



IES FLOOD REPORT

PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] RADIANT ZEMAX
[TESTDATE] 20170928
[ISSUEDATE] 2017-09-28 11:08:11
[MANUFAC] Larson Electronics LLC
[LUMCAT] EPL-HB-100LED-RT-60DB
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED FIXTURE - 60 DEGREE BEAM
[LAMP] LED
[LAMPPOSITION] 0,0
[OTHER] ZVISION 9107GT SYSTEM

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

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	12467.127
Maximum Candela Angle	0H 1V
Horizontal Beam Angle (50%)	55.7
Vertical Beam Angle (50%)	56.3
Horizontal Field Angle (10%)	109.6
Vertical Field Angle (10%)	108.9
Lumens Per Lamp	13922.5 (1 lamp)
Total Lamp Lumens	13922.5
Beam Lumens	6683
Beam Efficiency	48 %
Field Lumens	13309
Field Efficiency	96 %
Spill Lumens	630
Luminaire Lumens	13940
Total Efficiency	100 %
Total Luminaire Watts	98.98
Ballast Factor	1.00



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DEG.	HOR.	DEG.	VERT.
90	.137	90	0
85	.503	85	1.624
75	36.489	75	45.32
65	95.146	65	101.048
55	669.407	55	1120.154
47.5	2384.045	47.5	2894.8
42.5	3377.849	42.5	3674.565
37.5	3916.354	37.5	4172.852
33	4449.07	33	4857.929
29	5319.498	29	5904.694
25.5	6345.513	25.5	7017.39
22.5	7330.829	22.5	8041.163
19.5	8353.87	19.5	9069.443
17	9202.085	17	9893.659
15	9835.208	15	10489.356
13	10426.902	13	11024.337
11	10940.927	11	11470.898
9	11385.498	9	11837.298
7	11746.659	7	12117.29
5	12035.619	5	12322.59
3	12230.441	3	12463.97
1	12348.578	1	12467.127
0	12378.112	0	12378.112
-1	12394.538	-1	12459.966
-3	12357.82	-3	12388.155
-5	12269.4	-5	12244.579
-7	12121.294	-7	12053.097
-9	11917.001	-9	11782.667
-11	11649.477	-11	11452.39
-13	11312.314	-13	11038.361
-15	10889.225	-15	10489.081
-17	10397.939	-17	9983.566
-19.5	9666.375	-19.5	9204.807
-22.5	8691.056	-22.5	8183.55
-25.5	7679.499	-25.5	7137.541
-29	6495.152	-29	6012.582
-33	5307.03	-33	4961.105
-37.5	4368.657	-37.5	4212.795
-42.5	3818.188	-42.5	3664.591
-47.5	3207.987	-47.5	2849.594
-55	1557.061	-55	1108.007
-65	117.703	-65	107.477
-75	58.657	-75	50.101
-85	8.053	-85	2.837
-90	0	-90	.229

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Maximum Candela = 12467.127

Beam Edge = 6233.5635 Cd (50% of Max.)

