



**IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES**

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1231980
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 4/5/2016
 [MANUFAC] Eye Lighting International of North America
 [LUMCAT] FL4-40L-40-8-N3-U-Y-GM
 [LUMINAIRE] Formed aluminum housing/ heatsink, clear plastic lens, specular plastic reflector
 [MORE] cular plastic reflector
 [LAMP] 10 white LEDs
 [BALLAST] Meanwell HLG-185H-C
 [OTHER] 25.5 C, 120.1 V, 3.25544 A, 388.717 W, 0.994212 PF, 59.9996 Hz
 [OTHER] This test was performed using the calibrated photodetector method of absolute photometry.
 [MORE] hod of absolute photometry.

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	285033
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	14.4
Vertical Beam Angle (50%)	15.3
Horizontal Field Angle (10%)	35.6
Vertical Field Angle (10%)	36.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	11662
Beam Efficiency	N.A.
Field Lumens	26691
Field Efficiency	N.A.
Spill Lumens	5959
Luminaire Lumens	32650
Total Efficiency	N.A.
Total Luminaire Watts	388.717
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.255	90	.303
85	41.2	85	46.7
75	79	75	82.4
65	108.3	65	110.8
55	153.4	55	152.3
47.5	185.7	47.5	180.8
42.5	242.9	42.5	235.65
37.5	326.4	37.5	315.65
33	583.2	33	553.4
29	887	29	822.5
25.5	3869.05	25.5	3580.05
22.5	11931.75	22.5	11938.45
19.5	22505.101	19.5	22354.451
17	32423.1	17	32185.1
15	41973.898	15	41606.102
13	55043.102	13	54255.699
11	75723.203	11	74210.297
9	111356	9	107916
7	158951.5	7	151783
5	222435	5	210140
3	280003.5	3	280812
1	283602	1	283115
0	282533.5	0	282533.5
-1	283602	-1	282396
-3	280003.5	-3	285033
-5	222435	-5	226796
-7	158951.5	-7	163839
-9	111356	-9	117018
-11	75723.203	-11	78606.102
-13	55043.102	-13	56256.5
-15	41973.898	-15	42644.898
-17	32423.1	-17	33083.602
-19.5	22505.101	-19.5	23251.65
-22.5	11931.75	-22.5	12630.3
-25.5	3869.05	-25.5	4044.15
-29	887	-29	859.1
-33	583.2	-33	578.4
-37.5	326.4	-37.5	325.3
-42.5	242.9	-42.5	233.7
-47.5	185.7	-47.5	185.65
-55	153.4	-55	155.7
-65	108.3	-65	110.5
-75	79	-75	82.4
-85	41.2	-85	47.2
-90	.255	-90	.3

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CANDELA TABULATION

Maximum Candela = 285033
 Beam Edge = 142516.5 Cd (50% of Max.)
 Field Edge = 28503.3 Cd (10% of Max.)
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0.000	0.022	0.066	0.111	0.156	0.190	0.212	0.231	0.245	0.257
85.0	0.022	11.055	26.800	30.977	35.016	38.047	39.805	41.544	42.443	43.302
75.0	0.066	26.658	37.560	46.072	54.470	61.213	64.884	68.725	71.854	74.349
65.0	0.108	30.168	45.372	60.176	75.844	85.443	90.846	95.132	98.329	100.655
55.0	0.146	33.456	53.132	74.710	90.761	100.583	107.711	114.933	120.821	128.352
47.5	0.172	35.393	59.064	83.595	99.916	114.802	127.765	143.499	150.670	155.635
42.5	0.188	36.511	62.498	88.461	106.785	127.110	145.000	154.282	162.631	170.936
37.5	0.202	37.661	66.046	92.366	114.854	142.763	154.220	165.257	177.536	190.578
33.0	0.214	38.376	68.995	95.715	121.545	149.965	162.256	178.093	196.662	230.697
29.0	0.223	39.041	71.453	97.886	129.901	155.549	170.581	191.034	231.324	276.748
25.5	0.230	39.552	73.241	99.674	138.440	160.305	178.119	208.894	269.677	305.202
22.5	0.236	39.936	74.557	101.198	142.300	164.580	185.473	232.525	282.985	371.966
19.5	0.240	40.270	75.674	102.853	144.971	168.422	192.322	258.301	309.886	466.497
17.0	0.244	40.510	76.477	104.112	146.912	171.458	199.232	272.194	347.196	546.544
15.0	0.247	40.676	77.042	105.012	148.215	173.647	206.311	278.058	387.560	605.449
13.0	0.249	40.819	77.536	105.835	149.547	175.721	214.397	282.913	430.809	656.259
11.0	0.250	41.277	77.959	106.573	150.522	177.830	220.406	289.292	469.873	702.896
9.0	0.252	41.263	78.311	107.143	151.384	179.838	226.761	298.119	509.657	748.427
7.0	0.253	41.249	78.591	107.592	152.074	181.496	232.212	306.429	533.658	793.097
5.0	0.254	41.235	79.027	107.929	152.610	182.939	236.944	314.041	556.739	835.248
3.0	0.255	41.221	79.016	108.272	153.190	184.309	240.417	320.978	573.199	867.170
1.0	0.255	41.207	79.005	108.291	153.330	185.325	242.426	325.285	582.461	885.485
0.0	0.255	41.200	79.000	108.300	153.400	185.700	242.900	326.400	583.200	887.000
-1.0	0.255	41.200	78.995	108.263	153.330	185.508	242.649	326.008	583.754	885.774
-3.0	0.255	41.221	78.984	108.188	153.190	184.842	241.193	323.003	577.058	869.572
-5.0	0.254	41.235	78.973	107.789	152.589	183.780	238.463	317.427	562.880	846.543
-7.0	0.253	41.249	78.534	107.397	152.016	182.486	234.141	310.805	541.972	806.270
-9.0	0.252	41.263	78.251	106.893	151.398	180.983	228.604	303.902	519.600	762.239
-11.0	0.250	41.277	77.908	106.283	150.622	179.144	222.243	296.391	482.015	719.487
-13.0	0.249	40.831	77.506	105.554	149.742	177.048	216.097	290.057	444.189	674.111
-15.0	0.247	40.693	77.049	104.722	148.604	174.925	208.529	283.665	400.263	623.515
-17.0	0.244	40.535	76.538	103.866	147.439	172.731	201.874	272.216	361.456	566.088
-19.5	0.240	40.309	75.820	102.795	145.874	169.778	194.734	255.640	319.714	485.213
-22.5	0.236	39.995	74.654	101.498	144.100	165.613	188.127	233.423	290.104	391.909
-25.5	0.230	39.636	73.228	99.969	138.423	161.550	181.126	212.498	269.167	316.888
-29.0	0.223	39.163	71.362	98.042	130.636	157.021	173.655	195.246	234.008	282.842
-33.0	0.214	38.553	68.945	95.849	122.712	151.697	164.664	182.195	202.886	233.447
-37.5	0.202	37.905	65.964	92.730	115.594	144.891	156.688	168.832	181.781	195.978
-42.5	0.188	36.696	62.703	88.691	107.797	128.783	147.896	156.793	165.372	174.743
-47.5	0.172	35.504	59.074	83.923	100.687	116.448	130.366	147.049	153.370	158.664
-55.0	0.146	33.456	53.207	75.051	91.011	101.358	108.769	116.297	122.777	131.280
-65.0	0.108	30.168	45.475	60.313	76.187	86.081	90.966	95.167	98.645	101.319
-75.0	0.066	26.932	37.380	46.309	54.969	61.777	65.744	69.614	72.648	75.413
-85.0	0.022	11.229	26.858	31.140	35.195	38.404	40.389	42.392	43.327	44.163
-90.0	0.000	0.022	0.066	0.111	0.157	0.192	0.215	0.233	0.249	0.262

