	0.49	0.30	0.16	0.09	0.08	0.06	0.02
<b>7</b>										
	12.04	4.93	0.93	0.51	0.31	0.16	0.09	0.09	0.06	0.02
<b>5</b>										
	12.60	5.52	1.13	0.52	0.32	0.17	0.10	0.09	0.06	0.03
<b>3</b>										
	12.90	5.81	1.27	0.52	0.33	0.17	0.10	0.09	0.06	0.03
<b>1</b>										
	6.49	2.91	0.64	0.26	0.16	0.08	0.05	0.04	0.03	0.01
<b>0</b>										
	6.41	2.84	0.61	0.26	0.16	0.08	0.05	0.04	0.03	0.01
<b>-1</b>										
	12.33	5.25	1.10	0.51	0.32	0.16	0.09	0.08	0.06	0.02
<b>-3</b>										
	11.48	4.49	0.90	0.49	0.31	0.16	0.09	0.08	0.05	0.02
<b>-5</b>										
	10.23	3.55	0.73	0.47	0.29	0.15	0.09	0.08	0.05	0.02
<b>-7</b>										
	8.42	2.48	0.64	0.45	0.28	0.15	0.08	0.08	0.05	0.02
<b>-9</b>										
	6.19	1.48	0.57	0.42	0.26	0.14	0.08	0.08	0.05	0.02
<b>-11</b>										
	3.94	0.85	0.51	0.39	0.24	0.14	0.08	0.07	0.05	0.02
<b>-13</b>										
	2.09	0.59	0.47	0.35	0.22	0.13	0.08	0.08	0.05	0.02
<b>-15</b>										
	0.99	0.49	0.42	0.31	0.19	0.12	0.08	0.08	0.05	0.02
<b>-17</b>										
	0.74	0.53	0.46	0.33	0.20	0.14	0.09	0.10	0.07	0.02
<b>-19.5</b>										
	0.69	0.54	0.45	0.31	0.22	0.15	0.10	0.11	0.08	0.03
<b>-22.5</b>										
	0.55	0.42	0.33	0.25	0.19	0.14	0.10	0.10	0.07	0.03

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	0.46	0.34	0.29	0.24	0.18	0.14	0.11	0.11	0.08	0.04
<b>-29</b>	0.33	0.26	0.25	0.22	0.17	0.15	0.12	0.11	0.08	0.04
<b>-33</b>	0.25	0.22	0.20	0.18	0.17	0.15	0.12	0.12	0.08	0.04
<b>-37.5</b>	0.20	0.17	0.17	0.17	0.16	0.15	0.12	0.12	0.09	0.05
<b>-42.5</b>	0.15	0.13	0.14	0.14	0.14	0.12	0.09	0.10	0.08	0.04
<b>-47.5</b>	0.18	0.15	0.15	0.16	0.15	0.13	0.10	0.12	0.10	0.05
<b>-55</b>	0.15	0.13	0.13	0.14	0.14	0.13	0.12	0.15	0.12	0.05
<b>-65</b>	0.09	0.09	0.09	0.09	0.11	0.10	0.09	0.12	0.10	0.05
<b>-75</b>	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.04
<b>-85</b>	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
<b>-90</b>	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
<b>Total</b>	150.46	58.16	19.21	12.75	8.85	5.95	4.06	4.13	3.12	1.50

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>	0.01	0.00	0.36	
<b>85</b>	0.02	0.00	1.19	
<b>75</b>	0.02	0.00	1.77	
<b>65</b>	0.03	0.00	2.67	
<b>55</b>	0.03	0.00	2.99	
<b>47.5</b>	0.02	0.00	2.95	
<b>42.5</b>	0.02	0.00	4.20	
<b>37.5</b>	0.02	0.00	5.89	
<b>33</b>	0.01	0.00	8.09	
<b>29</b>	0.01	0.00	17.38	
<b>25.5</b>	0.01	0.00	50.84	
<b>22.5</b>	0.01	0.00	104.85	
<b>19.5</b>	0.01	0.00	127.95	
<b>17</b>	0.01	0.00	133.53	
<b>15</b>	0.01	0.00	172.31	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