Field Edge = 1246.7127 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0.000	0.081	0.245	0.327	0.164	0.041	0.021	0.062	0.099	0.132
85.0	0.000	0.150	0.634	1.658	1.698	1.755	2.044	2.714	3.256	3.813
75.0	0.000	0.306	5.237	14.380	21.321	26.356	29.390	35.357	40.358	44.155
65.0	0.000	1.088	13.877	35.860	53.996	66.642	74.602	82.938	88.771	93.853
55.0	0.000	2.170	24.811	58.360	86.635	102.710	116.859	146.746	271.442	454.038
47.5	0.000	3.326	32.741	75.027	108.002	192.383	466.720	910.567	1348.194	*1766.832 *
42.5	0.000	4.054	37.650	83.878	129.820	525.478	1094.172	1698.001	*2234.577	*2701.207 *
37.5	0.000	4.795	42.438	88.826	226.772	1064.191	1784.074	*2500.419	*3033.425	*3407.069 *
33.0	0.000	5.415	46.499	95.326	416.322	1552.701	*2387.588	*3096.338	*3523.871	*3752.601 *
29.0	0.000	5.998	49.342	99.676	627.686	1993.173	*2855.042	*3475.414	*3785.670	*4033.986 *
25.5	0.000	6.454	51.470	103.823	820.077	2320.045	*3180.137	*3683.917	*3989.758	*4292.201 *
22.5	0.000	6.829	53.232	106.625	939.458	2551.328	*3398.752	*3824.792	*4171.344	*4600.094 *
19.5	0.000	7.155	54.723	109.677	1126.057	2745.346	*3521.869	*3968.077	*4374.031	*4950.707 *
17.0	0.000	7.388	55.746	111.538	1243.662	2876.913	*3605.690	*4050.586	*4561.271	*5300.196 *
15.0	0.000	7.550	56.566	113.053	1328.584	*2966.905	*3666.228	*4118.577	*4723.981	*5577.952 *
13.0	0.000	7.689	57.131	114.551	1389.616	*3037.341	*3713.433	*4176.726	*4856.645	*5859.991 *
11.0	0.000	8.140	57.717	115.764	1441.145	*3095.511	*3741.685	*4231.323	*5011.419	*6036.432 *
9.0	0.000	8.124	58.174	116.941	1486.794	*3144.994	*3770.054	*4280.914	*5116.331	*6203.922 *
7.0	0.000	8.108	58.502	117.731	1521.975	*3179.766	*3791.763	*4323.828	*5191.594	*6335.865 *
5.0	0.000	8.093	59.087	118.151	1545.999	*3200.522	*3808.752	*4348.041	*5258.476	*6434.453 *
3.0	0.000	8.077	58.915	118.570	1571.390	*3222.987	*3826.856	*4366.516	*5299.544	*6487.807 *
1.0	0.000	8.061	58.743	117.992	1561.841	*3212.992	*3821.081	*4373.010	*5315.659	*6507.243 *
0.0	0.000	8.053	58.657	117.703	1557.061	*3207.987	*3818.188	*4368.657	*5307.030	*6495.152 *
-1.0	0.000	8.053	58.741	118.117	1561.351	*3210.927	*3820.706	*4374.196	*5320.187	*6512.707 *
-3.0	0.000	8.092	58.910	118.944	1569.922	*3216.797	*3825.733	*4370.146	*5312.392	*6502.880 *
-5.0	0.000	8.117	59.079	118.674	1543.687	*3189.744	*3806.654	*4354.304	*5277.724	*6455.710 *
-7.0	0.000	8.143	58.506	118.329	1518.921	*3164.078	*3788.530	*4332.939	*5217.991	*6368.434 *
-9.0	0.000	8.169	58.191	117.480	1483.179	*3125.705	*3764.837	*4290.031	*5155.413	*6251.155 *
-11.0	0.000	8.194	57.758	116.075	1435.021	*3075.457	*3732.678	*4238.989	*5056.669	*6093.677 *
-13.0	0.000	7.758	57.206	114.732	1380.087	*3014.928	*3697.979	*4182.313	*4904.675	*5927.906 *
-15.0	0.000	7.630	56.683	113.035	1322.593	*2938.759	*3649.245	*4117.662	*4765.539	*5641.873 *
-17.0	0.000	7.481	55.893	111.371	1239.765	2846.603	*3579.645	*4052.168	*4600.467	*5358.301 *
-19.5	0.000	7.264	54.913	109.389	1119.565	2716.868	*3485.059	*3959.951	*4390.539	*5006.596 *
-22.5	0.000	6.959	53.443	106.121	940.190	2520.121	*3349.447	*3809.356	*4173.106	*4629.124 *
-25.5	0.000	6.607	51.659	103.615	814.701	2290.606	*3124.723	*3644.298	*3979.802	*4297.604 *
-29.0	0.000	6.150	49.477	99.601	626.265	1962.998	*2800.259	*3414.533	*3754.859	*4019.223 *
-33.0	0.000	5.553	46.438	95.402	424.603	1535.508	*2335.634	*3019.432	*3447.111	*3709.923 *
-37.5	0.000	4.910	42.662	89.628	240.911	1042.889	1741.403	*2426.909	*2940.004	*3317.164 *
-42.5	0.000	4.164	38.234	83.553	135.335	527.762	1072.710	1643.403	*2158.456	*2601.364 *
-47.5	0.000	3.429	33.565	74.704	107.629	210.682	471.345	875.812	1307.164	*1694.272 *
-55.0	0.000	2.266	25.582	59.177	86.889	103.260	118.522	167.986	297.028	460.332
-65.0	0.000	1.165	15.040	37.416	55.035	67.711	74.926	83.350	88.832	94.829
-75.0	0.000	0.348	5.746	16.225	23.131	28.259	31.798	37.945	42.456	46.055
-85.0	0.000	0.160	0.763	2.007	2.201	2.521	2.945	3.623	4.126	4.648
-90.0	0.000	0.112	0.336	0.448	0.224	0.056	0.023	0.069	0.111	0.148

