



**IES FLOOD REPORT  
PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 1231981  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 4/5/2016  
 [MANUFAC] Eye Lighting International of North America  
 [LUMCAT] FL4-40L-40-8-N2-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] 24.7 C, 120.113 V, 3.25685 A, 389.153 W, 0.994796 PF, 59.9996  
 [MORE] 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	2 H x 2 V
Maximum Candela	771023.188
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	8.5
Vertical Beam Angle (50%)	8.4
Horizontal Field Angle (10%)	18.6
Vertical Field Angle (10%)	18.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	9116
Beam Efficiency	N.A.
Field Lumens	20402
Field Efficiency	N.A.
Spill Lumens	12125
Luminaire Lumens	32527
Total Efficiency	N.A.
Total Luminaire Watts	389.153
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	.25	90	.295
85	40.6	85	46.1
75	75.8	75	79.1
65	106	65	107.6
55	146.3	55	146.6
47.5	174.35	47.5	172.65
42.5	217.45	42.5	210.7
37.5	289.2	37.5	286.15
33	500.9	33	490.9
29	696	29	681.3
25.5	2218.35	25.5	2018.95
22.5	10656.6	22.5	10685.75
19.5	16799.95	19.5	16749.5
17	20682.199	17	20506.199
15	25871	15	25369.4
13	35013	13	33748.102
11	51790.898	11	48999.898
9	81340.602	9	76770.398
7	144775.5	7	136822
5	285478.5	5	264195
3	549016	3	507790
1	757825	1	757682
0	771023.188	0	771023.188
-1	757825	-1	764632
-3	549016	-3	571709
-5	285478.5	-5	299070
-7	144775.5	-7	155969
-9	81340.602	-9	85390.797
-11	51790.898	-11	53727.602
-13	35013	-13	36280.301
-15	25871	-15	26519.801
-17	20682.199	-17	21028.4
-19.5	16799.95	-19.5	16925
-22.5	10656.6	-22.5	11612
-25.5	2218.35	-25.5	2451.8
-29	696	-29	676.6
-33	500.9	-33	487.1
-37.5	289.2	-37.5	287.85
-42.5	217.45	-42.5	212.35
-47.5	174.35	-47.5	171.2
-55	146.3	-55	146.5
-65	106	-65	106.8
-75	75.8	-75	79
-85	40.6	-85	45.5
-90	.25	-90	.304

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**CANDELA TABULATION**

Maximum Candela = 771023.188  
 Beam Edge = 385511.594 Cd (50% of Max.)  
 Field Edge = 77102.3188 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	0.065	0.107	0.149	0.181	0.200	0.217	0.232	0.242
85.0	0.022	10.837	26.329	30.410	34.177	37.307	38.747	40.231	41.454	42.323
75.0	0.065	26.336	37.062	45.376	52.966	58.825	62.554	66.075	68.834	70.901
65.0	0.106	30.247	44.758	58.571	72.441	82.161	87.770	91.798	95.177	97.606
55.0	0.143	33.309	52.032	71.856	88.485	97.877	104.690	110.696	115.151	120.289
47.5	0.169	35.201	57.483	80.822	97.320	110.553	119.402	133.724	142.905	149.317
42.5	0.184	36.294	60.508	85.757	104.046	119.353	135.828	148.081	155.026	161.990
37.5	0.198	37.400	63.605	89.807	110.482	133.310	148.002	157.551	167.357	179.049
33.0	0.210	38.035	66.365	93.207	114.988	142.729	154.840	167.529	183.436	205.925
29.0	0.219	38.626	68.505	95.539	121.098	148.906	161.605	179.134	205.940	243.970
25.5	0.226	39.082	70.086	97.427	128.121	153.129	168.217	191.791	236.243	272.079
22.5	0.231	39.427	71.332	98.898	132.200	156.352	174.020	206.924	253.113	333.725
19.5	0.236	39.728	72.457	100.507	135.035	159.114	179.777	226.017	276.790	411.868
17.0	0.239	39.945	73.283	101.644	137.292	161.184	184.899	238.977	310.746	467.543
15.0	0.242	40.097	73.858	102.410	139.031	163.258	189.223	245.159	348.245	510.872
13.0	0.244	40.228	74.355	103.109	140.763	165.277	194.324	252.770	387.495	548.577
11.0	0.245	40.638	74.776	103.722	141.964	167.205	198.480	259.866	418.784	582.039
9.0	0.247	40.631	75.121	104.340	143.006	169.145	202.961	266.514	447.415	612.588
7.0	0.248	40.624	75.394	104.871	143.839	170.787	207.347	272.678	464.989	640.171
5.0	0.249	40.617	75.800	105.307	144.787	172.144	211.404	278.597	481.011	664.334
3.0	0.250	40.611	75.800	105.748	145.754	173.263	214.615	284.275	492.180	683.112
1.0	0.250	40.604	75.800	105.916	146.118	174.060	216.774	288.167	499.822	694.593
0.0	0.250	40.600	75.800	106.000	146.300	174.350	217.450	289.200	500.900	696.000
-1.0	0.250	40.600	75.816	105.925	146.188	174.133	217.409	289.095	500.623	695.459
-3.0	0.250	40.631	75.848	105.776	145.964	173.490	216.567	286.813	494.509	685.872
-5.0	0.249	40.652	75.880	105.359	145.146	172.546	214.690	281.524	483.552	669.242
-7.0	0.248	40.673	75.502	104.949	144.355	171.308	211.721	274.981	467.319	644.882
-9.0	0.247	40.694	75.256	104.451	143.554	169.767	207.440	268.452	449.048	616.805
-11.0	0.245	40.715	74.935	103.877	142.586	168.092	201.862	261.441	422.478	587.105
-13.0	0.244	40.318	74.535	103.329	141.521	166.337	196.169	256.478	394.177	554.674
-15.0	0.242	40.200	74.054	102.683	139.797	164.312	190.829	252.176	358.224	519.115
-17.0	0.239	40.062	73.491	101.920	138.042	162.133	186.123	244.997	320.475	479.196
-19.5	0.236	39.862	72.672	100.829	135.828	159.766	180.873	232.239	282.512	423.118
-22.5	0.231	39.580	71.588	99.402	133.000	157.126	175.007	213.840	257.853	351.994
-25.5	0.226	39.255	70.385	97.740	129.138	154.062	169.045	194.506	242.924	280.726
-29.0	0.219	38.820	68.808	95.807	122.779	150.317	162.545	181.300	213.209	251.100
-33.0	0.210	38.253	66.677	93.581	116.493	143.950	155.791	168.786	186.275	212.445
-37.5	0.198	37.644	64.059	90.408	111.485	134.696	149.164	158.387	168.551	181.778
-42.5	0.184	36.565	61.082	86.467	105.450	121.522	137.760	148.829	155.894	163.208
-47.5	0.169	35.497	57.703	81.395	98.755	111.799	122.266	134.938	144.092	151.000
-55.0	0.143	33.636	52.083	72.461	88.974	98.912	105.713	111.659	116.310	123.167
-65.0	0.106	30.609	44.710	59.149	73.293	83.138	88.384	92.519	95.878	98.703
-75.0	0.065	26.859	37.288	45.546	53.539	60.289	64.003	67.357	70.431	72.747
-85.0	0.022	11.098	26.847	31.459	35.890	38.533	40.238	41.935	42.943	43.677
-90.0	0.000	0.022	0.066	0.113	0.158	0.194	0.217	0.237	0.254	0.268

