



**IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES**

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1231976
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 4/5/2016
 [MANUFAC] Eye Lighting International of North America
 [LUMCAT] FL4-40L-50-8-N4-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] 24.4 C, 120.01 V, 3.216 A, 383.8 W, 0.994 PF, 60 Hz
 [OTHER] This test was performed using the calibrated photodetector method of absolute photometry.
 [MORE] hod of absolute photometry.
 [OTHER] lumen values prorated based on test data

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

CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	157256.863
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	18.5
Vertical Beam Angle (50%)	20.7
Horizontal Field Angle (10%)	48.9
Vertical Field Angle (10%)	49.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	12926
Beam Efficiency	N.A.
Field Lumens	28633
Field Efficiency	N.A.
Spill Lumens	5144
Luminaire Lumens	33777
Total Efficiency	N.A.
Total Luminaire Watts	383.8
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.255	90	.278
85	47.235	85	49.587
75	87.904	75	92.804
65	133.571	65	138.275
55	190.997	55	201.875
47.5	287.966	47.5	312.711
42.5	446.38	42.5	648.157
37.5	733.611	37.5	823.132
33	3290.86	33	3262.342
29	8446.419	29	7570.418
25.5	14497.972	25.5	13816.986
22.5	19892.694	22.5	19799.841
19.5	26316.393	19.5	25548.973
17	33220.621	17	32200.565
15	41163.922	15	39955.121
13	52390.73	13	50662.836
11	68935.681	11	65670.398
9	97287.969	9	90645.986
7	137414.295	7	128628.804
5	156812.934	5	155432.147
3	155806.988	3	155855.497
1	153958.262	1	154178.756
0	153964.83	0	153964.83
-1	153958.262	-1	153861.244
-3	155806.988	-3	154880.42
-5	156812.934	-5	157256.863
-7	137414.295	-7	144631.823
-9	97287.969	-9	105869.824
-11	68935.681	-11	74562.408
-13	52390.73	-13	56400.01
-15	41163.922	-15	44397.745
-17	33220.621	-17	35624.113
-19.5	26316.393	-19.5	27972.504
-22.5	19892.694	-22.5	21366.334
-25.5	14497.972	-25.5	15135.005
-29	8446.419	-29	8826.748
-33	3290.86	-33	4224.876
-37.5	733.611	-37.5	927.009
-42.5	446.38	-42.5	668.834
-47.5	287.966	-47.5	329.419
-55	190.997	-55	215.399
-65	133.571	-65	150.23
-75	87.904	-75	99.664
-85	47.235	-85	56.055
-90	.255	-90	.328

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

CANDELA TABULATION

Maximum Candela = 157256.863
 Beam Edge = 78628.4315 Cd (50% of Max.)
 Field Edge = 15725.6863 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	0.067	0.112	0.155	0.189	0.209	0.226	0.241	0.255
85.0	0.022	11.047	26.702	30.432	34.679	38.463	40.369	42.292	43.502	44.994
75.0	0.066	26.300	40.001	55.293	65.989	72.087	75.442	79.245	81.190	84.071
65.0	0.108	29.085	56.003	71.818	87.315	96.215	103.616	109.131	114.621	119.271
55.0	0.146	32.926	64.577	86.250	107.667	124.237	134.667	145.605	152.699	159.635
47.5	0.172	35.899	70.697	95.326	125.131	146.199	162.986	175.504	187.012	198.353
42.5	0.188	37.852	75.176	102.741	136.481	165.231	179.794	196.103	215.608	236.440
37.5	0.202	39.918	77.565	109.736	146.450	178.061	198.634	225.318	259.024	304.589
33.0	0.214	41.414	79.744	114.178	158.718	189.724	225.202	267.153	329.128	489.579
29.0	0.223	42.791	81.455	118.708	166.797	203.638	250.890	310.062	495.871	564.683
25.5	0.230	43.845	82.724	121.900	171.821	216.023	272.457	397.696	574.709	658.678
22.5	0.235	44.634	83.641	124.156	175.416	227.168	290.334	500.875	607.891	953.360
19.5	0.240	45.318	84.298	126.894	177.629	238.066	312.401	548.755	699.425	1917.662
17.0	0.244	45.808	84.746	128.876	180.002	246.179	351.122	555.343	865.502	3150.411
15.0	0.246	46.147	85.156	130.080	182.236	253.478	389.444	558.638	1078.318	4206.852
13.0	0.248	46.440	85.587	130.940	184.402	259.483	429.706	574.202	1436.463	5183.703
11.0	0.250	47.347	86.025	131.719	185.858	263.872	442.700	593.857	1888.878	6043.219
9.0	0.252	47.327	86.457	132.424	187.201	269.370	449.969	621.351	2380.712	6759.715
7.0	0.253	47.307	86.866	132.961	188.310	276.076	447.872	650.822	2731.176	7328.003
5.0	0.254	47.286	87.484	133.332	189.487	282.629	442.885	683.478	3051.879	7818.101
3.0	0.254	47.266	87.652	133.708	190.709	286.001	444.909	713.081	3247.559	8177.163
1.0	0.255	47.245	87.820	133.617	190.901	287.719	446.592	729.843	3315.571	8425.283
0.0	0.255	47.235	87.904	133.571	190.997	287.966	446.380	733.611	3290.860	8446.419
-1.0	0.255	47.235	87.951	133.790	191.148	286.818	449.281	737.547	3339.799	8538.882
-3.0	0.254	47.302	88.046	134.229	191.449	283.435	453.109	735.644	3318.984	8489.377
-5.0	0.254	47.346	88.140	134.148	190.708	278.807	455.744	715.932	3184.177	8142.697
-7.0	0.253	47.391	87.703	134.033	190.002	274.851	459.828	687.696	2923.660	7646.305
-9.0	0.252	47.435	87.464	133.682	188.796	271.218	454.791	656.494	2618.139	7083.899
-11.0	0.250	47.479	87.152	133.042	187.198	267.567	434.841	625.611	2151.046	6477.342
-13.0	0.248	46.631	86.772	132.313	185.371	263.697	410.661	606.411	1702.303	5665.307
-15.0	0.246	46.382	86.328	131.337	183.574	258.665	377.201	591.550	1285.869	4697.988
-17.0	0.244	46.091	85.824	130.185	181.871	252.006	348.075	586.936	1014.169	3666.558
-19.5	0.240	45.671	85.120	128.443	179.321	244.674	321.676	566.814	788.810	2417.824
-22.5	0.235	45.084	84.225	125.976	176.592	234.382	301.487	497.043	656.241	1260.289
-25.5	0.230	44.409	83.207	123.983	173.423	223.588	284.033	391.747	606.629	769.543
-29.0	0.223	43.513	81.826	120.971	168.150	211.941	261.804	321.362	502.334	605.154
-33.0	0.214	42.350	80.337	116.699	162.412	196.562	234.636	281.030	338.618	514.593
-37.5	0.202	41.114	78.241	111.172	150.589	184.240	206.789	238.987	274.808	313.238
-42.5	0.188	38.781	75.382	104.801	139.272	170.800	185.749	204.878	227.175	251.339
-47.5	0.172	36.488	72.469	97.409	129.032	152.239	167.954	182.044	196.187	210.242
-55.0	0.146	33.137	66.888	89.246	111.838	129.537	140.245	151.590	160.126	168.562
-65.0	0.108	30.121	57.744	75.060	90.485	101.093	108.668	114.951	120.741	126.729
-75.0	0.066	26.727	41.674	58.413	69.231	76.525	80.754	83.658	86.665	89.565
-85.0	0.022	11.089	28.034	32.831	38.228	42.424	44.633	47.312	49.061	50.805
-90.0	0.000	0.022	0.070	0.122	0.168	0.205	0.225	0.251	0.270	0.275