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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	0.161	0.186	0.161	0.140	0.124	0.107	0.091	0.074	0.058	0.041
85.0	4.293	4.678	4.453	4.206	3.978	3.725	3.645	3.277	2.910	2.543
75.0	47.650	49.986	50.443	50.249	50.137	49.765	49.415	48.942	48.347	47.998
65.0	98.092	101.296	103.776	104.860	105.545	105.968	105.981	105.637	105.030	104.174
55.0	642.315	796.511	933.114	1024.764	1098.918	1140.252	1163.712	1181.868	1189.177	1183.970
47.5	2099.821	*2346.760	*2571.909	*2735.224	*2798.056	*2851.520	*2894.112	*2918.791	*2933.385	*2937.874 *
42.5	3027.780	*3268.248	*3424.477	*3533.970	*3607.571	*3635.487	*3652.989	*3673.889	*3687.618	*3692.586 *
37.5	3622.209	*3756.986	*3887.266	*3971.185	*4040.734	*4093.482	*4133.018	*4160.815	*4187.990	*4193.779 *
33.0	3941.266	*4104.650	*4274.501	*4426.632	*4548.396	*4674.683	*4777.670	*4839.308	*4876.637	*4901.879 *
29.0	4248.342	*4514.766	*4798.322	*5083.113	*5317.543	*5546.902	*5736.075	*5849.110	*5927.249	*5964.313 *
25.5	4628.070	*5010.100	*5480.000	*5883.321	*6193.798	*6488.615	*6749.935	*6944.860	*7042.898	*7100.511 *
22.5	5090.681	*5592.178	*6148.966	*6635.565	*7016.962	*7359.380	*7673.333	*7946.759	*8065.189	*8139.811 *
19.5	5621.992	*6245.606	*6866.551	*7406.659	*7836.597	*8217.148	*8561.253	*8871.125	*9075.088	*9150.770 *
17.0	6082.157	*6792.650	*7497.226	*8034.124	*8475.615	*8892.413	*9272.089	*9602.490	*9872.107	*9967.984 *
15.0	6447.053	*7219.061	*7973.303	*8552.129	*8990.436	*9392.482	*9803.421	*10144.015	*10428.740	*10586.593 *
13.0	6787.438	*7625.525	*8414.833	*9026.709	*9467.730	*9859.973	*10264.870	*10623.059	*10900.638	*11085.590 *
11.0	7100.579	*7996.351	*8821.914	*9465.377	*9934.110	*10329.209	*10669.162	*11007.508	*11280.697	*11492.550 *
9.0	7300.902	*8281.287	*9195.796	*9849.298	*10324.258	*10720.901	*11053.607	*11328.378	*11580.473	*11767.733 *
7.0	7476.092	*8464.363	*9424.864	*10166.267	*10646.025	*11033.478	*11360.394	*11616.381	*11813.984	*12010.960 *
5.0	7590.491	*8604.315	*9576.716	*10310.074	*10821.737	*11247.334	*11600.073	*11834.334	*12034.162	*12173.946 *
3.0	7666.069	*8676.112	*9658.670	*10390.901	*10891.698	*11320.550	*11666.998	*11947.829	*12163.847	*12287.048 *
1.0	7694.899	*8708.061	*9686.012	*10419.299	*10911.728	*11336.067	*11675.335	*11946.731	*12154.615	*12308.216 *
0.0	7679.499	*8691.056	*9666.375	*10397.939	*10889.225	*11312.314	*11649.477	*11917.001	*12121.294	*12269.400 *
-1.0	7699.295	*8713.257	*9689.833	*10415.854	*10906.018	*11325.988	*11659.451	*11923.209	*12119.048	*12261.142 *
-3.0	7680.961	*8691.891	*9668.739	*10382.260	*10876.257	*11288.774	*11623.931	*11876.861	*12064.330	*12159.540 *
-5.0	7620.240	*8631.088	*9593.641	*10304.481	*10795.046	*11205.119	*11528.724	*11731.756	*11899.284	*11991.019 *
-7.0	7509.545	*8514.405	*9465.738	*10166.428	*10624.231	*10974.426	*11272.293	*11494.934	*11653.738	*11827.722 *
-9.0	7354.377	*8332.245	*9239.585	*9870.981	*10300.334	*10661.247	*10957.373	*11189.757	*11418.645	*11588.387 *
-11.0	7160.778	*8058.432	*8874.698	*9496.349	*9928.945	*10284.605	*10579.459	*10877.087	*1116.654	*11305.681 *
-13.0	6848.834	*7680.974	*8468.839	*9070.436	*9488.685	*9848.415	*10204.189	*10505.161	*10742.838	*10914.448 *
-15.0	6499.890	*7267.349	*8022.947	*8599.013	*9030.483	*9406.520	*9779.658	*10069.245	*10312.907	*10464.744 *
-17.0	6144.718	*6835.034	*7540.302	*8078.246	*8518.446	*8921.682	*9280.720	*9573.446	*9814.957	*9933.006 *
-19.5	5685.959	*6292.394	*6901.843	*7443.017	*7864.774	*8244.577	*8586.138	*8873.582	*9080.245	*9194.855 *
-22.5	5142.992	*5659.539	*6191.816	*6666.340	*7033.713	*7381.475	*7686.654	*7953.798	*8100.378	*8197.712 *
-25.5	4661.703	*5061.907	*5538.270	*5925.472	*6225.697	*6504.758	*6766.197	*6953.392	*7082.014	*7154.076 *
-29.0	4245.332	*4529.801	*4838.255	*5128.761	*5358.020	*5588.294	*5761.950	*5889.873	*5982.833	*6042.126 *
-33.0	3914.969	*4082.516	*4257.053	*4414.179	*4551.454	*4684.516	*4813.454	*4887.625	*4939.545	*4978.530 *
-37.5	3538.413	*3696.932	*3841.975	*3926.206	*3998.203	*4056.894	*4107.360	*4150.485	*4186.563	*4204.814 *
-42.5	2918.539	*3151.062	*3313.837	*3420.977	*3498.173	*3550.719	*3582.162	*3615.427	*3641.871	*3659.405 *
-47.5	2007.324	*2249.007	*2460.420	*2612.765	*2689.600	*2748.100	*2798.356	*2837.640	*2862.378	*2873.669 *
-55.0	626.094	771.868	901.817	987.384	1047.256	1096.325	1113.255	1121.933	1138.234	1144.534
-65.0	99.709	102.845	105.784	106.999	107.856	108.505	108.924	109.212	109.240	109.021
-75.0	48.753	50.920	51.738	51.981	52.196	52.136	52.116	51.995	51.769	51.806
-85.0	5.092	5.463	5.326	5.142	4.959	4.748	4.734	4.389	4.044	3.699
-90.0	0.180	0.208	0.211	0.213	0.215	0.217	0.218	0.220	0.222	0.224

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	0.025	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	2.175	1.808	1.624	1.552	1.407	1.262	1.117	0.972	0.827	0.603
75.0	46.927	45.856	45.320	44.902	44.066	43.231	41.704	40.428	39.051	37.576
65.0	103.309	101.802	101.048	100.688	99.968	98.681	97.443	96.059	94.543	92.967