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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	0.252	0.259	0.264	0.268	0.271	0.273	0.275	0.276	0.277	0.277
85.0	43.003	43.495	43.924	44.226	44.454	44.414	44.604	44.500	44.500	44.500
75.0	72.548	73.854	74.961	75.722	76.268	76.648	76.900	77.081	77.229	77.511
65.0	99.475	101.018	102.437	103.283	103.808	104.433	104.995	105.413	105.739	105.943
55.0	126.933	131.419	134.187	136.556	138.385	140.141	141.521	142.840	143.732	144.179
47.5	154.181	157.797	160.119	162.261	163.774	165.319	166.774	167.959	168.856	169.606
42.5	169.260	175.618	181.065	185.592	188.505	192.209	195.668	199.161	201.857	204.344
37.5	190.881	205.033	221.203	233.562	241.595	249.824	258.082	263.308	268.395	273.554
33.0	232.617	253.519	273.239	306.503	340.941	374.223	401.775	429.424	445.275	459.934
29.0	270.807	332.302	407.143	464.937	506.979	543.673	574.378	600.485	623.164	640.588
25.5	361.579	449.486	530.878	592.769	644.753	707.277	779.364	858.945	1008.232	1166.377
22.5	449.388	543.075	636.735	750.199	904.151	1320.046	2370.606	4187.372	6209.869	8000.968
19.5	530.895	636.064	818.254	1590.407	3740.630	7043.104	10464.12213032.78414719.73915683.402			
17.0	594.445	751.578	1622.723	5309.635	9780.897	13477.98415548.39916758.44017861.97618853.306				
15.0	650.749	954.497	3908.452	9780.111	14232.67516138.34317665.76019299.03221010.57922450.405					
13.0	720.266	1582.117	7462.406	13513.07216134.74918037.34120170.68522722.85125666.08128324.298						
11.0	804.879	2912.052	10947.95715676.47817795.88420243.49123511.56827721.67632973.40838965.372							
9.0	915.960	4831.995	13418.10716982.87919641.57123059.71727905.62735138.06044564.39055793.738							
7.0	1176.858	6943.703	14977.76418137.56621464.07526251.58733712.97245559.49962052.88183519.901 *							
5.0	1464.740	8834.655	15919.39819249.97623187.61929461.64240866.32658350.93086462.359132507.905 *							
3.0	1904.307	9960.513	16489.75420151.63324855.59433025.61047539.75971557.156115709.18202867.890 *							
1.0	2162.316	10553.65016748.50420625.09125748.84234873.45451392.92980366.679141939.27279295.300 *								
0.0	2218.350	10656.60016799.95020682.19925871.00035013.00051790.89881340.602144775.50085478.500 *								
-1.0	2207.605	10614.17216773.42720718.92225994.35035431.12652617.93883088.923148938.57894697.820 *								
-3.0	2028.071	10185.55116561.95120327.93125313.49534029.35349345.68676150.498128734.99232421.236 *								
-5.0	1615.960	9310.997	16037.38919559.61023935.77930856.59743398.84563932.41299279.677159724.270 *							
-7.0	1321.264	7652.826	15237.88218468.27822022.90227345.42736260.76250900.43170873.137102335.616 *							
-9.0	1013.769	5746.526	13941.98817240.83120053.47624078.90930170.35938859.90651362.80666410.100							
-11.0	861.095	3557.991	11800.35816042.72918306.75021183.47125077.39030294.68037303.65744948.327							
-13.0	742.912	1976.098	8677.250	14387.61216677.24318753.26221209.90024381.64628171.07231817.791						
-15.0	667.344	1122.602	5230.148	11527.74615083.40916695.44018422.74220388.70422389.65524398.731						
-17.0	609.454	802.011	2488.665	7164.035	11530.44414587.95516241.00717526.23718760.03019927.882					
-19.5	546.397	664.876	963.562	2463.802	5427.258	9169.143	12510.78614520.38315694.36916383.704			
-22.5	467.917	562.043	670.217	817.537	1139.461	2155.364	4083.734	6538.911	8712.848	10527.167
-25.5	382.901	469.730	552.483	616.923	681.224	762.450	885.419	1057.207	1499.397	1878.313
-29.0	281.343	357.767	430.276	487.033	527.185	562.231	594.124	622.990	649.655	672.731
-33.0	242.028	259.570	288.196	329.318	366.691	399.177	425.169	451.733	467.638	481.640
-37.5	194.980	212.165	230.425	243.164	251.645	256.435	263.047	271.519	278.340	285.838
-42.5	171.840	178.879	183.936	187.877	192.126	197.181	201.738	206.018	209.712	213.497
-47.5	155.792	159.585	161.980	163.974	165.522	167.065	168.533	169.841	170.935	171.849
-55.0	131.060	133.855	136.755	139.091	141.142	143.196	144.084	144.899	145.614	146.076
-65.0	100.612	102.082	103.146	103.995	104.678	105.421	105.970	106.312	106.650	106.972
-75.0	74.486	75.765	77.016	77.707	78.143	78.467	78.733	78.952	79.119	79.407
-85.0	44.199	44.540	44.814	45.058	45.239	45.510	45.996	46.023	45.862	45.702
-90.0	0.279	0.287	0.294	0.299	0.304	0.306	0.308	0.310	0.310	0.311