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.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	0.266	0.273	0.277	0.278	0.278	0.280	0.283	0.286	0.289	0.293
85.0	45.441	46.294	47.203	48.075	48.807	49.181	49.979	50.093	50.329	50.567
75.0	85.331	86.690	88.141	89.272	90.065	90.997	92.002	92.841	93.310	93.966
65.0	122.765	125.139	128.544	131.227	133.008	134.486	135.799	137.052	138.420	139.668
55.0	166.179	171.523	176.586	181.101	184.648	187.713	190.415	193.022	195.455	197.758
47.5	210.282	221.923	232.900	243.012	251.329	261.063	269.971	279.299	288.051	296.796
42.5	258.451	286.486	324.156	370.687	421.317	478.776	515.113	551.643	590.863	612.378
37.5	406.013	443.643	469.343	507.902	546.124	588.993	630.458	673.726	717.795	753.169
33.0	520.653	557.204	647.457	804.170	968.367	1237.674	1627.971	2124.481	2490.575	2819.770
29.0	644.989	884.110	1620.018	2544.145	3297.102	4064.595	4912.453	5649.953	6285.338	6886.543
25.5	1178.714	2609.949	4579.156	5897.124	7185.609	8590.217	9833.574	10827.360	11873.085	12703.532
22.5	2701.555	5064.773	7333.907	9483.118	11310.673	13289.285	15051.601	16517.517	17705.044	18655.047 *
19.5	4904.408	7670.376	10719.316	13564.443	15787.590	17886.013	19686.677	21413.734	22863.132	23969.517 *
17.0	6761.736	9785.526	13626.563	16918.799	19318.340	21633.499	23923.106	26161.560	28234.822	29847.083 *
15.0	8040.166	11542.497	15799.125	19412.787	22313.222	25019.045	27773.977	30768.550	33864.575	36275.027 *
13.0	9252.401	13331.159	17888.069	21834.674	25033.869	28529.700	32398.065	36405.481	41158.088	44907.190 *
11.0	10473.506	15054.078	19871.108	24271.142	28047.502	32392.955	38013.558	44039.983	50502.828	56973.293 *
9.0	11637.547	16547.148	21702.605	26591.027	31239.041	36875.056	44284.472	53062.639	62379.280	72667.002 *
7.0	12643.076	17715.043	23302.436	28714.403	34385.813	41757.871	51122.339	63108.364	78141.210	97330.271 *
5.0	13462.194	18665.043	24581.798	30668.072	37117.262	45981.132	58521.353	74823.730	99503.533	130320.188 *
3.0	14077.480	19345.397	25495.878	32084.449	39492.375	49703.803	63905.156	86871.172	120532.398	149913.715 *
1.0	14428.121	19790.289	26132.566	33051.442	40993.300	52167.891	68304.932	95873.178	135583.530	18558.655 *
0.0	14497.972	19892.694	26316.393	33220.621	41163.922	52390.730	68935.681	97287.969	137414.295	18612.934 *
-1.0	14539.293	19915.649	26376.443	33480.091	41501.510	52777.096	69208.313	98036.093	138361.105	18802.405 *
-3.0	14401.632	19683.109	25952.216	32749.047	40496.000	51200.737	66459.102	92248.730	128615.604	153844.910 *
-5.0	13925.158	19172.560	25174.063	31475.456	38634.383	48479.534	62186.473	81139.998	11490.879	143448.169 *
-7.0	13160.087	18408.034	24175.437	29972.427	36207.786	44295.115	55085.941	69198.111	89146.898	114360.263 *
-9.0	12299.005	17434.273	22756.973	27869.505	32863.557	39553.733	48051.706	58504.035	70513.275	84605.742 *
-11.0	11281.858	16205.623	21016.101	25595.391	29852.528	34927.105	41263.380	48575.253	56672.690	64946.487 *
-13.0	10092.550	14574.892	19153.089	23205.594	26746.427	30540.132	35033.021	40446.333	45853.952	50884.992 *
-15.0	8761.721	12761.369	17167.148	20689.888	23891.001	26826.055	30218.648	33797.913	37247.116	40849.850 *
-17.0	7417.162	10967.825	14978.137	18258.624	20782.928	23489.269	26096.142	28482.130	31024.586	33255.644 *
-19.5	5659.500	8599.884	11950.363	15005.751	17381.557	19497.984	21533.269	23458.708	25203.069	26413.742 *
-22.5	3410.942	5904.346	8389.625	10921.610	13026.563	15076.844	16788.203	18249.630	19477.730	20245.386 *
-25.5	1633.223	3395.991	5469.868	7183.068	8625.109	10112.919	11499.018	12732.181	13820.604	14610.721
-29.0	770.143	1214.671	2301.728	3424.090	4314.930	5239.841	6182.394	7061.881	7830.140	8421.093
-33.0	567.806	630.591	778.350	1053.052	1369.232	1844.211	2430.944	3050.378	3497.213	3917.629
-37.5	420.004	486.218	532.622	579.694	622.682	672.826	723.760	783.571	839.454	891.033
-42.5	277.632	307.555	344.019	385.784	437.335	495.436	538.093	581.239	625.369	646.847
-47.5	224.010	236.910	251.269	263.516	274.074	284.120	292.842	301.999	310.868	319.547
-55.0	175.413	181.287	186.513	190.901	194.544	197.418	200.446	203.613	206.828	209.867
-65.0	130.823	133.371	136.580	138.982	140.739	142.478	144.302	145.979	146.781	147.258
-75.0	90.874	92.456	93.984	95.470	96.602	97.317	97.739	98.066	98.518	99.248
-85.0	51.703	52.440	53.042	53.862	54.563	54.806	55.585	55.660	55.856	56.053
-90.0	0.286	0.299	0.311	0.320	0.327	0.332	0.336	0.338	0.338	0.337