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55.0	1178.765	1139.699	1120.154	1100.758	1061.990	992.199	924.629	848.431	763.698	677.234
47.5	2946.480	*2912.038	*2894.800	*2869.929	*2820.238	*2725.124	*2632.621	*2525.711	*2402.379	*2267.757 *
42.5	3699.429	*3682.861	*3674.565	*3657.233	*3622.618	*3560.339	*3497.038	*3421.837	*3332.815	*3239.667 *
37.5	4193.683	*4183.590	*4172.852	*4155.368	*4109.748	*4056.075	*3999.000	*3923.373	*3845.416	*3763.207 *
33.0	4902.676	*4881.627	*4857.929	*4827.326	*4742.632	*4643.633	*4533.213	*4424.408	*4307.823	*4178.887 *
29.0	5969.663	*5941.226	*5904.694	*5854.065	*5709.813	*5536.255	*5342.389	*5131.516	*4906.329	*4759.029 *
25.5	7106.946	*7065.638	*7017.390	*6951.076	*6767.966	*6549.652	*6291.393	*5997.277	*5742.747	*5520.411 *
22.5	8138.058	*8094.477	*8041.163	*7964.397	*7747.327	*7488.256	*7178.544	*6812.609	*6581.477	*6307.132 *
19.5	9164.389	*9126.460	*9069.443	*8977.901	*8721.339	*8418.724	*8061.673	*7750.514	*7473.699	*7139.390 *
17.0	9989.568	*9953.128	*9893.659	*9789.513	*9496.058	*9149.735	*8764.268	*8504.417	*8200.603	*7834.278 *
15.0	10596.632	*10551.899	*10489.356	*10376.243	*10070.468	*9705.857	*9373.154	*9088.532	*8757.351	*8355.749 *
13.0	11106.101	*11078.541	*11024.337	*10905.143	*10577.210	*10193.315	*9937.917	*9643.813	*9276.334	*8839.937 *
11.0	11532.279	*11517.750	*11470.898	*11343.022	*11009.177	*10693.139	*10452.369	*10147.880	*9750.737	*9208.597 *
9.0	11867.775	*11870.591	*11837.298	*11698.850	*11336.313	*11107.710	*10884.148	*10571.311	*10082.011	*9522.115 *
7.0	12112.091	*12138.249	*12117.290	*11959.313	*11592.181	*11481.608	*11244.596	*10823.219	*10331.116	*9755.247 *
5.0	12274.873	*12330.293	*12322.590	*12136.038	*11876.481	*11756.447	*11432.966	*10994.622	*10518.022	*9955.249 *
3.0	12376.958	*12422.598	*12463.970	*12181.437	*12093.267	*11845.811	*11504.491	*11142.097	*10715.481	*10207.667 *
1.0	12400.694	*12465.295	*12467.127	*12280.561	*12144.087	*11975.502	*11699.421	*11340.053	*10897.186	*10385.681 *
0.0	12357.820	*12394.538	*12378.112	*12348.578	*12230.441	*12035.619	*11746.659	*11385.498	*10940.927	*10426.902 *
-1.0	12330.868	*12316.066	*12459.966	*12404.761	*12192.701	*12008.205	*11718.635	*11359.183	*10915.637	*10403.870 *
-3.0	12201.458	*12265.527	*12388.155	*12317.704	*12205.351	*11924.128	*11567.759	*11200.453	*10771.012	*10257.027 *
-5.0	12081.208	*12191.956	*12244.579	*12184.540	*12033.330	*11868.556	*11523.194	*11081.199	*10592.574	*10047.999 *
-7.0	11918.834	*12025.326	*12053.097	*11987.145	*11770.196	*11624.187	*11353.110	*10934.418	*10440.256	*99876.541 *
-9.0	11696.067	*11776.077	*11782.667	*11711.064	*11490.822	*11277.603	*11031.626	*10696.291	*10216.800	*9666.356 *
-11.0	11395.532	*11456.923	*11452.390	*11376.739	*11136.918	*10887.201	*10627.473	*10314.451	*9993.687	*9378.439 *
-13.0	11010.719	*11052.833	*11038.361	*10958.614	*10721.761	*10414.520	*10165.020	*9861.338	*9478.401	*9031.623 *
-15.0	10525.555	*10520.947	*10489.081	*10421.886	*10219.847	*9939.754	*9651.603	*9344.332	*8987.012	*8562.911 *
-17.0	10001.731	*10014.174	*9983.566	*9908.625	*9685.775	*9405.115	*9059.202	*8775.731	*8430.691	*8036.836 *
-19.5	9244.492	*9240.827	*9204.807	*9132.640	*8918.943	*8652.690	*8325.201	*8009.392	*7693.409	*7332.867 *
-22.5	8232.923	*8221.931	*8183.550	*8118.552	*7925.712	*7694.388	*7386.356	*7057.938	*6789.431	*6492.586 *
-25.5	7187.779	*7174.240	*7137.541	*7083.002	*6916.376	*6708.807	*6472.853	*6209.337	*5947.017	*5710.628 *
-29.0	6057.785	*6041.057	*6012.582	*5970.970	*5849.569	*5701.269	*5519.012	*5315.829	*5105.588	*4931.750 *
-33.0	4989.993	*4979.607	*4961.105	*4933.779	*4854.705	*4759.575	*4647.712	*4535.209	*4417.279	*4291.946 *
-37.5	4217.176	*4218.611	*4212.795	*4199.561	*4160.850	*4113.391	*4062.757	*3997.998	*3931.614	*3854.868 *
-42.5	3678.229	*3669.142	*3664.591	*3652.187	*3627.414	*3573.123	*3519.085	*3448.545	*3364.315	*3279.299 *
-47.5	2887.958	*2862.391	*2849.594	*2829.165	*2788.348	*2705.121	*2623.208	*2526.848	*2416.040	*2282.584 *
-55.0	1155.102	1123.712	1108.007	1090.468	1055.411	979.202	907.964	827.907	760.755	688.872
-65.0	108.799	107.918	107.477	106.903	105.754	104.020	102.340	100.514	98.557	96.475
-75.0	51.124	50.442	50.101	49.528	48.383	47.238	45.364	43.751	42.028	40.197
-85.0	3.354	3.009	2.837	2.714	2.467	2.220	1.973	1.726	1.479	1.136
-90.0	0.226	0.228	0.229	0.218	0.198	0.178	0.157	0.137	0.117	0.097