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	0.284	0.292	0.295	0.292	0.284	0.277	0.277	0.276	0.275	0.273
85.0	45.136	45.779	46.100	45.779	45.136	44.500	44.500	44.500	44.604	44.414
75.0	78.106	78.769	79.100	78.769	78.106	77.511	77.229	77.081	76.900	76.648
65.0	106.673	107.291	107.600	107.291	106.673	105.943	105.739	105.413	104.995	104.433

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**CANDELA TABULATION - (Cont.)**

55.0	145.209	146.136	146.600	146.136	145.209	144.179	143.732	142.840	141.521	140.141
47.5	170.552	172.027	172.650	172.027	170.552	169.606	168.856	167.959	166.774	165.319
42.5	206.473	209.516	210.700	209.516	206.473	204.344	201.857	199.161	195.668	192.209
37.5	277.873	283.782	286.150	283.782	277.873	273.554	268.395	263.308	258.082	249.824
33.0	470.817	485.724	490.900	485.724	470.817	459.934	445.275	429.424	401.775	374.223
29.0	653.687	672.970	681.300	672.970	653.687	640.588	623.164	600.485	574.378	543.673
25.5	1491.454	1834.105	2018.950	1834.106	1491.454	1166.377	1008.232	858.945	779.364	707.277
22.5	9114.793	10146.410	10685.750	10146.412	9114.793	8000.968	6209.870	4187.372	2370.606	1320.046
19.5	16215.493	16573.258	16749.500	16573.259	16215.493	15683.402	14719.739	13032.784	10464.122	7043.104
17.0	19706.300	20254.943	20506.199	20254.943	19706.300	18853.306	17861.976	16758.440	15548.399	13477.984
15.0	23968.989	24925.701	25369.400	24925.702	23968.990	22450.405	21010.579	19299.032	17665.760	16138.343
13.0	31089.261	32972.605	33748.102	32972.604	31089.261	28324.297	25666.081	22722.851	20170.685	18037.341
11.0	43639.515	47268.509	48999.898	47268.509	43639.516	38965.373	332973.408	27721.676	23511.568	20243.490
9.0	65753.187	73297.099	76770.398	73297.099	65753.188	55793.739	44564.390	35138.060	27905.628	23059.718
7.0	108089.366	128065.441	136822.000	128065.441	108089.368	93519.899	72052.880	45559.500	33712.971	26251.587
5.0	192126.202	216846.662	224195.000	216846.670	192126.203	172507.905	13462.362	258350.931	140866.325	29461.642
3.0	337013.812	353185.506	367790.000	353185.508	337013.812	28678.961	15709.180	11557.155	47539.757	33025.610
1.0	507933.178	511674.778	51682.000	511674.778	507933.178	4295.303	1939.278	366.679	1392.929	34873.454
0.0	549016.000	57825.000	71023.188	57825.000	549016.000	85478.500	44775.508	1340.602	1790.898	35013.000
-1.0	541197.182	46628.696	4632.000	46628.696	541197.182	94697.812	48938.578	3088.922	2617.940	35431.125
-3.0	402743.995	79143.218	71709.006	79143.218	402743.995	32421.236	28734.996	150.500	49345.686	34029.353
-5.0	242813.473	20781.488	99070.008	20781.488	242813.471	59724.279	279279.677	63932.412	43398.845	30856.597
-7.0	136480.222	65751.323	5969.000	65751.323	136480.222	202335.616	10873.137	50900.431	36260.762	27345.427
-9.0	80564.855	89969.714	85390.797	89969.714	80564.855	66410.100	51362.806	38859.906	30170.359	24078.909
-11.0	51685.754	56092.746	53727.602	56092.746	51685.754	44948.327	37303.657	30294.680	25077.390	21183.471
-13.0	35355.592	37476.149	36280.301	37476.149	35355.592	31817.791	28171.072	24381.646	21209.900	18753.262
-15.0	26087.460	26997.452	26519.801	26997.452	26087.460	24398.731	22389.655	20388.704	18422.742	16695.440
-17.0	20791.490	21207.908	21028.400	21207.908	20791.490	19927.882	18760.030	17526.237	16241.007	14587.955
-19.5	16878.454	17020.462	16925.000	17020.462	16878.454	16383.704	15694.369	14520.383	12510.786	11691.143
-22.5	11501.570	11799.761	11612.000	11799.761	11501.570	10527.167	8712.848	6538.911	4083.734	2155.364
-25.5	2505.928	2613.640	2451.800	2613.640	2505.928	1878.313	1499.397	1057.207	885.419	762.450
-29.0	688.776	685.549	676.600	685.549	688.776	672.731	649.655	622.990	594.124	562.231
-33.0	491.733	490.918	487.100	490.918	491.733	481.640	467.638	451.733	425.169	399.177
-37.5	292.059	290.089	287.850	290.089	292.059	285.838	278.340	271.519	263.047	256.435
-42.5	215.410	213.698	212.350	213.698	215.410	213.497	209.712	206.018	201.738	197.181
-47.5	172.146	171.589	171.200	171.589	172.146	171.849	170.935	169.841	168.533	167.065
-55.0	146.573	146.524	146.500	146.524	146.573	146.076	145.614	144.899	144.084	143.196
-65.0	107.131	106.910	106.800	106.910	107.131	106.972	106.650	106.312	105.970	105.421
-75.0	79.248	79.083	79.000	79.083	79.248	79.407	79.119	78.952	78.733	78.467
-85.0	45.620	45.540	45.500	45.540	45.620	45.702	45.862	46.023	45.996	45.510
-90.0	0.308	0.306	0.304	0.306	0.308	0.311	0.310	0.310	0.308	0.306