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	0.287	0.282	0.278	0.282	0.287	0.293	0.289	0.286	0.283	0.280
85.0	50.177	49.784	49.587	49.784	50.177	50.567	50.329	50.093	49.979	49.181
75.0	93.534	93.048	92.804	93.048	93.534	93.966	93.310	92.841	92.002	90.997
65.0	139.702	138.751	138.275	138.751	139.702	139.668	138.420	137.052	135.799	134.486

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

55.0	200.153	201.301	201.875	201.301	200.153	197.758	195.455	193.022	190.415	187.713
47.5	304.060	310.067	312.711	310.067	304.060	296.795	288.051	279.299	269.971	261.063
42.5	631.964	643.484	648.157	643.484	631.964	612.378	590.863	551.643	515.113	478.776
37.5	776.988	809.453	823.132	809.453	776.988	753.169	717.795	673.726	630.458	588.993
33.0	3042.494	3227.300	3262.342	3227.300	3042.495	2819.770	2490.575	2124.481	1627.971	1237.674
29.0	7220.951	7491.813	7570.418	7491.813	7220.951	6886.543	6285.338	5649.953	4912.453	4064.595
25.5	13198.95613621.49113816.98613621.49113198.95512703.53211873.08510827.3609833.575	8590.217								
22.5	19213.61519628.01919799.84119628.02019213.61518655.04717705.04416517.51715051.60113289.285									
19.5	24860.08825363.93425548.97325363.93424860.08823969.51622863.13221413.73419686.67717886.013	*								
17.0	31282.52132003.89332200.56532003.89331282.52129847.08328234.82226161.55923923.10521633.500	*								
15.0	38444.09639543.06939955.12139543.07038444.09636275.02733864.57530768.55027773.97625019.045	*								
13.0	48309.36549873.56250662.83649873.56048309.36544907.18941158.08836405.48232398.06528529.700	*								
11.0	61824.59364497.21265670.39864497.21261824.59356973.29350502.82944039.98338013.55832392.955	*								
9.0	82661.02788972.33190645.98688972.33182661.02772667.00262379.28053062.63944284.47136875.056	*								
7.0	115966.79927371.02428628.80427371.02515966.8097330.26778141.20863108.36351122.33941757.871	*								
5.0	148019.37955519.21955432.14755519.21948019.38030320.1899503.53574823.73158521.35345981.133	*								
3.0	157020.95656694.05655855.49756694.05657020.95649913.71720532.3986871.17163905.15649703.803	*								
1.0	156075.69854516.91954178.75654516.91956075.69856558.65535583.5295873.17968304.93052167.892	*								
0.0	155806.98853958.26253964.83053958.26255806.98856812.93437414.2957287.96968935.68152390.730	*								
-1.0	155501.68054036.74753861.24454036.74755501.68056802.40538361.1088036.09469208.31452777.096	*								
-3.0	156456.62854964.15354880.42054964.15356456.62853844.91028615.6082248.73366459.10251200.737	*								
-5.0	155345.34456977.99757256.86356977.99755345.34443448.16911490.8781139.99862186.47448479.534	*								
-7.0	134550.32745108.56144631.82345108.56134550.32714360.2689146.89869198.11155085.94144295.115	*								
-9.0	99159.112107407.92305869.82407407.9299159.11284605.74270513.27558504.03548051.70639553.733	*								
-11.0	71348.72375780.48074562.40875780.48071348.72364946.48756672.69048575.25341263.38034927.105	*								
-13.0	54853.85056962.83556400.01056962.83554853.85050884.99245853.95240446.33335033.02130540.132	*								
-15.0	43234.29044446.89844397.74544446.89843234.29040849.85037247.11633797.91330218.64826826.055	*								
-17.0	34711.98035569.60635624.11335569.60634711.98033255.64431024.58628482.13026096.14223489.269	*								
-19.5	27330.75627888.70327972.50427888.70327330.75626413.74225203.06923458.70821533.26919497.984	*								
-22.5	21099.05321382.12821366.33421382.12821099.05320425.38619477.73018249.63016788.20315076.844									
-25.5	15049.36815176.02515135.00515176.02515049.36814610.72113820.60412732.18111499.01810112.919									
-29.0	8743.076	8863.201	8826.748	8863.201	8743.076	8421.093	7830.140	7061.881	6182.394	5239.841
-33.0	4235.943	4284.419	4224.876	4284.419	4235.943	3917.629	3497.213	3050.378	2430.944	1844.211
-37.5	932.765	933.149	927.009	933.149	932.765	891.033	839.454	783.571	723.760	672.826
-42.5	664.635	668.622	668.834	668.622	664.635	646.847	625.369	581.239	538.093	495.436
-47.5	325.899	328.529	329.419	328.529	325.899	319.547	310.868	301.999	292.842	284.120
-55.0	212.888	214.562	215.399	214.562	212.888	209.867	206.828	203.613	200.446	197.418
-65.0	148.543	149.668	150.230	149.668	148.543	147.258	146.781	145.979	144.302	142.478
-75.0	99.421	99.583	99.664	99.583	99.421	99.248	98.518	98.066	97.739	97.317
-85.0	56.055	56.055	56.055	56.055	56.055	56.053	55.856	55.660	55.585	54.806
-90.0	0.334	0.330	0.328	0.330	0.334	0.337	0.338	0.338	0.336	0.332