Vert. Angles Horizontal Angles

	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5
90.0	0.000	0.000	0.000	0.000	0.024	0.053	0.085	0.122	0.163	0.163
85.0	0.455	0.315	0.157	0.001	0.054	0.102	0.137	0.154	0.179	0.187
75.0	36.139	34.295	32.016	29.307	27.475	25.507	23.080	20.240	16.894	11.841
65.0	91.245	89.427	87.133	84.406	82.176	78.166	72.976	66.181	57.598	45.409
55.0	577.777	482.994	380.780	290.019	216.381	154.670	120.306	106.969	94.563	82.022
47.5	2120.686	*1956.329	*1797.247	*1577.325	*1337.691	*1021.795	689.091	360.511	140.609	102.408
42.5	3109.722	*2978.714	*2820.726	*2604.151	*2320.049	*1960.117	*1496.054	*891.983	372.820	129.487
37.5	3691.218	*3624.169	*3537.171	*3366.823	*3154.612	*2837.533	*2310.514	*1608.604	*812.988	267.203
33.0	4103.066	*4019.322	*3912.132	*3771.026	*3616.553	*3377.339	*2923.209	*2212.119	*1319.540	*513.501
29.0	4601.942	*4455.586	*4281.549	*4100.204	*3908.865	*3684.264	*3323.866	*2697.363	*1745.931	*799.125
25.5	5282.700	*5039.165	*4739.186	*4425.470	*4149.743	*3879.559	*3562.744	*3018.494	*2084.965	*1072.535

IES FLOOD REPORT

PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

CANDELA TABULATION - (Cont.)

22.5	6006.751	*5687.756	*5279.659	*4787.511	*4386.404	*4055.317	*3719.349	*3246.063	*2353.602	*1339.560 *
19.5	6780.499	*6392.554	*5861.997	*5213.242	*4658.332	*4210.089	*3846.457	*3430.075	*2608.045	*1569.853 *
17.0	7432.872	*6959.608	*6320.868	*5576.451	*4911.941	*4352.181	*3938.093	*3532.147	*2803.576	*1750.028 *
15.0	7932.311	*7364.774	*6661.337	*5851.324	*5118.530	*4462.157	*4012.575	*3619.074	*2946.394	*1880.404 *
13.0	8287.756	*7718.429	*6969.530	*6107.605	*5309.245	*4583.644	*4091.614	*3688.275	*3060.218	*1991.007 *
11.0	8635.531	*8028.765	*7249.404	*6325.680	*5501.952	*4728.057	*4180.820	*3748.065	*3134.323	*2089.585 *
9.0	8917.352	*8275.319	*7480.819	*6557.124	*5723.044	*4881.504	*4249.100	*3796.822	*3208.990	*2181.649 *
7.0	9135.877	*8496.121	*7739.046	*6811.492	*5930.857	*5019.758	*4310.729	*3840.986	*3269.374	*2254.762 *
5.0	9397.355	*8782.269	*7996.777	*7021.424	*6094.363	*5139.646	*4368.273	*3869.992	*3315.320	*2309.505 *
3.0	9627.586	*9003.188	*8186.990	*7184.266	*6229.190	*5235.001	*4411.375	*3895.342	*3363.115	*2366.215 *
1.0	9794.877	*9164.474	*8321.703	*7304.529	*6324.556	*5304.025	*4442.150	*3912.752	*3372.931	*2378.095 *
0.0	9835.208	*9202.085	*8353.870	*7330.829	*6345.513	*5319.498	*4449.070	*3916.354	*3377.849	*2384.045 *
-1.0	9813.326	*9182.861	*8336.675	*7314.521	*6331.001	*5310.811	*4445.396	*3914.907	*3375.003	*2378.960 *
-3.0	9683.298	*9054.617	*8227.730	*7213.571	*6250.046	*5254.230	*4420.622	*3902.072	*3369.324	*2368.805 *
-5.0	9482.912	*8866.330	*8057.744	*7068.372	*6133.505	*5168.377	*4382.236	*3881.977	*3323.977	*2313.713 *
-7.0	9262.842	*8620.425	*7831.479	*6875.920	*5986.319	*5059.827	*4329.377	*3859.026	*3279.231	*2260.502 *
-9.0	9056.734	*8412.521	*7572.776	*6637.490	*5793.208	*4932.510	*4274.961	*3819.433	*3222.166	*2188.765 *
-11.0	8802.156	*8163.222	*7359.114	*6414.703	*5579.823	*4783.608	*4209.721	*3773.609	*3151.034	*2097.881 *
-13.0	8463.510	*7861.328	*7086.220	*6200.716	*5397.365	*4643.002	*4124.140	*3721.910	*3078.589	*1999.925 *
-15.0	8118.200	*7501.086	*6776.444	*5955.729	*5209.435	*4518.033	*4049.715	*3661.556	*2966.536	*1885.797 *
-17.0	7591.367	*7098.888	*6436.311	*5681.910	*5006.887	*4407.815	*3980.492	*3579.235	*2821.877	*1755.594 *
-19.5	6945.186	*6532.204	*5995.454	*5329.507	*4749.185	*4266.071	*3895.118	*3473.329	*2628.895	*1580.099 *
-22.5	6175.532	*5841.669	*5421.146	*4907.690	*4461.329	*4112.494	*3777.156	*3283.711	*2375.090	*1342.428 *
-25.5	5464.289	*5198.538	*4872.391	*4516.779	*4225.547	*3945.616	*3627.534	*3053.359	*2103.558	*1080.836
-29.0	4744.020	*4575.878	*4377.071	*4179.985	*3986.130	*3761.001	*3376.383	*2723.179	*1755.444	*805.645
-33.0	4204.450	*4115.765	*3999.567	*3860.047	*3696.490	*3440.200	*2954.647	*2228.089	*1319.305	*522.724
-37.5	3783.209	*3707.907	*3611.552	*3431.877	*3202.858	*2866.815	*2324.499	*1609.140	*820.018	274.276
-42.5	3154.740	*3021.831	*2856.116	*2639.352	*2342.580	*1971.257	*1495.223	*895.733	378.109	136.162
-47.5	2140.095	*1981.756	*1816.357	*1590.438	*1345.764	*1025.442	700.163	363.950	146.119	107.101
-55.0	599.549	507.555	402.885	307.673	230.603	162.701	125.440	112.365	97.924	84.208
-65.0	94.262	91.986	89.184	86.469	84.068	80.155	75.092	68.154	59.164	47.295
-75.0	38.403	36.398	33.934	31.200	29.624	27.522	25.044	21.728	17.786	12.798
-85.0	0.881	0.636	0.345	0.034	0.103	0.171	0.225	0.261	0.270	0.213
-90.0	0.076	0.056	0.030	0.000	0.033	0.073	0.117	0.168	0.223	0.223