**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	0.271	0.268	0.264	0.259	0.252	0.242	0.232	0.217	0.200	0.181
85.0	44.454	44.226	43.924	43.495	43.003	42.323	41.454	40.231	38.747	37.307
75.0	76.268	75.722	74.961	73.854	72.548	70.901	68.834	66.075	62.554	58.825
65.0	103.808	103.283	102.437	101.018	99.475	97.606	95.177	91.798	87.770	82.161
55.0	138.385	136.556	134.187	131.419	126.933	120.289	115.151	110.696	104.690	97.877
47.5	163.774	162.261	160.119	157.797	154.181	149.317	142.905	133.724	119.402	110.553
42.5	188.505	185.592	181.065	175.618	169.260	161.990	155.026	148.081	135.828	119.353
37.5	241.595	233.562	221.203	205.033	190.881	179.049	167.357	157.551	148.002	133.310
33.0	340.941	306.503	273.239	253.519	232.617	205.925	183.436	167.529	154.840	142.729
29.0	506.979	464.937	407.143	332.302	270.807	243.970	205.940	179.134	161.605	148.906
25.5	644.753	592.769	530.878	449.486	361.579	272.079	236.243	191.791	168.217	153.129

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**CANDELA TABULATION - (Cont.)**

22.5	904.151	750.199	636.735	543.075	449.388	333.725	253.113	206.924	174.020	156.352
19.5	3740.630	1590.408	818.254	636.064	530.895	411.868	276.790	226.017	179.777	159.114
17.0	9780.897	5309.635	1622.723	751.578	594.445	467.543	310.746	238.977	184.899	161.184
15.0	14232.6759780.111	3908.452	954.497	650.749	510.872	348.245	245.159	189.223	163.258	
13.0	16134.74913513.0727462.406	1582.117	720.266	548.577	387.495	252.770	194.324	165.277		
11.0	17795.88415676.47810947.9572912.052	804.879	582.039	418.784	259.866	198.480	167.205			
9.0	19641.57116982.87913418.1074831.994	915.960	612.588	447.415	266.514	202.961	169.145			
7.0	21464.07518137.56614977.7646943.703	1176.858	640.171	464.989	272.678	207.347	170.787			
5.0	23187.61919249.97715919.3988834.655	1464.740	664.334	481.011	278.597	211.404	172.144			
3.0	24855.59420151.63316489.7549960.513	1904.307	683.112	492.180	284.275	214.615	173.263			
1.0	25748.84220625.09116748.50410553.6502162.315	694.593	499.822	288.167	216.774	174.060				
0.0	25871.00020682.19916799.95010656.6002218.350	696.000	500.900	289.200	217.450	174.350				
-1.0	25994.35020718.92216773.42710614.1722207.605	695.459	500.623	289.095	217.409	174.133				
-3.0	25313.49520327.93116561.95110185.5512028.071	685.872	494.509	286.813	216.567	173.490				
-5.0	23935.77919559.61016037.3899310.997	1615.960	669.242	483.552	281.524	214.690	172.546			
-7.0	22022.90218468.27815237.8827652.826	1321.264	644.882	467.319	274.981	211.721	171.308			
-9.0	20053.47617240.83113941.9885746.526	1013.769	616.805	449.048	268.452	207.440	169.767			
-11.0	18306.75016042.72911800.3583557.991	861.095	587.105	422.478	261.441	201.862	168.092			
-13.0	16677.24314387.6128677.250	1976.098	742.912	554.674	394.177	256.478	196.169	166.337		
-15.0	15083.40911527.7465230.148	1122.602	667.344	519.115	358.224	252.176	190.829	164.312		
-17.0	11530.4447164.035	2488.665	802.011	609.454	479.196	320.475	244.997	186.123	162.133	
-19.5	5427.258	2463.802	963.562	664.876	546.397	423.118	282.512	232.239	180.873	159.766
-22.5	1139.461	817.537	670.217	562.043	467.917	351.994	257.853	213.840	175.007	157.126
-25.5	681.224	616.923	552.483	469.730	382.901	280.726	242.924	194.506	169.045	154.062
-29.0	527.185	487.033	430.276	357.767	281.343	251.100	213.209	181.300	162.545	150.317
-33.0	366.691	329.318	288.196	259.570	242.028	212.445	186.275	168.786	155.791	143.950
-37.5	251.645	243.164	230.425	212.165	194.980	181.778	168.551	158.387	149.164	134.696
-42.5	192.126	187.877	183.936	178.879	171.840	163.208	155.894	148.829	137.760	121.522
-47.5	165.522	163.974	161.980	159.585	155.792	151.000	144.092	134.938	122.266	111.799
-55.0	141.142	139.091	136.755	133.855	131.060	123.167	116.310	111.659	105.713	98.912
-65.0	104.678	103.995	103.146	102.082	100.612	98.703	95.878	92.519	88.384	83.138
-75.0	78.143	77.707	77.016	75.765	74.486	72.747	70.431	67.357	64.003	60.289
-85.0	45.239	45.058	44.814	44.540	44.199	43.677	42.943	41.935	40.238	38.533
-90.0	0.304	0.299	0.294	0.287	0.279	0.268	0.254	0.237	0.217	0.194