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	0.278	0.278	0.277	0.273	0.266	0.255	0.241	0.226	0.209	0.189
85.0	48.807	48.075	47.203	46.294	45.441	44.994	43.502	42.292	40.369	38.463
75.0	90.065	89.272	88.141	86.690	85.331	84.071	81.190	79.245	75.442	72.087
65.0	133.008	131.227	128.544	125.139	122.765	119.271	114.621	109.131	103.616	96.215
55.0	184.648	181.101	176.586	171.523	166.179	159.635	152.699	145.605	134.667	124.237
47.5	251.329	243.012	232.900	221.923	210.282	198.353	187.012	175.504	162.986	146.199
42.5	421.317	370.687	324.156	286.486	258.451	236.440	215.608	196.103	179.794	165.231
37.5	546.124	507.902	469.343	443.643	406.013	304.589	259.024	225.318	198.634	178.061
33.0	968.367	804.170	647.457	557.204	520.653	489.579	329.128	267.153	225.202	189.724
29.0	3297.102	2544.145	1620.018	884.110	644.989	564.683	495.871	310.062	250.890	203.638
25.5	7185.609	5897.124	4579.157	2609.949	1178.714	658.678	574.709	397.696	272.457	216.023

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

22.5	11310.6729483.117	7333.907	5064.773	2701.555	953.360	607.891	500.875	290.334	227.168
19.5	15787.59013564.44410719.3157670.376	4904.408	1917.662	699.425	548.755	312.401	238.066		
17.0	19318.34016918.79913626.5639785.525	6761.736	3150.411	865.502	555.343	351.122	246.179		
15.0	22313.22219412.78715799.12511542.4978040.166	4206.852	1078.318	558.638	389.444	253.478			
13.0	25033.86921834.67417888.06913331.1599252.401	5183.703	1436.463	574.202	429.706	259.483			
11.0	28047.50224271.14219871.10815054.07810473.5066043.219	1888.878	593.857	442.700	263.872				
9.0	31239.04226591.02721702.60416547.1481637.5486759.716	2380.712	621.351	449.969	269.370				
7.0	34385.81328714.40323302.43617715.04312643.0767328.002	2731.176	650.822	447.872	276.076				
5.0	37117.26230668.07324581.79818665.04313462.1947818.101	3051.879	683.478	442.885	282.629				
3.0	39492.37632084.44925495.87819345.39714077.4798177.163	3247.559	713.081	444.909	286.001				
1.0	40993.30033051.44226132.56619790.28914428.1218425.283	3315.571	729.843	446.592	287.719				
0.0	41163.92233220.62126316.39319892.69414497.9728446.419	3290.860	733.611	446.380	287.966				
-1.0	41501.51033480.09226376.44319915.64914539.2938538.881	3339.799	737.546	449.281	286.818				
-3.0	40496.00032749.04725952.21619683.10914401.6328489.377	3318.985	735.644	453.109	283.435				
-5.0	38634.38231475.45625174.06319172.56013925.1588142.697	3184.177	715.932	455.744	278.807				
-7.0	36207.78629972.42724175.43618408.03413160.0877646.305	2923.659	687.696	459.828	274.851				
-9.0	32863.55727869.50522756.97317434.27312299.0057083.899	2618.139	656.494	454.791	271.218				
-11.0	29852.52825595.39121016.10116205.6241281.8586477.342	2151.045	625.611	434.841	267.567				
-13.0	26746.42723205.59419153.08914574.89210092.5505665.307	1702.303	606.411	410.661	263.697				
-15.0	23891.00120689.88817167.14812761.3698761.721	4697.988	1285.869	591.550	377.201	258.665			
-17.0	20782.92818258.62414978.13710967.8257417.162	3666.558	1014.169	586.936	348.075	252.006			
-19.5	17381.55715005.75111950.3638599.884	5659.500	2417.824	788.810	566.814	321.676	244.674		
-22.5	13026.56310921.6108389.625	5904.346	3410.942	1260.289	656.241	497.043	301.487	234.382	
-25.5	8625.109	7183.068	5469.868	3395.991	1633.223	769.543	606.629	391.747	284.033
-29.0	4314.930	3424.090	2301.728	1214.671	770.143	605.154	502.334	321.362	261.804
-33.0	1369.232	1053.052	778.350	630.591	567.806	514.593	338.618	281.030	234.636
-37.5	622.682	579.694	532.622	486.218	420.004	313.238	274.808	238.987	206.789
-42.5	437.335	385.784	344.019	307.555	277.632	251.339	227.175	204.878	185.749
-47.5	274.074	263.516	251.269	236.910	224.010	210.242	196.187	182.044	167.954
-55.0	194.544	190.901	186.513	181.287	175.413	168.562	160.126	151.590	140.245
-65.0	140.739	138.982	136.580	133.371	130.823	126.729	120.741	114.951	108.668
-75.0	96.602	95.470	93.984	92.456	90.874	89.565	86.665	83.658	80.754
-85.0	54.563	53.862	53.042	52.440	51.703	50.805	49.061	47.312	44.633
-90.0	0.327	0.320	0.311	0.299	0.286	0.275	0.270	0.251	0.225