Vert. Horizontal Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.102	0.020	0.046	0.107	0.137
85.0	0.170	0.033	0.071	0.125	0.137
75.0	5.296	0.196	0.105	0.166	0.137
65.0	27.592	8.511	0.619	0.173	0.137
55.0	56.630	24.464	4.440	0.165	0.137
47.5	77.463	39.424	9.853	0.253	0.137
42.5	87.578	48.942	13.403	0.270	0.137
37.5	96.525	57.791	17.531	0.238	0.137
33.0	107.278	66.288	21.594	0.296	0.137
29.0	122.039	72.503	24.687	0.351	0.137
25.5	155.099	77.629	26.873	0.395	0.137
22.5	204.665	81.043	28.668	0.413	0.137
19.5	278.724	84.365	30.285	0.429	0.137
17.0	344.388	86.446	31.486	0.442	0.137
15.0	400.560	87.578	32.464	0.452	0.137
13.0	462.129	87.816	33.222	0.461	0.137
11.0	510.055	88.052	34.002	0.482	0.137
9.0	554.830	89.983	34.681	0.485	0.137

IES FLOOD REPORT**PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES****CANDELA TABULATION - (Cont.)**

7.0	594.043	91.669	35.259	0.489	0.137
5.0	625.547	93.075	36.048	0.493	0.137
3.0	658.400	94.597	36.224	0.497	0.137
1.0	665.735	94.963	36.401	0.503	0.137
0.0	669.407	95.146	36.489	0.503	0.137
-1.0	666.054	95.022	36.412	0.501	0.137
-3.0	659.356	94.775	36.257	0.497	0.137
-5.0	627.077	93.368	36.103	0.493	0.137
-7.0	596.098	92.073	35.343	0.489	0.137
-9.0	557.327	90.494	34.797	0.485	0.137
-11.0	512.955	88.663	34.154	0.482	0.137
-13.0	465.360	88.530	33.417	0.461	0.137
-15.0	404.387	88.393	32.706	0.452	0.137
-17.0	348.973	87.343	31.743	0.442	0.137
-19.5	284.005	85.346	30.554	0.429	0.137
-22.5	208.905	82.040	28.912	0.413	0.137
-25.5	160.249	78.725	27.044	0.395	0.137
-29.0	128.756	73.406	24.900	0.351	0.137
-33.0	112.661	67.169	21.917	0.296	0.137
-37.5	100.258	58.688	17.775	0.238	0.137
-42.5	90.517	50.037	13.570	0.270	0.137
-47.5	79.659	40.183	10.095	0.253	0.137
-55.0	58.054	25.519	4.678	0.165	0.137
-65.0	28.694	8.891	0.658	0.173	0.137
-75.0	5.855	0.294	0.105	0.166	0.137
-85.0	0.124	0.031	0.071	0.125	0.137
-90.0	0.140	0.028	0.046	0.107	0.137

IES FLOOD REPORT**PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES****LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6969.88