**Vert. Angles**      **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.149	0.107	0.065	0.022	0.000
85.0	34.177	30.410	26.329	10.837	0.022
75.0	52.966	45.376	37.062	26.336	0.065
65.0	72.441	58.571	44.758	30.247	0.106
55.0	88.485	71.856	52.032	33.309	0.143
47.5	97.320	80.822	57.483	35.201	0.169
42.5	104.046	85.757	60.508	36.294	0.184
37.5	110.482	89.807	63.605	37.400	0.198
33.0	114.988	93.207	66.365	38.035	0.210
29.0	121.098	95.539	68.505	38.626	0.219
25.5	128.121	97.427	70.086	39.082	0.226
22.5	132.200	98.898	71.332	39.427	0.231
19.5	135.035	100.507	72.457	39.728	0.236
17.0	137.292	101.644	73.283	39.945	0.239
15.0	139.031	102.410	73.858	40.097	0.242
13.0	140.763	103.109	74.355	40.228	0.244
11.0	141.964	103.722	74.776	40.638	0.245
9.0	143.006	104.340	75.121	40.631	0.247

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	143.839	104.871	75.394	40.624	0.248
<b>5.0</b>	144.787	105.307	75.800	40.617	0.249
<b>3.0</b>	145.754	105.748	75.800	40.611	0.250
<b>1.0</b>	146.118	105.916	75.800	40.604	0.250
<b>0.0</b>	146.300	106.000	75.800	40.600	0.250
<b>-1.0</b>	146.188	105.925	75.816	40.600	0.250
<b>-3.0</b>	145.964	105.776	75.848	40.631	0.250
<b>-5.0</b>	145.146	105.359	75.880	40.652	0.249
<b>-7.0</b>	144.355	104.949	75.502	40.673	0.248
<b>-9.0</b>	143.554	104.451	75.256	40.694	0.247
<b>-11.0</b>	142.586	103.877	74.935	40.715	0.245
<b>-13.0</b>	141.521	103.329	74.535	40.318	0.244
<b>-15.0</b>	139.797	102.683	74.054	40.200	0.242
<b>-17.0</b>	138.042	101.920	73.491	40.062	0.239
<b>-19.5</b>	135.828	100.829	72.672	39.862	0.236
<b>-22.5</b>	133.000	99.402	71.588	39.580	0.231
<b>-25.5</b>	129.138	97.740	70.385	39.255	0.226
<b>-29.0</b>	122.779	95.807	68.808	38.820	0.219
<b>-33.0</b>	116.493	93.581	66.677	38.253	0.210
<b>-37.5</b>	111.485	90.408	64.059	37.644	0.198
<b>-42.5</b>	105.450	86.467	61.082	36.565	0.184
<b>-47.5</b>	98.755	81.395	57.703	35.497	0.169
<b>-55.0</b>	88.974	72.461	52.083	33.636	0.143
<b>-65.0</b>	73.293	59.149	44.710	30.609	0.106
<b>-75.0</b>	53.539	45.546	37.288	26.859	0.065
<b>-85.0</b>	35.890	31.459	26.847	11.098	0.022
<b>-90.0</b>	0.158	0.113	0.066	0.022	0.000

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Luminaire Lumens (one side of beam only) = 16263.31  
 Total Field Lumens (one side of beam only) = 10201.01  
 \* 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	0.19	0.38	0.37	0.37	0.37	0.36	0.36	0.36	0.35	0.43
65	0.28	0.56	0.56	0.56	0.55	0.55	0.54	0.53	0.53	0.64
55	0.39	0.77	0.76	0.76	0.75	0.74	0.73	0.72	0.71	0.86
47.5	0.36	0.72	0.72	0.71	0.71	0.70	0.69	0.67	0.66	0.80
42.5	0.29	0.58	0.57	0.56	0.56	0.55	0.54	0.52	0.51	0.62
37.5	0.38	0.74	0.73	0.72	0.70	0.69	0.67	0.64	0.62	0.74
33	0.53	1.04	1.01	0.99	0.95	0.91	0.86	0.80	0.74	0.84
29	0.71	1.39	1.35	1.31	1.27	1.20	1.13	1.04	0.95	1.05
25.5	1.39	2.48	2.10	1.82	1.63	1.48	1.36	1.24	1.13	1.26
22.5	5.64	10.31	9.01	7.45	5.55	3.69	2.31	1.59	1.27	1.36
19.5	12.37	23.77	22.34	20.27	17.26	13.52	9.47	5.77	3.07	2.06
17	14.10	27.68	26.76	25.42	23.52	20.92	17.33	12.58	7.47	4.22
15	13.87	27.05	25.82	24.29	22.60	20.78	18.72	15.85	11.45	7.46
13	17.82	34.39	32.16	29.52	26.75	23.96	21.46	19.08	15.71	12.53
11	24.82	47.18	43.15	38.15	32.90	28.24	24.42	21.34	18.48	17.21
9	37.52	70.00	62.03	52.19	42.35	34.28	28.22	23.86	20.52	20.62
7	63.20 *	114.22 *	95.16 *	74.50	56.50	42.69	33.05	26.72	22.32	22.97
5	118.17 *	205.52 *	156.87 *	110.43 *	76.14	53.54	38.82	29.66	24.02	24.69
3	224.19 *	374.18 *	262.69 *	162.84 *	100.17 *	65.49	44.96	32.67	25.60	25.97
1	370.14 *	611.82 *	403.26 *	224.11 *	123.54 *	75.25	49.71	35.02	26.76	26.76
0	228.31 *	384.55 *	246.39 *	128.97 *	67.63 *	39.73	25.78	17.96	13.60	13.53
-1	231.51 *	394.93 *	253.78 *	132.37 *	69.10 *	40.32	26.05	18.07	13.65	13.56
-3	405.44 *	690.94 *	447.00 *	243.80 *	131.79 *	78.35	51.08	35.69	27.04	26.90
	269.68 *	470.47 *	315.32 *	187.87 *	111.03 *	69.84	46.97	33.73	26.10	26.21