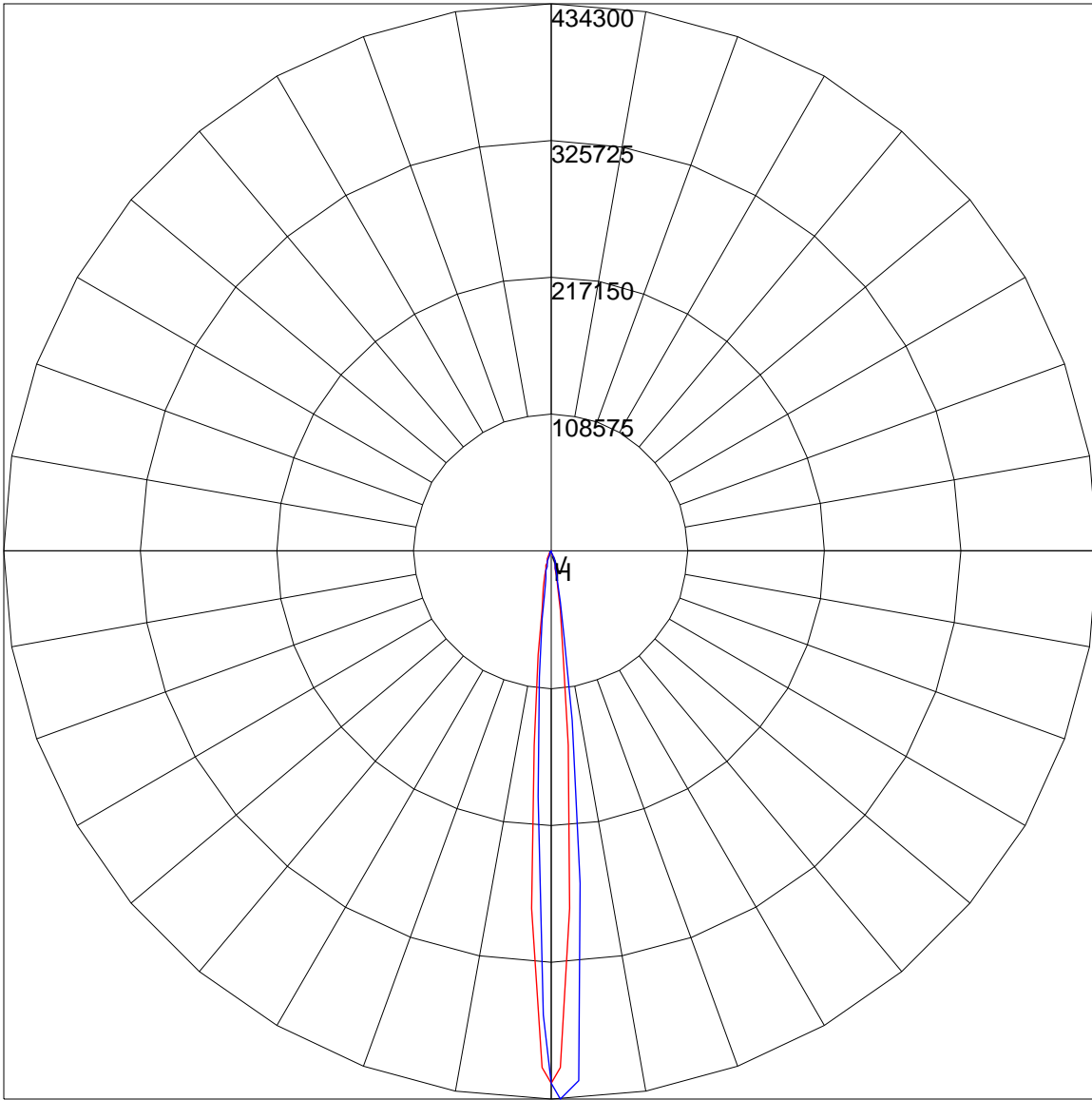
<b>13</b>			
	0.01	0.00	231.51
<b>11</b>			
	0.01	0.00	324.93
<b>9</b>			
	0.01	0.00	484.52
<b>7</b>			
	0.01	0.00	759.46
<b>5</b>			
	0.01	0.00	1117.77
<b>3</b>			
	0.01	0.00	1347.62
<b>1</b>			
	0.00	0.00	675.58
<b>0</b>			
	0.00	0.00	615.87
<b>-1</b>			
	0.01	0.00	950.65
<b>-3</b>			
	0.01	0.00	613.62
<b>-5</b>			
	0.01	0.00	399.98
<b>-7</b>			
	0.01	0.00	275.06
<b>-9</b>			
	0.01	0.00	199.75
<b>-11</b>			
	0.01	0.00	151.79
<b>-13</b>			
	0.01	0.00	119.28
<b>-15</b>			
	0.01	0.00	93.61
<b>-17</b>			
	0.01	0.00	84.56
<b>-19.5</b>			
	0.01	0.00	51.98
<b>-22.5</b>			
	0.01	0.00	15.52
<b>-25.5</b>			
	0.01	0.00	7.50
<b>-29</b>			
	0.01	0.00	5.89
<b>-33</b>			
	0.01	0.00	4.30
<b>-37.5</b>			
	0.02	0.00	3.15
<b>-42.5</b>			
	0.01	0.00	2.33
<b>-47.5</b>			
	0.02	0.00	2.65
<b>-55</b>			
	0.02	0.00	2.38
<b>-65</b>			
	0.02	0.00	1.53
<b>-75</b>			
	0.02	0.00	0.98