Total Field Lumens (one side of beam only) = 6654.71

* 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.07	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.16
65	0.22	0.45	0.45	0.44	0.44	0.44	0.43	0.42	0.41	0.50
55	1.86	3.72	3.66	3.56	3.43	3.27	3.09	2.87	2.62	2.90
47.5	4.58 *	9.15 *	9.03 *	8.81 *	8.57 *	8.27 *	7.91 *	7.50 *	7.02 *	8.06
42.5	5.00 *	9.97 *	9.88 *	9.72 *	9.54 *	9.31 *	9.04 *	8.73 *	8.36 *	9.86 *
37.5	5.97 *	11.91 *	11.82 *	11.69 *	11.52 *	11.30 *	11.06 *	10.78 *	10.45 *	12.56 *
33	6.19 *	12.33 *	12.22 *	12.06 *	11.86 *	11.61 *	11.32 *	11.00 *	10.68 *	12.88 *
29	6.55 *	13.04 *	12.87 *	12.64 *	12.34 *	11.99 *	11.59 *	11.15 *	10.70 *	12.75 *
25.5	6.88 *	13.68 *	13.48 *	13.19 *	12.81 *	12.35 *	11.85 *	11.30 *	10.72 *	12.58 *
22.5	6.88 *	13.66 *	13.45 *	13.14 *	12.73 *	12.25 *	11.71 *	11.12 *	10.49 *	12.17 *
19.5	7.81 *	15.51 *	15.26 *	14.90 *	14.42 *	13.87 *	13.25 *	12.56 *	11.81 *	13.64 *
17	7.21 *	14.31 *	14.06 *	13.72 *	13.29 *	12.79 *	12.21 *	11.57 *	10.86 *	12.51 *
15	6.20 *	12.30 *	12.09 *	11.79 *	11.43 *	11.00 *	10.50 *	9.95 *	9.33 *	10.73 *
13	6.54 *	12.98 *	12.75 *	12.45 *	12.09 *	11.64 *	11.11 *	10.51 *	9.86 *	11.33 *
11	6.84 *	13.56 *	13.32 *	13.03 *	12.67 *	12.21 *	11.65 *	11.02 *	10.33 *	11.88 *
9	7.09 *	14.03 *	13.80 *	13.52 *	13.16 *	12.69 *	12.12 *	11.47 *	10.75 *	12.36 *
7	7.28 *	14.40 *	14.17 *	13.92 *	13.55 *	13.07 *	12.49 *	11.83 *	11.10 *	12.77 *
5	7.42 *	14.68 *	14.48 *	14.23 *	13.84 *	13.36 *	12.78 *	12.12 *	11.38 *	13.11 *
3	7.51 *	14.87 *	14.69 *	14.42 *	14.03 *	13.56 *	13.00 *	12.33 *	11.60 *	13.36 *
1	7.56 *	14.97 *	14.80 *	14.53 *	14.16 *	13.70 *	13.14 *	12.48 *	11.74 *	13.53 *
0	3.78 *	7.51 *	7.42 *	7.29 *	7.11 *	6.88 *	6.60 *	6.27 *	5.90 *	6.80 *
-1	3.77 *	7.50 *	7.42 *	7.29 *	7.11 *	6.88 *	6.60 *	6.27 *	5.90 *	6.80 *
	7.54 *	14.95 *	14.78 *	14.51 *	14.15 *	13.70 *	13.15 *	12.50 *	11.76 *	13.55 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

LUMENS TABULATION - (Cont.)

-3	7.48 *	14.84 *	14.66 *	14.39 *	14.02 *	13.56 *	13.01 *	12.36 *	11.63 *	13.41 *
-5	7.39 *	14.64 *	14.45 *	14.20 *	13.83 *	13.36 *	12.80 *	12.16 *	11.44 *	13.18 *
-7	7.25 *	14.36 *	14.16 *	13.90 *	13.54 *	13.08 *	12.52 *	11.88 *	11.17 *	12.87 *
-9	7.07 *	14.01 *	13.79 *	13.52 *	13.16 *	12.71 *	12.17 *	11.54 *	10.84 *	12.47 *
-11	6.84 *	13.56 *	13.34 *	13.05 *	12.70 *	12.26 *	11.73 *	11.12 *	10.43 *	12.00 *
-13	6.55 *	13.00 *	12.79 *	12.51 *	12.16 *	11.73 *	11.22 *	10.63 *	9.97 *	11.46 *
-15	6.23 *	12.37 *	12.18 *	11.90 *	11.55 *	11.14 *	10.64 *	10.08 *	9.45 *	10.86 *
-17	7.30 *	14.49 *	14.25 *	13.91 *	13.48 *	12.98 *	12.39 *	11.72 *	10.99 *	12.66 *
-19.5	7.94 *	15.76 *	15.51 *	15.14 *	14.66 *	14.10 *	13.45 *	12.74 *	11.97 *	13.83 *
-22.5	7.00 *	13.90 *	13.68 *	13.36 *	12.94 *	12.46 *	11.91 *	11.30 *	10.66 *	12.38 *
-25.5	7.01 *	13.93 *	13.72 *	13.43 *	13.04 *	12.59 *	12.07 *	11.52 *	10.92 *	12.80 *
-29	6.68 *	13.30 *	13.14 *	12.90 *	12.58 *	12.22 *	11.80 *	11.34 *	10.86 *	12.91 *
-33	6.28 *	12.52 *	12.40 *	12.23 *	12.02 *	11.76 *	11.45 *	11.11 *	10.77 *	12.97 *
-37.5	6.00 *	11.96 *	11.86 *	11.72 *	11.55 *	11.32 *	11.07 *	10.78 *	10.44 *	12.52 *
-42.5	4.96 *	9.89 *	9.80 *	9.64 *	9.45 *	9.22 *	8.95 *	8.62 *	8.24 *	9.71 *
-47.5	4.52 *	9.01 *	8.88 *	8.65 *	8.40 *	8.10 *	7.77 *	7.37 *	6.90 *	7.91
-55	1.85	3.69	3.62	3.48	3.33	3.18	3.03	2.84	2.59	2.89
-65	0.24	0.48	0.48	0.47	0.46	0.46	0.45	0.44	0.42	0.51
-75	0.08	0.16	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.17
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total	239.41	475.50	468.94	459.59	447.45	432.66	415.31	395.58	373.76	434.29