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

<b>-5</b>	143.40 *	263.57 *	194.88 *	130.93 *	85.96	58.34	41.08	30.79	24.59	25.06
<b>-7</b>	75.71 *	143.92 *	117.23 *	88.15	63.95	46.85	35.11	27.63	22.78	23.46
<b>-9</b>	43.43	84.72	74.02	60.59	47.60	37.32	29.95	24.71	20.98	21.34
<b>-11</b>	27.96	54.98	49.77	43.09	36.24	30.29	25.69	22.14	19.15	18.41
<b>-13</b>	19.38	38.33	35.75	32.35	28.76	25.32	22.37	19.86	16.89	14.40
<b>-15</b>	14.58	28.95	27.71	25.89	23.85	21.77	19.65	17.11	13.27	9.55
<b>-17</b>	14.50	28.88	28.10	26.80	25.07	22.80	19.56	15.04	9.73	5.91
<b>-19.5</b>	13.10	26.12	25.20	23.32	20.57	16.94	12.48	7.93	4.33	2.67
<b>-22.5</b>	6.51	12.98	12.04	10.28	8.06	5.65	3.52	2.10	1.43	1.44
<b>-25.5</b>	1.71	3.46	3.06	2.49	2.02	1.66	1.46	1.31	1.18	1.32
<b>-29</b>	0.71	1.44	1.42	1.38	1.32	1.26	1.18	1.10	1.00	1.11
<b>-33</b>	0.53	1.07	1.06	1.03	1.00	0.95	0.90	0.85	0.78	0.89
<b>-37.5</b>	0.38	0.77	0.76	0.75	0.73	0.71	0.68	0.66	0.64	0.76
<b>-42.5</b>	0.29	0.59	0.59	0.58	0.57	0.56	0.55	0.53	0.52	0.63
<b>-47.5</b>	0.36	0.73	0.73	0.72	0.71	0.71	0.70	0.68	0.67	0.82
<b>-55</b>	0.39	0.77	0.77	0.77	0.76	0.75	0.74	0.73	0.72	0.87
<b>-65</b>	0.28	0.57	0.57	0.56	0.56	0.55	0.55	0.54	0.53	0.65
<b>-75</b>	0.19	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.36	0.44
<b>-85</b>	0.03	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
<b>-90</b>										
<b>Total</b>	2404.82	4188.02	2984.09	1920.16	1262.57	890.73	661.89	510.37	402.96	383.21

**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>	0.09	0.09	0.10	0.11	0.11	0.12	0.10	0.13	0.12	0.07
<b>85</b>	0.50	0.49	0.54	0.58	0.61	0.61	0.53	0.65	0.62	0.36
<b>75</b>	0.75	0.72	0.81	0.87	0.90	0.90	0.78	0.95	0.87	0.48
<b>65</b>	1.00	0.96	1.05	1.12	1.16	1.15	1.00	1.22	1.11	0.59
<b>55</b>	0.93	0.89	0.98	1.03	1.05	1.02	0.87	1.06	0.97	0.51
<b>47.5</b>	0.72	0.69	0.75	0.80	0.81	0.78	0.65	0.77	0.70	0.37

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

<b>42.5</b>										
	0.83	0.77	0.83	0.87	0.88	0.86	0.72	0.83	0.74	0.39
<b>37.5</b>										
	0.91	0.83	0.86	0.86	0.85	0.82	0.70	0.81	0.70	0.37
<b>33</b>										
	1.08	0.91	0.90	0.88	0.82	0.77	0.65	0.75	0.65	0.34
<b>29</b>										
	1.28	1.03	0.95	0.88	0.80	0.72	0.60	0.69	0.59	0.30
<b>25.5</b>										
	1.38	1.13	1.01	0.86	0.75	0.65	0.53	0.61	0.52	0.26
<b>22.5</b>										
	1.69	1.35	1.23	1.00	0.81	0.69	0.54	0.62	0.53	0.27
<b>19.5</b>										
	2.04	1.31	1.19	0.96	0.74	0.60	0.46	0.53	0.45	0.23
<b>17</b>										
	3.09	1.23	1.05	0.85	0.64	0.50	0.38	0.43	0.37	0.18
<b>15</b>										
	5.93	1.63	1.15	0.94	0.69	0.51	0.38	0.43	0.37	0.18
<b>13</b>										
	9.77	2.51	1.26	1.01	0.74	0.53	0.39	0.44	0.37	0.19
<b>11</b>										
	13.70	3.95	1.38	1.08	0.78	0.54	0.40	0.44	0.37	0.19
<b>9</b>										
	17.13	5.79	1.59	1.13	0.81	0.55	0.40	0.45	0.38	0.19
<b>7</b>										
	19.91	7.69	1.87	1.18	0.84	0.57	0.41	0.45	0.38	0.19
<b>5</b>										
	21.84	9.25	2.23	1.21	0.86	0.58	0.42	0.45	0.38	0.19
<b>3</b>										
	22.93	10.26	2.58	1.24	0.88	0.59	0.42	0.46	0.38	0.19
<b>1</b>										
	11.68	5.34	1.37	0.62	0.44	0.29	0.21	0.23	0.19	0.09
<b>0</b>										
	11.70	5.36	1.38	0.62	0.44	0.30	0.21	0.23	0.19	0.09
<b>-1</b>										
	23.09	10.45	2.66	1.24	0.88	0.59	0.42	0.46	0.38	0.19
<b>-3</b>										
	22.22	9.66	2.37	1.22	0.87	0.58	0.42	0.46	0.38	0.19
<b>-5</b>										
	20.58	8.31	2.01	1.18	0.84	0.57	0.41	0.45	0.38	0.19
<b>-7</b>										
	18.16	6.57	1.70	1.14	0.82	0.56	0.41	0.45	0.38	0.19
<b>-9</b>										
	14.95	4.67	1.46	1.08	0.78	0.55	0.40	0.45	0.38	0.19
<b>-11</b>										
	11.09	2.98	1.30	1.02	0.75	0.53	0.39	0.44	0.37	0.19
<b>-13</b>										
	7.25	1.88	1.18	0.95	0.71	0.52	0.39	0.44	0.37	0.18
<b>-15</b>										
	4.11	1.34	1.08	0.88	0.66	0.51	0.38	0.43	0.37	0.18
<b>-17</b>										
	2.62	1.37	1.22	0.98	0.76	0.62	0.46	0.53	0.45	0.23
<b>-19.5</b>										
	1.83	1.40	1.27	1.03	0.83	0.70	0.54	0.63	0.54	0.27
<b>-22.5</b>										
	1.44	1.18	1.05	0.89	0.76	0.66	0.53	0.61	0.52	0.26