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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	0.267	0.274	0.281	0.286	0.290	0.291	0.292	0.294	0.295	0.297
85.0	44.003	44.368	44.659	44.994	45.254	45.394	45.800	45.781	45.741	45.700
75.0	75.950	77.302	78.772	79.456	80.006	80.506	80.929	81.246	81.413	81.711
65.0	102.648	104.300	105.492	106.395	107.092	107.918	108.898	109.802	109.836	109.702
55.0	136.675	141.600	143.903	145.741	147.104	148.174	149.036	149.823	150.455	150.987
47.5	160.202	163.986	167.707	170.324	172.108	173.718	174.986	176.324	177.473	178.482
42.5	179.058	185.351	191.241	196.984	202.553	208.837	213.640	218.856	223.099	227.787
37.5	207.735	230.068	253.609	268.340	277.460	285.183	291.966	296.142	300.535	305.773
33.0	267.672	287.200	305.872	338.375	371.536	410.343	446.323	480.080	501.944	521.724
29.0	303.100	368.802	455.850	529.921	584.327	633.149	675.180	712.721	748.409	776.759
25.5	403.024	517.400	624.086	709.797	784.094	893.120	1108.775	1425.780	2024.956	2534.877
22.5	520.218	647.229	782.614	1018.722	1626.093	2773.205	4371.710	6194.680	7972.395	9556.104
19.5	631.801	791.450	1354.930	3187.166	5706.771	8706.380	11967.179	15144.856	17640.088	19902.530
17.0	724.711	1066.115	3244.432	7077.572	11269.616	15596.705	19610.510	23130.238	26179.733	28868.826
15.0	816.797	1781.007	5782.266	11270.677	16613.781	21114.129	25588.089	29951.688	33859.431	37241.555
13.0	985.192	3107.676	9001.641	15699.693	21161.108	26439.239	31929.239	37452.801	42651.621	47322.658
11.0	1303.460	4814.520	12391.202	19819.945	25708.769	32142.312	38661.054	46014.760	53856.444	62333.342
9.0	1725.378	6669.373	15436.608	23387.878	30211.055	37635.031	46340.799	56526.050	69234.550	83497.709
7.0	2383.545	8476.395	18018.928	26618.963	34309.331	43253.607	54669.664	69872.884	90558.380	115802.569
5.0	2974.157	10102.352	220140.091	29306.906	37919.088	48352.049	63612.492	85421.266	117463.074	153234.520
3.0	3540.117	11235.018	21605.291	31165.593	40423.724	52542.234	70627.542	100329.178	141128.600	187368.682
1.0	3828.780	11841.120	22377.024	32329.333	41923.589	55004.627	75623.271	110697.161	157929.042	220615.602
0.0	3869.050	11931.750	22505.101	32423.100	41973.898	55043.102	75723.203	11356.000	158951.500	22435.000
-1.0	3847.140	11902.515	22444.387	32436.300	42136.306	55347.011	76519.577	112520.003	161229.012	226152.371
-3.0	3592.449	11392.248	21874.484	31513.674	40863.588	53379.748	72669.229	104391.291	146803.757	198529.738
-5.0	3061.695	10395.049	20578.739	29754.906	38447.938	49352.562	65979.471	90443.553	125183.350	164400.034
-7.0	2551.040	8970.520	18665.274	27159.421	35041.657	44351.126	56772.205	74678.853	998693.181	126893.307
-9.0	1851.128	7171.466	16100.904	24040.038	30991.903	38968.056	48272.195	60024.279	74831.880	92737.957
-11.0	1390.845	5253.928	13003.954	20561.114	26666.085	33263.802	40454.084	48370.172	57407.112	67072.986
-13.0	1044.281	3438.498	9751.136	16732.937	22291.341	27694.339	33302.300	39204.111	44896.801	50316.231
-15.0	849.137	2024.646	6601.100	12516.660	17842.595	22250.532	26869.011	31417.484	35640.249	39192.024
-17.0	752.779	1174.830	3838.213	8207.101	12479.033	16822.706	20915.459	24593.092	27831.164	30401.651
-19.5	661.032	836.915	1637.279	3860.307	6640.882	9933.474	13414.465	16629.346	19314.474	21141.748
-22.5	549.633	682.562	835.595	1166.965	2022.751	3449.719	5365.234	7467.125	9392.885	10981.431
-25.5	427.962	550.802	663.227	754.068	845.910	1010.089	1368.694	1867.187	2627.765	3246.157
-29.0	317.086	395.382	489.864	569.161	626.060	677.763	724.754	766.638	806.346	842.269
-33.0	268.742	291.669	322.124	363.908	404.247	447.267	486.827	525.000	547.168	567.720
-37.5	214.108	232.834	253.418	270.442	281.295	288.916	296.665	305.082	313.851	321.784
-42.5	183.235	191.249	198.581	204.762	209.737	215.487	219.834	224.631	228.991	232.943
-47.5	163.987	168.632	172.559	175.421	177.478	179.311	181.150	183.019	184.523	185.624
-55.0	140.027	144.946	147.743	150.001	151.523	152.985	153.712	154.340	154.903	155.363
-65.0	103.353	104.826	106.389	107.507	108.187	108.913	109.941	110.985	111.116	111.124
-75.0	77.190	78.714	79.765	80.604	81.204	81.725	82.181	82.505	82.603	82.818
-85.0	44.716	45.285	45.824	46.313	46.696	46.826	47.221	47.200	47.200	47.200
-90.0	0.272	0.280	0.288	0.292	0.296	0.298	0.300	0.301	0.301	0.301