Vert. Angles **Horizontal Angles**

	55.0	65.0	75.0	85.0	90.0
90.0	0.155	0.112	0.067	0.022	0.000
85.0	34.679	30.432	26.702	11.047	0.022
75.0	65.989	55.293	40.001	26.300	0.066
65.0	87.315	71.818	56.003	29.085	0.108
55.0	107.667	86.250	64.577	32.926	0.146
47.5	125.131	95.326	70.697	35.899	0.172
42.5	136.481	102.741	75.176	37.852	0.188
37.5	146.450	109.736	77.565	39.918	0.202
33.0	158.718	114.178	79.744	41.414	0.214
29.0	166.797	118.708	81.455	42.791	0.223
25.5	171.821	121.900	82.724	43.845	0.230
22.5	175.416	124.156	83.641	44.634	0.235
19.5	177.629	126.894	84.298	45.318	0.240
17.0	180.002	128.876	84.746	45.808	0.244
15.0	182.236	130.080	85.156	46.147	0.246
13.0	184.402	130.940	85.587	46.440	0.248
11.0	185.858	131.719	86.025	47.347	0.250
9.0	187.201	132.424	86.457	47.327	0.252

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

7.0	188.310	132.961	86.866	47.307	0.253
5.0	189.487	133.332	87.484	47.286	0.254
3.0	190.709	133.708	87.652	47.266	0.254
1.0	190.901	133.617	87.820	47.245	0.255
0.0	190.997	133.571	87.904	47.235	0.255
-1.0	191.148	133.790	87.951	47.235	0.255
-3.0	191.449	134.229	88.046	47.302	0.254
-5.0	190.708	134.148	88.140	47.346	0.254
-7.0	190.002	134.033	87.703	47.391	0.253
-9.0	188.796	133.682	87.464	47.435	0.252
-11.0	187.198	133.042	87.152	47.479	0.250
-13.0	185.371	132.313	86.772	46.631	0.248
-15.0	183.574	131.337	86.328	46.382	0.246
-17.0	181.871	130.185	85.824	46.091	0.244
-19.5	179.321	128.443	85.120	45.671	0.240
-22.5	176.592	125.976	84.225	45.084	0.235
-25.5	173.423	123.983	83.207	44.409	0.230
-29.0	168.150	120.971	81.826	43.513	0.223
-33.0	162.412	116.699	80.337	42.350	0.214
-37.5	150.589	111.172	78.241	41.114	0.202
-42.5	139.272	104.801	75.382	38.781	0.188
-47.5	129.032	97.409	72.469	36.488	0.172
-55.0	111.838	89.246	66.888	33.137	0.146
-65.0	90.485	75.060	57.744	30.121	0.108
-75.0	69.231	58.413	41.674	26.727	0.066
-85.0	38.228	32.831	28.034	11.089	0.022
-90.0	0.168	0.122	0.070	0.022	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 16888.26
 Total Field Lumens (one side of beam only) = 14316.28
 * 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	0.04	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.09
85	0.22	0.44	0.44	0.44	0.44	0.43	0.43	0.42	0.41	0.40	0.49
75	0.35	0.71	0.71	0.70	0.70	0.69	0.68	0.66	0.65	0.65	0.79
65	0.52	1.03	1.03	1.02	1.00	0.98	0.97	0.95	0.92	0.92	1.12
55	0.59	1.16	1.14	1.11	1.08	1.05	1.02	0.98	0.94	0.94	1.13
47.5	0.73	1.44	1.40	1.35	1.29	1.21	1.14	1.04	0.94	0.94	1.06
42.5	1.11	2.18	2.11	2.03	1.91	1.78	1.65	1.50	1.35	1.35	1.51
37.5	2.78	5.38	5.05	4.62	4.08	3.41	2.74	2.22	1.86	1.86	1.98
33	6.56	12.77	12.14	11.20	9.98	8.59	7.06	5.66	4.46	4.46	4.06
29	11.33	22.13	21.28	20.01	18.28	16.39	14.29	11.97	9.70	9.70	9.26
25.5	15.28 *	29.98 *	29.07 *	27.69	25.76	23.50	20.90	17.90	14.88	14.88	14.80
22.5	20.64 *	40.67 *	39.52 *	37.80 *	35.52 *	32.70 *	29.46 *	25.83	22.02	22.02	22.29
19.5	21.92 *	43.19 *	41.77 *	39.73 *	37.20 *	34.19 *	30.96 *	27.57 *	24.01 *	24.01 *	24.78
17	21.89 *	43.01 *	41.28 *	38.84 *	35.90 *	32.59 *	29.30 *	26.09 *	22.83 *	22.83 *	23.78 *
15	27.42 *	53.63 *	51.03 *	47.32 *	42.89 *	38.20 *	33.88 *	29.82 *	25.94 *	25.94 *	27.10 *
13	35.14 *	68.34 *	64.42 *	58.63 *	51.91 *	45.25 *	39.13 *	33.69 *	29.04 *	29.04 *	30.32 *
11	47.18 *	90.70 *	83.30 *	73.47 *	63.34 *	53.82 *	45.16 *	37.99 *	32.25 *	32.25 *	33.42 *
9	66.35 *	126.32 *	112.01 *	94.07 *	77.43 *	63.47 *	51.85 *	42.64 *	35.41 *	35.41 *	36.27 *
7	86.35 *	166.48 *	149.39 *	122.78 *	95.19 *	74.27 *	58.81 *	47.06 *	38.32 *	38.32 *	38.79 *
5	94.96 *	187.90 *	177.84 *	151.55 *	115.14 *	85.23 *	64.99 *	50.92 *	40.81 *	40.81 *	40.80 *
3	94.62 *	190.05 *	188.26 *	170.43 *	132.38 *	94.48 *	69.74 *	53.90 *	42.64 *	42.64 *	42.22 *
1	46.96 *	94.42 *	94.99 *	88.82 *	70.31 *	49.56 *	36.02 *	27.59 *	21.73 *	21.73 *	21.46 *
0	46.90 *	94.26 *	94.94 *	89.27 *	71.05 *	50.02 *	36.25 *	27.76 *	21.87 *	21.87 *	21.59 *
-1	94.08 *	189.03 *	189.18 *	174.98 *	137.93 *	97.78 *	71.40 *	54.97 *	43.40 *	43.40 *	42.87 *
-3	95.05 *	189.88 *	185.08 *	162.80 *	124.73 *	90.60 *	68.03 *	52.85 *	41.97 *	41.97 *	41.71 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-5	91.99 *	180.21 *	166.43 *	138.88 *	105.87 *	80.28 *	62.58 *	49.54 *	39.91 *	40.06 *
-7	76.61 *	148.02 *	131.47 *	108.64 *	86.68 *	69.25 *	55.71 *	45.20 *	37.16 *	37.89 *
-9	55.38 *	107.67 *	97.25 *	83.83 *	70.66 *	58.91 *	48.80 *	40.55 *	34.02 *	35.16 *
-11	40.16 *	78.83 *	73.54 *	66.15 *	57.78 *	49.59 *	42.24 *	36.08 *	30.86 *	32.17 *
-13	30.80 *	60.73 *	57.68 *	52.96 *	47.46 *	41.85 *	36.53 *	31.92 *	27.68 *	29.01 *
-15	24.37 *	48.09 *	46.20 *	43.13 *	39.38 *	35.58 *	31.77 *	28.07 *	24.48 *	25.71 *
-17	24.19 *	47.76 *	46.23 *	43.89 *	40.78 *	37.34 *	33.75 *	29.98 *	26.14 *	27.21
-19.5	22.53 *	44.61 *	43.42 *	41.59 *	39.09 *	36.01 *	32.58 *	28.81 *	24.74	25.09
-22.5	16.69 *	33.20 *	32.45 *	31.05 *	29.08 *	26.67	23.90	20.77	17.46	17.34
-25.5	12.79	25.48	24.90	23.69	21.88	19.67	17.22	14.63	12.07	11.63
-29	7.98	15.91	15.39	14.34	12.93	11.23	9.35	7.55	5.95	5.47
-33	3.55	7.11	6.82	6.23	5.55	4.72	3.80	3.00	2.39	2.39
-37.5	1.22	2.43	2.38	2.27	2.13	1.97	1.81	1.65	1.48	1.67
-42.5	0.76	1.51	1.49	1.44	1.37	1.29	1.20	1.10	1.00	1.13
-47.5	0.62	1.24	1.22	1.19	1.16	1.12	1.09	1.05	1.01	1.21
-55	0.56	1.10	1.09	1.08	1.06	1.04	1.02	1.00	0.97	1.18
-65	0.38	0.76	0.75	0.74	0.74	0.73	0.72	0.71	0.69	0.84
-75	0.24	0.47	0.47	0.47	0.46	0.46	0.46	0.45	0.44	0.54
-85	0.04	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.10
-90										
Total	1249.79	2460.4	2336.72	2082.38	1719.66	1378.03	1120.52	924.18	766.96	779.47