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	1.35	1.09	0.99	0.90	0.81	0.72	0.60	0.70	0.59	0.30
<b>-29</b>	1.14	0.95	0.94	0.90	0.84	0.78	0.66	0.76	0.65	0.34
<b>-33</b>	0.95	0.85	0.89	0.88	0.86	0.83	0.71	0.81	0.70	0.37
<b>-37.5</b>	0.86	0.79	0.84	0.87	0.88	0.87	0.73	0.85	0.75	0.39
<b>-42.5</b>	0.73	0.70	0.76	0.80	0.82	0.79	0.66	0.78	0.71	0.37
<b>-47.5</b>	0.95	0.91	1.00	1.05	1.06	1.04	0.89	1.07	0.97	0.51
<b>-55</b>	1.01	0.98	1.07	1.13	1.16	1.16	1.01	1.23	1.12	0.59
<b>-65</b>	0.76	0.74	0.82	0.88	0.91	0.91	0.80	0.97	0.88	0.49
<b>-75</b>	0.52	0.50	0.56	0.60	0.62	0.62	0.55	0.67	0.63	0.37
<b>-85</b>	0.10	0.09	0.10	0.11	0.12	0.12	0.11	0.13	0.13	0.08
<b>-90</b>										
<b>Total</b>	286.61	121.57	52.34	40.44	34.14	28.89	23.23	26.96	23.62	12.29

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>	0.02	0.00		1.74
<b>85</b>	0.13	0.01		9.18
<b>75</b>	0.18	0.01		13.54
<b>65</b>	0.21	0.01		17.76
<b>55</b>	0.18	0.01		16.25
<b>47.5</b>	0.13	0.01		12.47
<b>42.5</b>	0.13	0.01		14.50
<b>37.5</b>	0.12	0.01		16.53
<b>33</b>	0.11	0.01		19.28
<b>29</b>	0.10	0.00		23.83
<b>25.5</b>	0.09	0.00		55.96
<b>22.5</b>	0.09	0.00		138.72
<b>19.5</b>	0.07	0.00		188.59
<b>17</b>	0.06	0.00		196.67
<b>15</b>	0.06	0.00		245.67

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

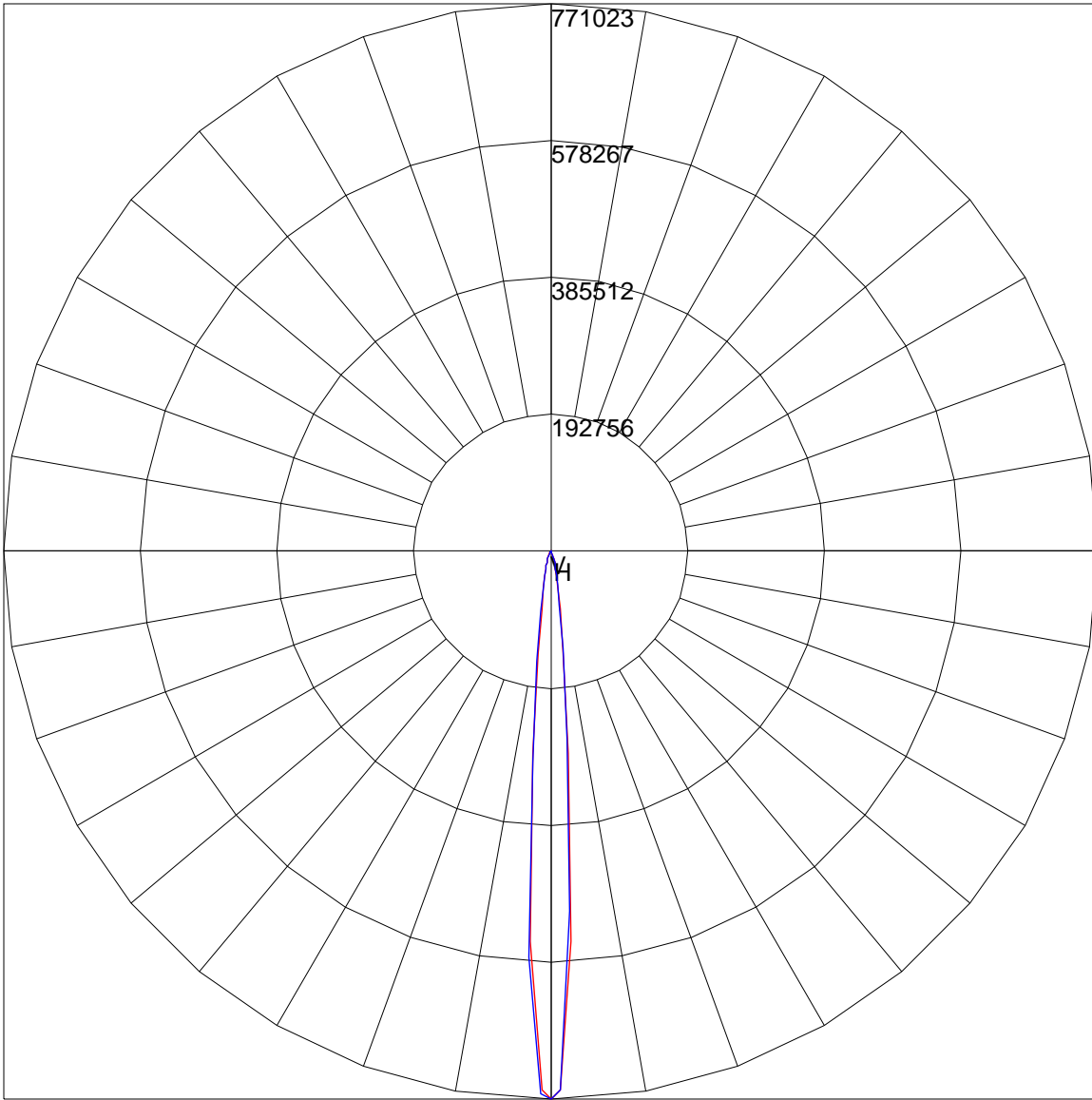
<b>13</b>	0.06	0.00	313.16
<b>11</b>	0.06	0.00	414.50
<b>9</b>	0.06	0.00	579.81
<b>7</b>	0.06	0.00	871.41
<b>5</b>	0.06	0.00	1356.23
<b>3</b>	0.06	0.00	1986.35
<b>1</b>	0.03	0.00	1186.96
<b>0</b>	0.03	0.00	1213.89
<b>-1</b>	0.06	0.00	2178.45
<b>-3</b>	0.06	0.00	1595.64
<b>-5</b>	0.06	0.00	1033.6
<b>-7</b>	0.06	0.00	675.22
<b>-9</b>	0.06	0.00	469.64
<b>-11</b>	0.06	0.00	346.86
<b>-13</b>	0.06	0.00	267.34
<b>-15</b>	0.06	0.00	212.33
<b>-17</b>	0.07	0.00	205.71
<b>-19.5</b>	0.09	0.00	161.79
<b>-22.5</b>	0.09	0.00	72.02
<b>-25.5</b>	0.10	0.00	27.84
<b>-29</b>	0.11	0.01	19.99
<b>-33</b>	0.12	0.01	17.05
<b>-37.5</b>	0.13	0.01	14.82
<b>-42.5</b>	0.13	0.01	12.66
<b>-47.5</b>	0.18	0.01	16.45
<b>-55</b>	0.21	0.01	17.97
<b>-65</b>	0.18	0.01	13.72
<b>-75</b>	0.13	0.01	9.40