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	0.300	0.302	0.303	0.302	0.300	0.297	0.295	0.294	0.292	0.291
85.0	46.098	46.499	46.700	46.499	46.098	45.700	45.741	45.781	45.800	45.394
75.0	81.965	82.255	82.400	82.255	81.965	81.711	81.413	81.246	80.929	80.506
65.0	110.204	110.601	110.800	110.601	110.204	109.702	109.836	109.802	108.898	107.918

CANDELA TABULATION - (Cont.)

55.0	151.714	152.105	152.300	152.105	151.714	150.987	150.455	149.823	149.036	148.174
47.5	179.390	180.413	180.800	180.413	179.390	178.482	177.473	176.324	174.986	173.718
42.5	231.034	234.447	235.650	234.447	231.034	227.787	223.099	218.856	213.640	208.837
37.5	309.552	314.053	315.650	314.053	309.552	305.773	300.535	296.142	291.966	285.183
33.0	532.334	548.370	553.400	548.370	532.334	521.724	501.944	480.080	446.323	410.343
29.0	793.538	814.664	822.500	814.664	793.538	776.759	748.409	712.721	675.180	633.149
25.5	3005.284	3398.711	3580.050	3398.711	3005.284	2534.877	2024.956	1425.780	1108.775	893.120
22.5	10677.812	11518.402	11938.450	11518.403	10677.812	9556.103	7972.395	6194.680	4371.710	2773.205
19.5	21375.519	22150.558	22354.451	22150.558	21375.519	19902.530	17640.088	15144.856	11967.179	98706.380
17.0	30853.546	31990.150	32185.100	31990.150	30853.546	28868.826	26179.733	23130.238	19610.510	15596.705
15.0	39794.159	41279.615	41606.102	41279.616	39794.160	37241.555	33859.432	29951.688	25588.089	21114.129
13.0	51307.565	53670.820	54255.699	53670.819	51307.566	47322.658	42651.621	37452.801	31929.239	26439.239
11.0	68637.997	73146.917	74210.297	73146.917	68637.998	62333.343	53856.443	46014.760	38661.055	32142.312
9.0	96665.723	106634.087	107916.000	106634.089	96665.724	83497.708	69234.550	56526.051	46340.799	37635.031
7.0	136620.622	150128.602	151783.000	150128.602	136620.625	115802.569	9558.379	69872.884	54669.664	43253.607
5.0	183224.477	207133.948	210140.000	207133.946	183224.477	153234.520	117463.078	85421.266	63612.493	48352.048
3.0	241735.968	272255.048	280812.000	272255.048	241735.965	21368.685	1128.599	900329.177	70627.541	52542.234
1.0	275630.068	34349.338	33115.000	34349.338	275630.068	20615.603	17929.047	10697.167	5623.270	55004.627
0.0	280003.508	3602.000	2533.500	3602.000	280003.502	2435.000	58951.500	11356.007	5723.203	55043.102
-1.0	278278.612	33998.868	2396.000	33998.868	278278.612	26152.371	161229.016	12520.007	6519.579	55347.011
-3.0	255774.388	2928.422	85033.000	2928.422	255774.386	98529.738	46803.758	4391.292	2669.229	53379.747
-5.0	199557.658	30575.760	26796.000	30575.760	199557.658	86400.034	25183.350	7443.553	65979.472	49352.562
-7.0	150051.616	6056.528	83839.000	6056.528	150051.616	26893.309	8693.181	74678.853	56772.205	44351.126
-9.0	108248.529	919068.921	117018.000	919068.921	108248.529	2737.957	74831.880	60024.279	48272.195	38968.056
-11.0	74661.325	80051.427	78606.102	80051.427	74661.325	67072.986	57407.112	48370.172	40454.084	33263.802
-13.0	54558.123	57022.411	56256.500	57022.411	54558.123	50316.231	44896.801	39204.111	33302.300	27694.339
-15.0	41764.975	43159.820	42644.898	43159.820	41764.975	39192.024	35640.249	31417.484	26869.011	22250.532
-17.0	32357.122	33397.653	33083.602	33397.653	32357.122	30401.651	27831.164	24593.092	220915.459	16822.706
-19.5	22693.434	23333.808	23251.650	23333.808	22693.434	22693.434	21141.748	19314.474	16629.346	13414.465
-22.5	12123.193	12642.737	12630.300	12642.737	12123.193	10981.431	9392.885	7467.125	5365.234	3449.719
-25.5	3837.860	4068.214	4044.150	4068.214	3837.860	3246.157	2627.765	1867.187	1368.694	1010.089
-29.0	864.493	866.688	859.100	866.688	864.493	842.269	806.346	766.638	724.754	677.763
-33.0	580.572	581.998	578.400	581.998	580.572	567.720	547.168	525.000	486.827	447.267
-37.5	327.564	326.827	325.300	326.827	327.564	321.784	313.851	305.082	296.665	288.916
-42.5	235.192	234.528	233.700	234.528	235.192	232.943	228.991	224.631	219.834	215.487
-47.5	186.126	185.891	185.650	185.891	186.126	185.624	184.523	183.019	181.150	179.311
-55.0	155.773	155.724	155.700	155.724	155.773	155.363	154.903	154.340	153.712	152.985
-65.0	111.096	110.699	110.500	110.699	111.096	111.124	111.116	110.985	109.941	108.913
-75.0	82.648	82.483	82.400	82.483	82.648	82.818	82.603	82.505	82.181	81.725
-85.0	47.200	47.200	47.200	47.200	47.200	47.200	47.200	47.200	47.221	46.826
-90.0	0.301	0.300	0.300	0.300	0.301	0.301	0.301	0.301	0.300	0.298