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.10	0.10	0.11	0.12	0.12	0.12	0.11	0.13	0.12	0.07
85	0.57	0.55	0.62	0.66	0.69	0.69	0.61	0.75	0.71	0.40
75	0.91	0.88	0.97	1.04	1.07	1.07	0.93	1.15	1.07	0.58
65	1.28	1.22	1.35	1.43	1.46	1.44	1.23	1.48	1.34	0.72
55	1.28	1.21	1.31	1.37	1.39	1.35	1.15	1.35	1.18	0.62
47.5	1.14	1.02	1.07	1.09	1.08	1.04	0.88	1.02	0.87	0.45

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

42.5										
	1.62	1.46	1.43	1.33	1.25	1.17	0.97	1.12	0.94	0.48
37.5										
	2.03	1.81	1.83	1.62	1.36	1.20	0.96	1.08	0.91	0.45
33										
	3.16	2.18	2.10	1.96	1.57	1.23	0.94	1.03	0.85	0.41
29										
	7.24	3.88	2.53	2.10	1.74	1.26	0.89	0.95	0.77	0.37
25.5										
	12.53	7.23	3.90	2.19	1.75	1.28	0.81	0.85	0.68	0.32
22.5										
	19.70	12.73	7.45	3.27	1.98	1.45	0.86	0.88	0.69	0.33
19.5										
	22.29	15.19	9.91	4.33	1.87	1.29	0.77	0.75	0.58	0.28
17										
	21.65	15.08	10.50	4.86	1.71	1.08	0.67	0.62	0.47	0.22
15										
	24.98	17.60	12.64	6.22	2.04	1.14	0.72	0.63	0.48	0.22
13										
	28.21 *	20.08	14.67	7.60	2.51	1.19	0.75	0.64	0.48	0.23
11										
	31.21 *	22.42	16.54	8.91	3.07	1.23	0.77	0.65	0.48	0.23
9										
	33.81 *	24.43	18.18	10.02	3.57	1.27	0.78	0.66	0.49	0.23
7										
	35.94 *	26.08	19.55	10.93	3.98	1.30	0.78	0.67	0.49	0.23
5										
	37.57 *	27.36 *	20.63	11.64	4.31	1.33	0.78	0.68	0.49	0.23
3										
	38.71 *	28.23 *	21.37	12.09	4.48	1.36	0.79	0.68	0.49	0.23
1										
	19.65 *	14.32 *	10.85	6.13	2.26	0.69	0.40	0.34	0.25	0.12
0										
	19.73 *	14.37 *	10.90	6.17	2.27	0.69	0.40	0.34	0.25	0.12
-1										
	39.21 *	28.61 *	21.78	12.37	4.55	1.39	0.79	0.68	0.49	0.23
-3										
	38.38 *	28.04 *	21.30	12.08	4.45	1.38	0.79	0.67	0.49	0.23
-5										
	37.08 *	26.99 *	20.32	11.43	4.20	1.35	0.79	0.67	0.49	0.23
-7										
	35.31 *	25.59	19.04	10.58	3.85	1.32	0.79	0.66	0.49	0.23
-9										
	33.02 *	23.88	17.60	9.57	3.39	1.27	0.77	0.65	0.49	0.23
-11										
	30.26 *	21.77	15.88	8.35	2.85	1.21	0.74	0.65	0.49	0.23
-13										
	27.15 *	19.28	13.84	6.97	2.34	1.16	0.71	0.64	0.48	0.23
-15										