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL2-20L-50-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

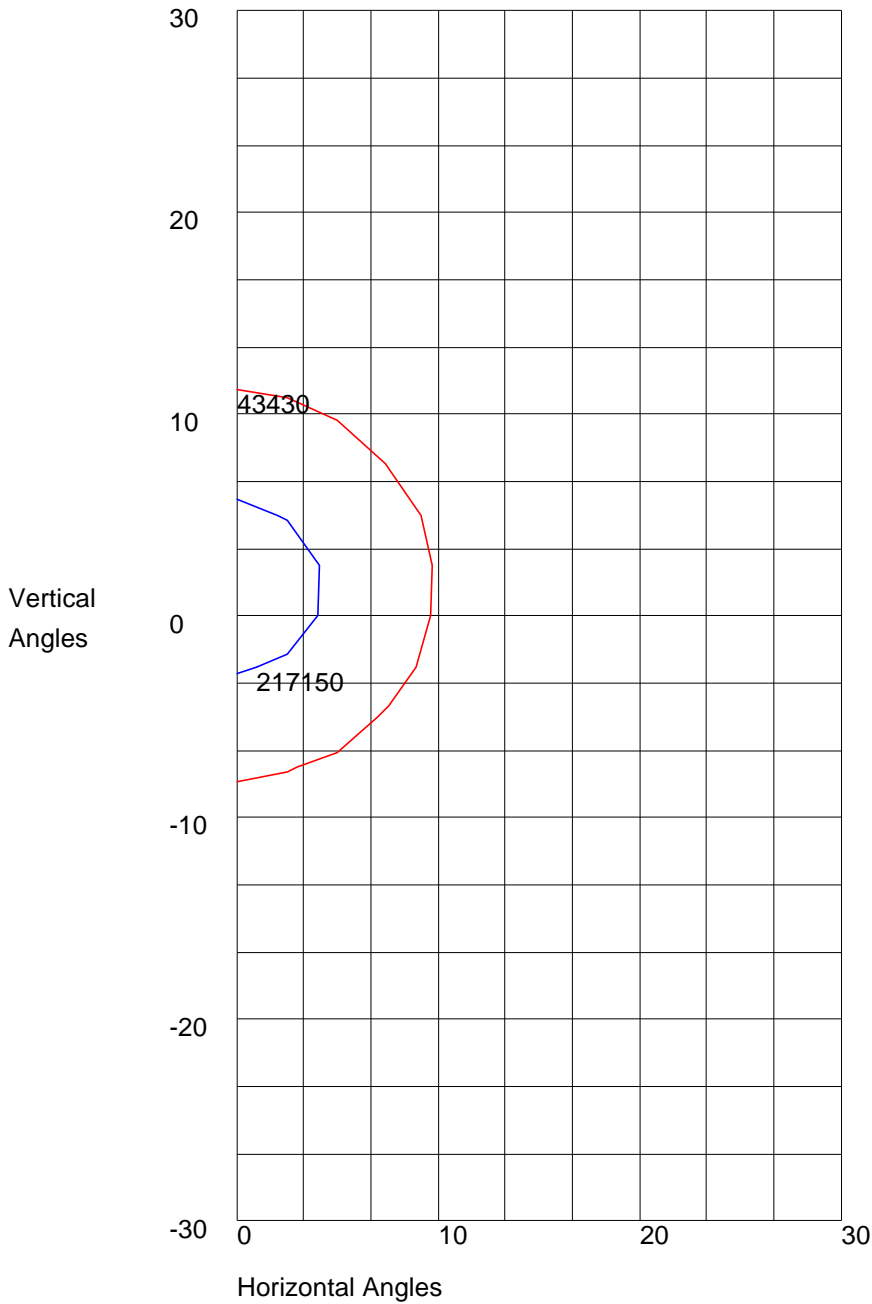
<b>-85</b>	0.01	0.00	0.31
<b>-90</b>			
<b>Total</b>	0.50	0.04	9181.03

AXIAL CANDELA DISPLAY



Maximum Candela = 434300 Located At Horizontal Angle = 0, Vertical Angle = 1  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 434300 Located At Horizontal Angle = 0, Vertical Angle = 1  
50% Maximum Candela = 217150  
10% Maximum Candela = 43430