Vert. Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0.290	0.286	0.281	0.274	0.267	0.257	0.245	0.231	0.212	0.190
85.0	45.254	44.994	44.659	44.368	44.003	43.302	42.443	41.544	39.805	38.047
75.0	80.006	79.456	78.772	77.302	75.950	74.349	71.854	68.725	64.884	61.213
65.0	107.092	106.395	105.492	104.300	102.648	100.655	98.329	95.132	90.846	85.443
55.0	147.104	145.741	143.903	141.600	136.675	128.352	120.821	114.933	107.711	100.583
47.5	172.108	170.324	167.707	163.986	160.202	155.635	150.670	143.499	127.765	114.802
42.5	202.553	196.984	191.241	185.351	179.058	170.936	162.631	154.282	145.000	127.110
37.5	277.460	268.340	253.609	230.068	207.735	190.578	177.536	165.257	154.220	142.763
33.0	371.536	338.375	305.872	287.200	267.672	230.697	196.662	178.093	162.256	149.965
29.0	584.327	529.921	455.850	368.802	303.100	276.748	231.324	191.034	170.581	155.549
25.5	784.094	709.797	624.086	517.400	403.024	305.202	269.677	208.894	178.119	160.305

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

22.5	1626.093	1018.722	782.614	647.229	520.218	371.966	282.985	232.525	185.473	164.580
19.5	5706.771	3187.166	1354.930	791.450	631.801	466.497	309.886	258.301	192.322	168.422
17.0	11269.6167077	571.3244.432	1066.115	724.711	546.544	347.196	272.194	199.232	171.458	
15.0	16613.78111270.6775782.266	1781.007	816.797	605.449	387.560	278.058	206.311	173.647		
13.0	21161.10815699.6939001.641	3107.676	985.192	656.259	430.809	282.913	214.397	175.721		
11.0	25708.76919819.94512391.2024814.520	1303.460	702.896	469.873	289.292	220.406	177.830			
9.0	30211.05523387.87815436.6086669.373	1725.378	748.426	509.657	298.119	226.761	179.838			
7.0	34309.33126618.96318018.9288476.395	2383.545	793.097	533.658	306.429	232.212	181.496			
5.0	37919.08829306.90620140.09110102.3522974.157	835.248	556.739	314.041	236.944	182.939				
3.0	40423.72431165.59321605.29111235.0183540.117	867.170	573.199	320.978	240.417	184.309				
1.0	41923.58932329.33322377.02411841.1203828.780	885.485	582.461	325.285	242.426	185.325				
0.0	41973.89832423.10022505.10111931.7503869.050	887.000	583.200	326.400	242.900	185.700				
-1.0	42136.30532436.30022444.38611902.5153847.140	885.774	583.754	326.008	242.649	185.508				
-3.0	40863.58731513.67421874.48411392.2483592.449	869.572	577.058	323.003	241.193	184.842				
-5.0	38447.93829754.90620578.73910395.0493061.695	846.543	562.880	317.427	238.463	183.780				
-7.0	35041.65727159.42118665.2748970.520	2551.040	806.270	541.972	310.805	234.141	182.486			
-9.0	30991.90324040.03816100.9047171.466	1851.128	762.239	519.600	303.902	228.604	180.983			
-11.0	26666.08520561.11413003.9545253.928	1390.845	719.487	482.015	296.391	222.243	179.144			
-13.0	22291.34116732.9379751.136	3438.498	1044.281	674.111	444.189	290.057	216.097	177.048		
-15.0	17842.59512516.6606601.100	2024.646	849.137	623.515	400.263	283.665	208.529	174.925		
-17.0	12479.0338207.101	3838.213	1174.830	752.779	566.088	361.456	272.216	201.874	172.731	
-19.5	6640.882	3860.307	1637.279	836.915	661.032	485.213	319.714	255.640	194.734	169.778
-22.5	2022.751	1166.965	835.595	682.562	549.633	391.909	290.104	233.423	188.127	165.613
-25.5	845.910	754.068	663.227	550.802	427.962	316.888	269.167	212.498	181.126	161.550
-29.0	626.060	569.161	489.864	395.382	317.086	282.842	234.008	195.246	173.655	157.021
-33.0	404.247	363.908	322.124	291.669	268.742	233.447	202.886	182.195	164.664	151.697
-37.5	281.295	270.442	253.418	232.834	214.108	195.978	181.781	168.832	156.688	144.891
-42.5	209.737	204.762	198.581	191.249	183.235	174.743	165.372	156.793	147.896	128.783
-47.5	177.478	175.421	172.559	168.632	163.987	158.664	153.370	147.049	130.366	116.448
-55.0	151.523	150.001	147.743	144.946	140.027	131.280	122.777	116.297	108.769	101.358
-65.0	108.187	107.507	106.389	104.826	103.353	101.319	98.645	95.167	90.966	86.081
-75.0	81.204	80.604	79.765	78.714	77.190	75.413	72.648	69.614	65.744	61.777
-85.0	46.696	46.313	45.824	45.285	44.716	44.163	43.327	42.392	40.389	38.404
-90.0	0.296	0.292	0.288	0.280	0.272	0.262	0.249	0.233	0.215	0.192