	23.83	16.66	11.63	5.57	1.95	1.11	0.67	0.63	0.48	0.23
-17										
	24.79	17.03	11.35	5.15	2.07	1.33	0.78	0.77	0.59	0.28
-19.5										
	22.29	14.76	9.06	4.01	2.11	1.48	0.89	0.89	0.70	0.33
-22.5										
	14.82	8.98	5.03	2.58	1.81	1.29	0.84	0.87	0.68	0.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-25.5	9.24	5.12	3.13	2.27	1.78	1.28	0.92	0.97	0.78	0.37
-29	4.20	2.66	2.33	2.05	1.62	1.28	0.97	1.06	0.86	0.42
-33	2.33	1.98	1.94	1.69	1.43	1.26	1.00	1.12	0.93	0.45
-37.5	1.78	1.56	1.50	1.39	1.32	1.22	1.01	1.15	0.96	0.48
-42.5	1.22	1.09	1.14	1.16	1.13	1.08	0.91	1.06	0.89	0.46
-47.5	1.37	1.28	1.38	1.44	1.45	1.40	1.19	1.40	1.22	0.64
-55	1.36	1.30	1.43	1.50	1.53	1.50	1.29	1.55	1.39	0.75
-65	0.97	0.93	1.04	1.11	1.14	1.13	0.99	1.21	1.11	0.61
-75	0.62	0.60	0.67	0.72	0.75	0.75	0.66	0.81	0.76	0.42
-85	0.11	0.11	0.12	0.13	0.14	0.13	0.12	0.14	0.14	0.08
-90										
Total	714.67	507.63	371.92	209.19	93.37	51.18	35.56	36.67	30.01	14.96

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90	0.02	0.00		1.85
85	0.14	0.01		10.51
75	0.20	0.01		16.53
65	0.24	0.01		22.75
55	0.20	0.01		22.60
47.5	0.15	0.01		21.42
42.5	0.15	0.01		29.05
37.5	0.14	0.01		47.53
33	0.13	0.01		98.04
29	0.12	0.01		176.47
25.5	0.10	0.00		251.40
22.5	0.10	0.00		355.89
19.5	0.09	0.00		382.67
17	0.07	0.00		372.43
15	0.07	0.00		443.96

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

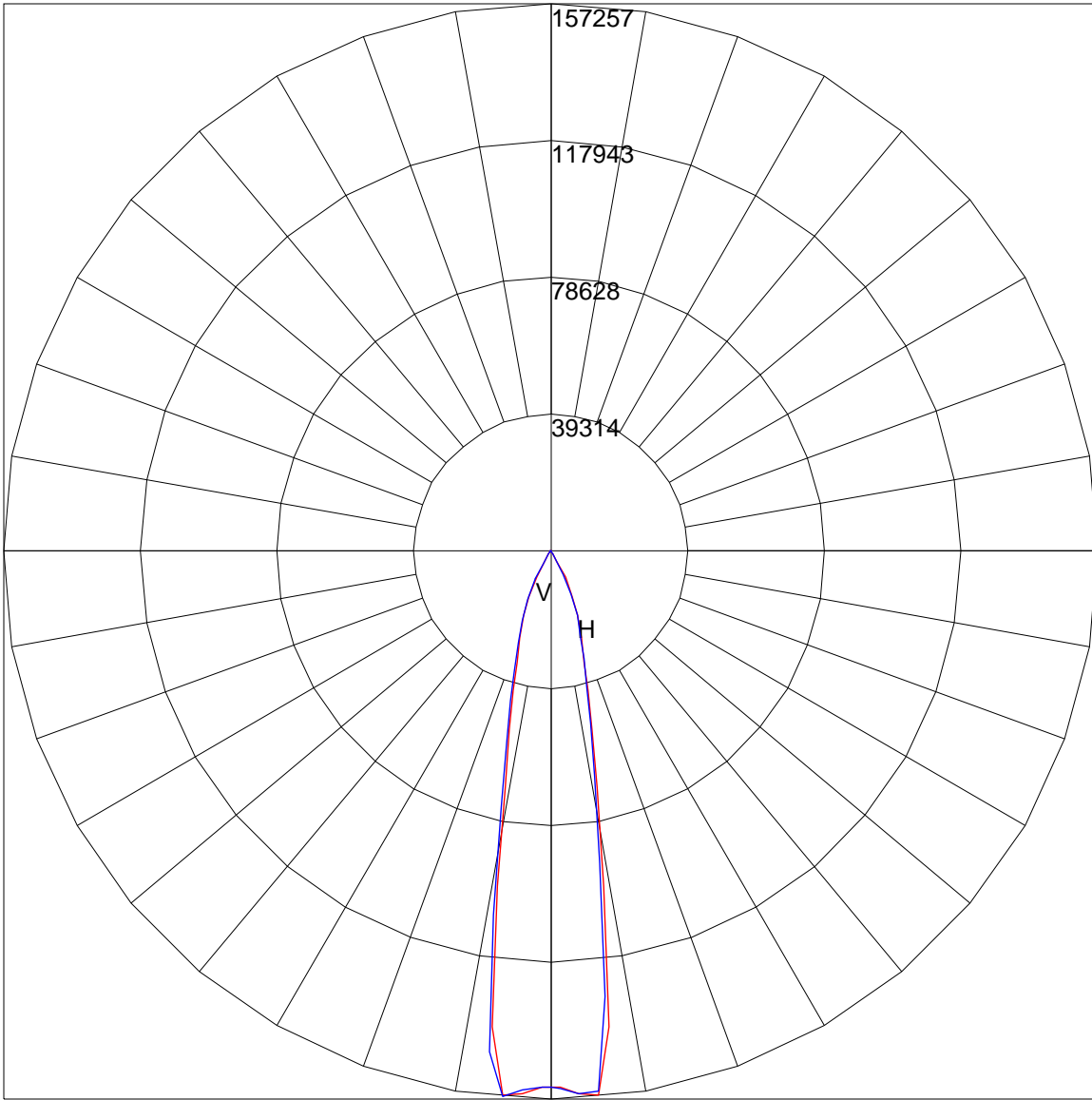
13			
	0.07	0.00	532.32
11			
	0.07	0.00	646.22
9			
	0.07	0.00	799.32
7			
	0.07	0.00	977.45
5			
	0.07	0.00	1115.23
3			
	0.07	0.00	1187.23
1			
	0.04	0.00	606.89
0			
	0.04	0.00	609.16
-1			
	0.07	0.00	1205.8
-3			
	0.07	0.00	1160.59
-5			
	0.07	0.00	1059.36
-7			
	0.07	0.00	894.55
-9			
	0.07	0.00	723.18
-11			
	0.07	0.00	589.89
-13			
	0.07	0.00	489.49
-15			
	0.07	0.00	409.59
-17			
	0.09	0.00	421.48
-19.5			
	0.10	0.00	395.10
-22.5			
	0.10	0.00	285.93
-25.5			
	0.12	0.01	209.97
-29			
	0.13	0.01	123.68
-33			
	0.14	0.01	59.83
-37.5			
	0.15	0.01	31.54
-42.5			
	0.15	0.01	22.57
-47.5			
	0.21	0.01	23.89
-55			
	0.25	0.01	23.96
-65			
	0.21	0.01	17.50
-75			
	0.14	0.01	11.35