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FL4-40L-40-8-N2-U-Y-GM.IES**

**LUMENS TABULATION - (Cont.)**

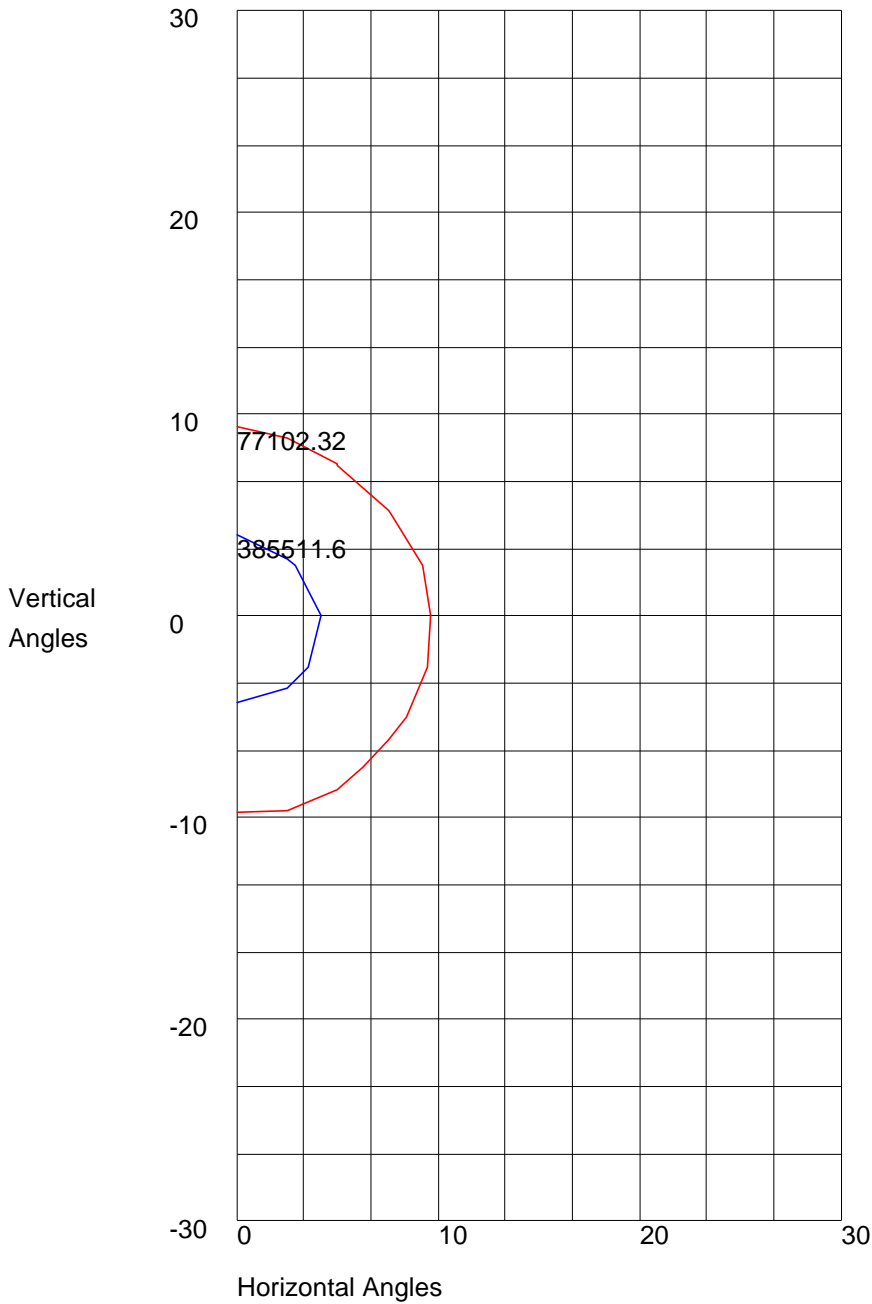
<b>-85</b>	0.03	0.00	1.79
<b>-90</b>			
<b>Total</b>	4.18	0.20	16263.29

AXIAL CANDELA DISPLAY



Maximum Candela = 771023.188 Located At Horizontal Angle = 0, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 771023.188 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 385511.594  
10% Maximum Candela = 77102.3188