Vert. Angles **Horizontal Angles**

	55.0	65.0	75.0	85.0	90.0
90.0	0.156	0.111	0.066	0.022	0.000
85.0	35.016	30.977	26.800	11.055	0.022
75.0	54.470	46.072	37.560	26.658	0.066
65.0	75.844	60.176	45.372	30.168	0.108
55.0	90.761	74.710	53.132	33.456	0.146
47.5	99.916	83.595	59.064	35.393	0.172
42.5	106.785	88.461	62.498	36.511	0.188
37.5	114.854	92.366	66.046	37.661	0.202
33.0	121.545	95.715	68.995	38.376	0.214
29.0	129.901	97.886	71.453	39.041	0.223
25.5	138.440	99.674	73.241	39.552	0.230
22.5	142.300	101.198	74.557	39.936	0.236
19.5	144.971	102.853	75.674	40.270	0.240
17.0	146.912	104.112	76.477	40.510	0.244
15.0	148.215	105.012	77.042	40.676	0.247
13.0	149.547	105.835	77.536	40.819	0.249
11.0	150.522	106.573	77.959	41.277	0.250
9.0	151.384	107.143	78.311	41.263	0.252

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

7.0	152.074	107.592	78.591	41.249	0.253
5.0	152.610	107.929	79.027	41.235	0.254
3.0	153.190	108.272	79.016	41.221	0.255
1.0	153.330	108.291	79.005	41.207	0.255
0.0	153.400	108.300	79.000	41.200	0.255
-1.0	153.330	108.263	78.995	41.200	0.255
-3.0	153.190	108.188	78.984	41.221	0.255
-5.0	152.589	107.789	78.973	41.235	0.254
-7.0	152.016	107.397	78.534	41.249	0.253
-9.0	151.398	106.893	78.251	41.263	0.252
-11.0	150.622	106.283	77.908	41.277	0.250
-13.0	149.742	105.554	77.506	40.831	0.249
-15.0	148.604	104.722	77.049	40.693	0.247
-17.0	147.439	103.866	76.538	40.535	0.244
-19.5	145.874	102.795	75.820	40.309	0.240
-22.5	144.100	101.498	74.654	39.995	0.236
-25.5	138.423	99.969	73.228	39.636	0.230
-29.0	130.636	98.042	71.362	39.163	0.223
-33.0	122.712	95.849	68.945	38.553	0.214
-37.5	115.594	92.730	65.964	37.905	0.202
-42.5	107.797	88.691	62.703	36.696	0.188
-47.5	100.687	83.923	59.074	35.504	0.172
-55.0	91.011	75.051	53.207	33.456	0.146
-65.0	76.187	60.313	45.475	30.168	0.108
-75.0	54.969	46.309	37.380	26.932	0.066
-85.0	35.195	31.140	26.858	11.229	0.022
-90.0	0.157	0.111	0.066	0.022	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16324.79

Total Field Lumens (one side of beam only) = 13345.3

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
75	0.20	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.37	0.45
65	0.29	0.59	0.58	0.58	0.58	0.57	0.56	0.55	0.55	0.67
55	0.40	0.80	0.79	0.79	0.78	0.78	0.77	0.75	0.74	0.91
47.5	0.38	0.76	0.75	0.75	0.74	0.73	0.72	0.71	0.70	0.85
42.5	0.32	0.63	0.62	0.61	0.60	0.59	0.57	0.56	0.54	0.66
37.5	0.42	0.83	0.82	0.80	0.78	0.77	0.74	0.72	0.69	0.82
33	0.59	1.17	1.14	1.11	1.07	1.02	0.96	0.89	0.83	0.95
29	0.83	1.64	1.59	1.54	1.47	1.39	1.29	1.18	1.07	1.18
25.5	2.30	4.27	3.78	3.23	2.59	2.06	1.73	1.50	1.34	1.47
22.5	6.95	13.06	11.75	10.04	7.97	5.89	4.09	2.69	1.82	1.70
19.5	15.53	30.01	28.04	25.02	21.24	16.95	12.43	8.34	5.07	3.44
17	20.69	40.48	38.36	35.06	30.95	26.19	20.81	15.25	9.97	6.72
15	22.40 *	43.81 *	41.56 *	38.21 *	34.12	29.48	24.40	19.09	13.54	9.90
13	29.06 *	56.64 *	53.38 *	48.80 *	43.41 *	37.47 *	31.31	25.22	18.96	15.10
11	38.88 *	75.12 *	69.77 *	62.45 *	54.29 *	46.21 *	38.49 *	31.17	24.12	20.58
9	55.12 *	105.05 *	94.54 *	81.47 *	68.06 *	56.26 *	46.12 *	37.15 *	29.02	25.69
7	78.66 *	149.18 *	131.45 *	108.78 *	86.33 *	68.22 *	54.20 *	42.98 *	33.53 *	30.18
5	109.53 *	206.12 *	178.94 *	144.52 *	109.59 *	82.07 *	62.54 *	48.42 *	37.52 *	34.02
3	147.78 *	275.30 *	232.62 *	181.52 *	134.03 *	95.99 *	70.06 *	52.97 *	40.65 *	36.96
1	170.66 *	326.93 *	281.18 *	214.19 *	153.86 *	107.17 *	75.62 *	56.12 *	42.70 *	38.86
0	86.32 *	171.02 *	151.73 *	115.10 *	81.28 *	56.01 *	38.94 *	28.66 *	21.76 *	19.82
-1	86.24 *	171.37 *	152.97 *	116.44 *	82.05 *	56.41 *	39.13 *	28.74 *	21.81 *	19.85
-3	172.76 *	335.16 *	291.32 *	221.96 *	158.34 *	109.82 *	76.84 *	56.67 *	43.03 *	39.15
	156.16 *	294.93 *	248.64 *	192.34 *	140.81 *	100.04 *	71.92 *	53.80 *	41.16 *	37.50