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N4-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

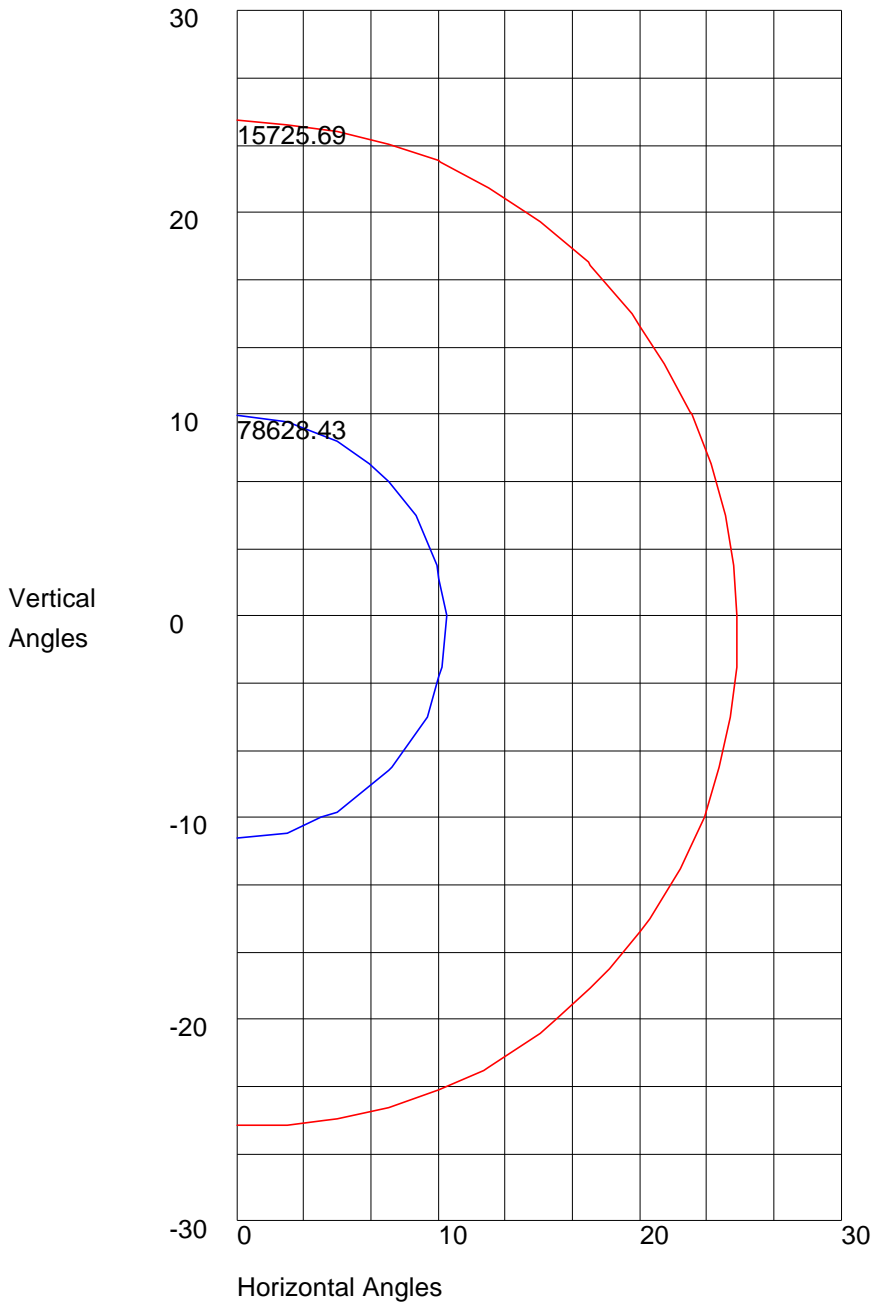
-85	0.03	0.00	2.06
-90			
Total	4.80	0.21	16888.27

AXIAL CANDELA DISPLAY



Maximum Candela = 157256.863 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 157256.863 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 78628.4315
10% Maximum Candela = 15725.6863