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-5	119.90 *	227.17 *	194.74 *	156.06 *	117.34 *	86.35 *	64.49 *	49.41 *	38.18 *	34.77
-7	86.20 *	165.43 *	145.22 *	119.10 *	92.97 *	71.92 *	56.12 *	44.14 *	34.33 *	31.08
-9	60.12 *	116.30 *	104.14 *	88.47 *	72.58 *	59.13 *	47.96 *	38.39 *	29.94	26.65
-11	41.42 *	81.06 *	74.93 *	66.55 *	57.27 *	48.40 *	40.14 *	32.49	25.25	21.71
-13	30.32 *	59.82 *	56.47 *	51.51 *	45.60 *	39.23 *	32.81	26.62	20.32	16.49
-15	23.19 *	45.87 *	43.67 *	40.31 *	36.04 *	31.14	25.88	20.51	14.95	11.27
-17	21.53	42.54	40.49	37.37	33.32	28.33	22.75	16.95	11.41	7.93
-19.5	16.42	32.33	30.51	27.64	23.89	19.29	14.37	9.77	6.01	4.07
-22.5	7.63	14.92	13.76	11.93	9.66	7.23	5.00	3.25	2.10	1.85
-25.5	2.62	5.13	4.67	3.99	3.20	2.48	1.97	1.63	1.43	1.57
-29	0.88	1.76	1.74	1.67	1.60	1.50	1.39	1.27	1.15	1.26
-33	0.62	1.24	1.23	1.19	1.15	1.09	1.02	0.95	0.87	0.98
-37.5	0.43	0.86	0.85	0.83	0.81	0.78	0.76	0.74	0.71	0.84
-42.5	0.32	0.64	0.64	0.63	0.62	0.61	0.59	0.58	0.56	0.68
-47.5	0.39	0.78	0.78	0.77	0.77	0.76	0.75	0.73	0.72	0.88
-55	0.41	0.81	0.81	0.81	0.80	0.79	0.78	0.77	0.76	0.93
-65	0.29	0.59	0.59	0.59	0.58	0.58	0.57	0.56	0.55	0.68
-75	0.20	0.40	0.39	0.39	0.39	0.39	0.38	0.38	0.37	0.46
-85	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
-90										
Total	1615.43	3103.01	2732.48	2215.66	1714.08	1302.61	992.48	763.81	581.24	511.68

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.10	0.09	0.10	0.11	0.12	0.12	0.11	0.13	0.13	0.08
85	0.52	0.50	0.56	0.61	0.63	0.63	0.55	0.67	0.63	0.37
75	0.78	0.75	0.84	0.90	0.93	0.93	0.81	0.99	0.90	0.49
65	1.06	1.01	1.11	1.17	1.20	1.19	1.04	1.26	1.15	0.61
55	0.99	0.94	1.03	1.09	1.11	1.08	0.91	1.09	1.00	0.53
47.5	0.76	0.72	0.79	0.84	0.85	0.83	0.69	0.80	0.72	0.38

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

42.5	0.92	0.84	0.89	0.92	0.92	0.90	0.77	0.88	0.77	0.40
37.5	1.03	0.93	0.96	0.93	0.90	0.87	0.74	0.85	0.73	0.38
33	1.21	1.02	1.02	0.98	0.89	0.82	0.69	0.80	0.68	0.35
29	1.47	1.16	1.07	0.99	0.88	0.76	0.63	0.73	0.62	0.31
25.5	1.65	1.31	1.14	0.96	0.83	0.70	0.56	0.65	0.55	0.27
22.5	2.29	1.62	1.41	1.12	0.91	0.76	0.57	0.66	0.56	0.28
19.5	3.44	1.68	1.40	1.09	0.83	0.67	0.49	0.56	0.47	0.23
17	5.06	1.83	1.28	0.99	0.72	0.56	0.40	0.46	0.38	0.19
15	8.39	2.79	1.45	1.09	0.77	0.57	0.41	0.46	0.39	0.19
13	12.50	4.26	1.73	1.18	0.82	0.59	0.42	0.47	0.39	0.19
11	16.77	6.06	2.12	1.27	0.88	0.60	0.43	0.47	0.39	0.19
9	20.73	8.04	2.68	1.35	0.92	0.62	0.44	0.47	0.39	0.19
7	24.20	9.99	3.31	1.42	0.96	0.64	0.45	0.48	0.40	0.19
5	26.91	11.62	3.89	1.48	0.99	0.65	0.45	0.48	0.40	0.19
3	28.60	12.71	4.32	1.52	1.01	0.66	0.46	0.48	0.40	0.19
1	14.64	6.57	2.24	0.77	0.51	0.33	0.23	0.24	0.20	0.10
0	14.67	6.58	2.25	0.77	0.51	0.33	0.23	0.24	0.20	0.10
-1	28.84	12.83	4.36	1.52	1.01	0.66	0.46	0.48	0.40	0.19
-3	27.40	11.87	3.97	1.49	1.00	0.65	0.46	0.48	0.40	0.19
-5	25.00	10.43	3.44	1.44	0.97	0.64	0.45	0.48	0.40	0.19
-7	21.71	8.57	2.83	1.37	0.94	0.63	0.44	0.48	0.39	0.19
-9	17.71	6.54	2.24	1.30	0.90	0.61	0.44	0.47	0.39	0.19
-11	13.41	4.64	1.81	1.21	0.85	0.60	0.43	0.47	0.39	0.19
-13	9.30	3.07	1.51	1.12	0.79	0.58	0.42	0.46	0.39	0.19
-15	5.82	2.00	1.32	1.02	0.74	0.56	0.41	0.46	0.38	0.19
-17	3.99	1.79	1.46	1.13	0.85	0.67	0.50	0.57	0.48	0.23
-19.5	2.55	1.71	1.48	1.16	0.92	0.76	0.58	0.67	0.56	0.28
-22.5	1.75	1.38	1.20	0.99	0.84	0.71	0.56	0.65	0.55	0.27

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-25.5	1.57	1.24	1.12	1.01	0.89	0.78	0.63	0.73	0.62	0.31
-29	1.28	1.06	1.04	1.00	0.91	0.83	0.70	0.80	0.68	0.35
-33	1.06	0.95	0.97	0.96	0.93	0.88	0.75	0.86	0.73	0.38
-37.5	0.93	0.86	0.91	0.94	0.94	0.92	0.78	0.89	0.77	0.40
-42.5	0.78	0.74	0.81	0.85	0.87	0.85	0.70	0.81	0.72	0.38
-47.5	1.01	0.97	1.06	1.11	1.13	1.10	0.92	1.10	1.00	0.53
-55	1.07	1.03	1.13	1.19	1.21	1.20	1.04	1.27	1.15	0.61
-65	0.79	0.76	0.85	0.91	0.94	0.94	0.82	1.00	0.90	0.49
-75	0.53	0.51	0.57	0.61	0.64	0.64	0.56	0.68	0.64	0.37
-85	0.10	0.09	0.11	0.11	0.12	0.12	0.11	0.13	0.13	0.08
-90										
Total	355.29	156.08	71.78	45.96	37.49	31.16	24.64	28.29	24.50	12.63

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90	0.03	0.00		1.78
85	0.13	0.01		9.50
75	0.18	0.01		14.05
65	0.21	0.01		18.52
55	0.18	0.01		17.04
47.5	0.13	0.01		13.21
42.5	0.13	0.01		15.73
37.5	0.13	0.01		18.19
33	0.12	0.01		21.76
29	0.10	0.00		32.98
25.5	0.09	0.00		74.68
22.5	0.09	0.00		176.36
19.5	0.08	0.00		255.45
17	0.06	0.00		288.45
15	0.06	0.00		375.92

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

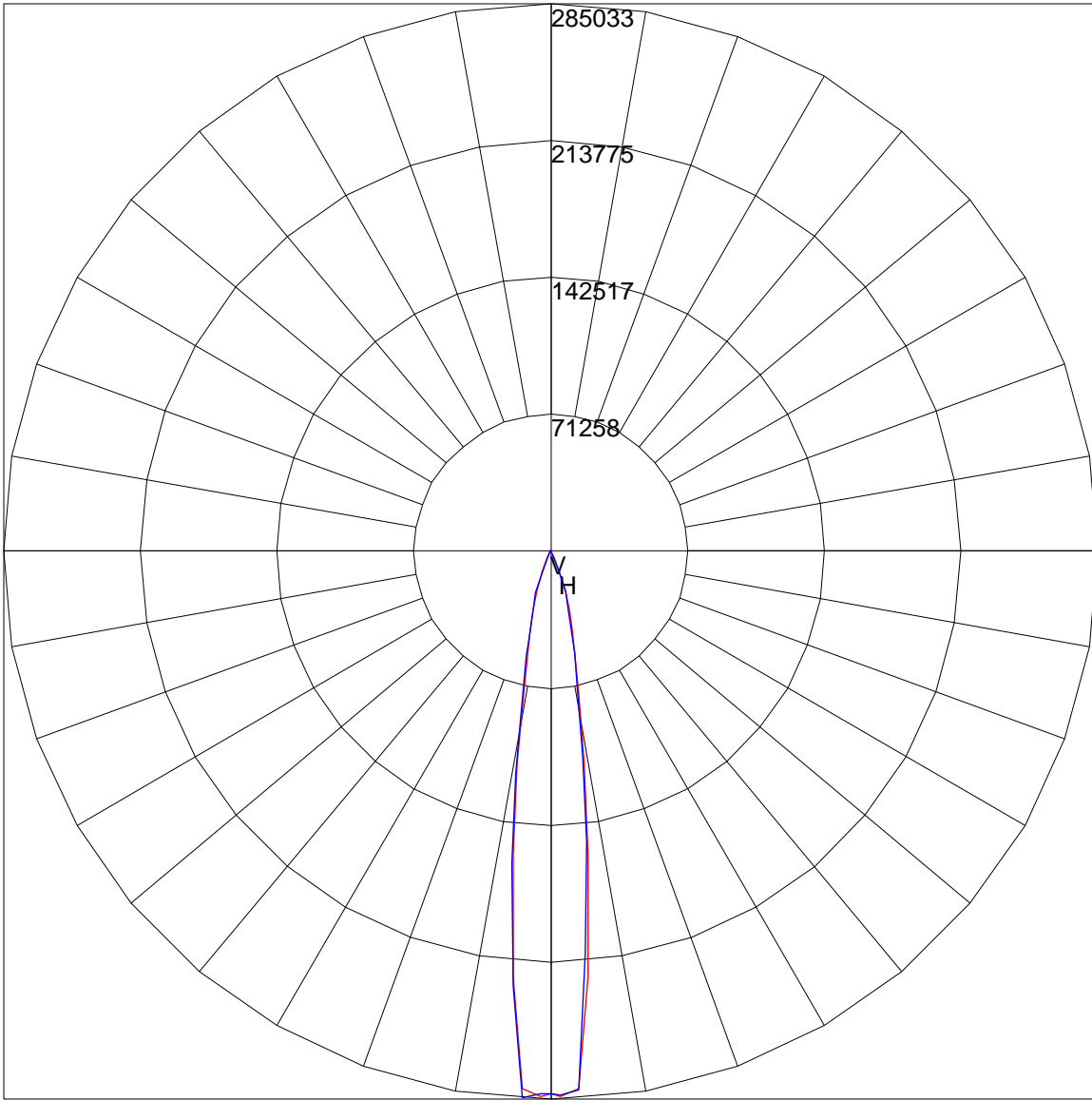
13			
	0.06	0.00	483.70
11			
	0.06	0.00	627.72
9			
	0.06	0.00	819.40
7			
	0.06	0.00	1055.36
5			
	0.06	0.00	1315.01
3			
	0.06	0.00	1517.72
1			
	0.03	0.00	796.51
0			
	0.03	0.00	800.94
-1			
	0.06	0.00	1555.88
-3			
	0.06	0.00	1385.27
-5			
	0.06	0.00	1131.93
-7			
	0.06	0.00	884.15
-9			
	0.06	0.00	674.54
-11			
	0.06	0.00	513.30
-13			
	0.06	0.00	397.09
-15			
	0.06	0.00	305.79
-17			
	0.08	0.00	274.35
-19.5			
	0.09	0.00	195.09
-22.5			
	0.09	0.00	86.35
-25.5			
	0.10	0.00	37.71
-29			
	0.12	0.01	23.00
-33			
	0.13	0.01	18.93
-37.5			
	0.13	0.01	16.07
-42.5			
	0.13	0.01	13.52
-47.5			
	0.18	0.01	17.43
-55			
	0.21	0.01	18.79
-65			
	0.18	0.01	14.17
-75			
	0.14	0.01	9.64

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-40-8-N3-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

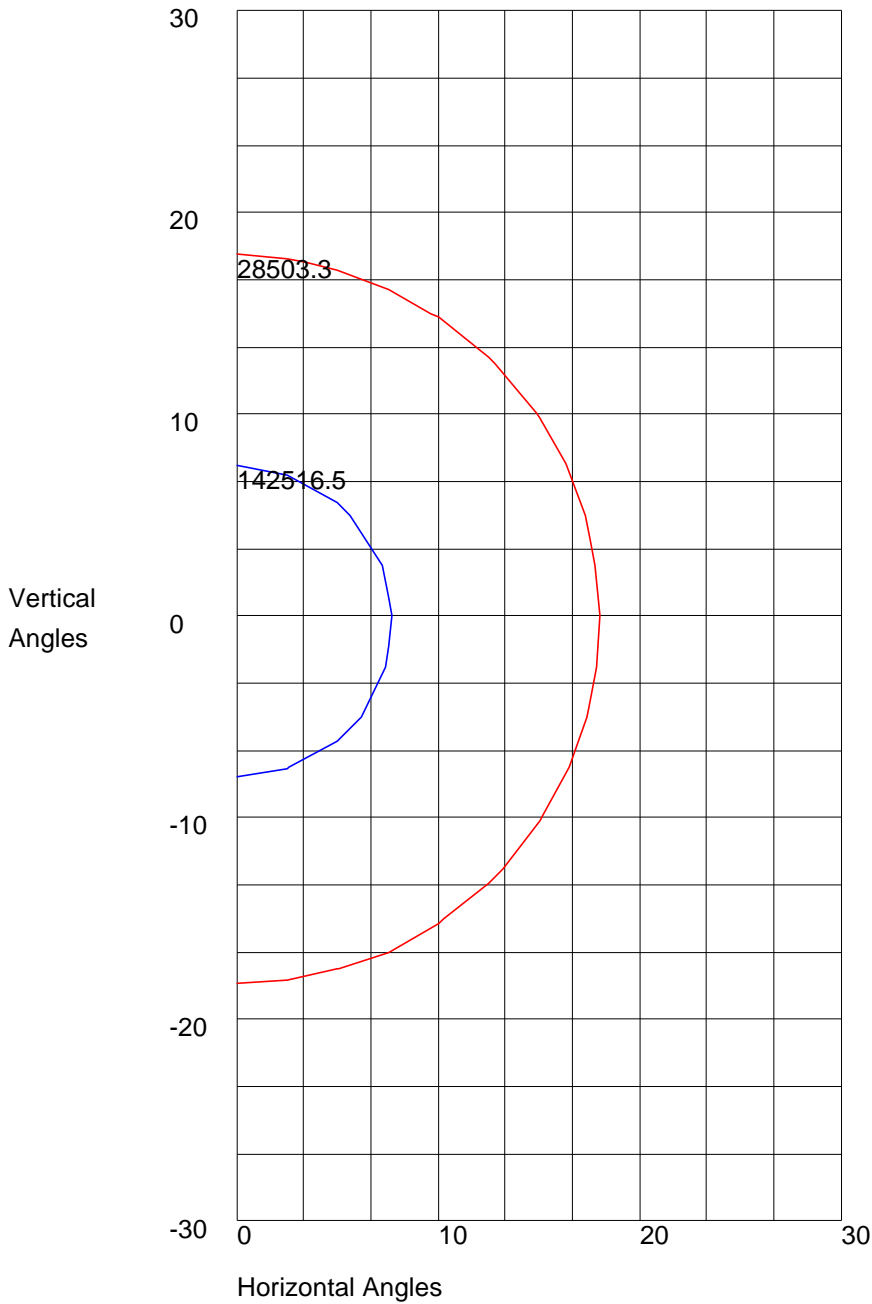
-85	0.03	0.00	1.81
-90			
Total	4.28	0.20	16324.79

AXIAL CANDELA DISPLAY



Maximum Candela = 285033 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 285033 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 142516.5
10% Maximum Candela = 28503.3