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
85	0.18	0.17	0.18	0.18	0.18	0.16	0.12	0.12	0.09	0.03
75	0.57	0.54	0.59	0.61	0.60	0.56	0.44	0.46	0.32	0.10
65	2.96	2.41	2.16	1.74	1.34	1.09	0.86	0.93	0.67	0.22
55	8.55	7.28	6.84	5.70	4.15	2.56	1.31	1.08	0.75	0.26

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

LUMENS TABULATION - (Cont.)

47.5	10.88 *	9.69 *	9.62 *	8.63 *	6.74	4.33	2.03	1.21	0.62	0.22
42.5	14.22 *	13.11 *	13.64 *	13.04 *	11.03 *	7.85	4.07	2.26	0.78	0.25
37.5	14.69 *	13.77 *	14.77 *	14.78 *	13.35 *	10.31 *	5.88	3.41	0.99	0.26
33	14.40 *	13.44 *	14.48 *	14.83 *	14.01 *	11.54 *	7.09	4.38	1.22	0.25
29	13.94 *	12.78 *	13.61 *	13.96 *	13.48 *	11.60 *	7.56 *	4.95	1.38	0.23
25.5	13.26 *	11.92 *	12.47 *	12.64 *	12.26 *	10.84 *	7.39 *	5.04	1.42	0.21
22.5	14.71 *	13.02 *	13.35 *	13.29 *	12.83 *	11.53 *	8.11 *	5.76	1.67	0.21
19.5	13.43 *	11.77 *	11.87 *	11.60 *	11.09 *	10.03 *	7.23 *	5.33	1.61	0.18
17	11.49 *	10.02 *	10.01 *	9.64 *	9.11 *	8.26 *	6.06 *	4.57	1.41	0.15
15	12.12 *	10.53 *	10.46 *	9.96 *	9.31 *	8.45 *	6.26 *	4.81	1.52	0.15
13	12.69 *	11.01 *	10.88 *	10.27 *	9.51 *	8.60 *	6.42 *	5.01 *	1.60	0.15
11	13.20 *	11.43 *	11.25 *	10.55 *	9.68 *	8.72 *	6.56 *	5.18 *	1.67	0.15
9	13.64 *	11.80 *	11.58 *	10.78 *	9.82 *	8.83 *	6.68 *	5.33 *	1.74	0.16
7	14.00 *	12.10 *	11.85 *	10.98 *	9.94 *	8.91 *	6.76 *	5.44 *	1.79	0.16
5	14.27 *	12.33 *	12.05 *	11.13 *	10.02 *	8.98 *	6.84 *	5.54 *	1.84	0.16
3	14.44 *	12.48 *	12.19 *	11.23 *	10.08 *	9.02 *	6.88 *	5.59 *	1.86	0.16
1	7.26 *	6.27 *	6.12 *	5.63 *	5.05 *	4.51 *	3.44 *	2.79 *	0.93	0.08
0	7.26 *	6.27 *	6.12 *	5.63 *	5.05 *	4.51 *	3.44 *	2.79 *	0.93	0.08
-1	14.47 *	12.50 *	12.21 *	11.25 *	10.09 *	9.03 *	6.88 *	5.58 *	1.86	0.16
-3	14.32 *	12.37 *	12.10 *	11.17 *	10.04 *	8.99 *	6.84 *	5.53 *	1.84	0.16
-5	14.08 *	12.17 *	11.92 *	11.03 *	9.97 *	8.93 *	6.76 *	5.44 *	1.79	0.16
-7	13.75 *	11.90 *	11.67 *	10.86 *	9.87 *	8.85 *	6.67 *	5.32 *	1.74	0.16
-9	13.33 *	11.55 *	11.36 *	10.64 *	9.74 *	8.75 *	6.56 *	5.17 *	1.67	0.16
-11	12.83 *	11.13 *	11.00 *	10.38 *	9.57 *	8.62 *	6.42 *	4.99 *	1.60	0.15
-13	12.25 *	10.66 *	10.59 *	10.07 *	9.38 *	8.48 *	6.25 *	4.79	1.51	0.15
-15	11.63 *	10.14 *	10.14 *	9.74 *	9.18 *	8.29 *	6.04 *	4.55	1.41	0.15
-17	13.60 *	11.93 *	12.03 *	11.72 *	11.17 *	10.05 *	7.20 *	5.31	1.61	0.18
-19.5	14.94 *	13.22 *	13.52 *	13.41 *	12.91 *	11.53 *	8.07 *	5.74	1.67	0.21

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

LUMENS TABULATION - (Cont.)

-22.5	13.49 *	12.09 *	12.61 *	12.74 *	12.32 *	10.82 *	7.34 *	5.01	1.42	0.21
-25.5	14.15 *	12.93 *	13.74 *	14.05 *	13.50 *	11.54 *	7.50 *	4.92	1.39	0.23
-29	14.55 *	13.56 *	14.58 *	14.86 *	13.94 *	11.43 *	7.02	4.37	1.24	0.25
-33	14.77 *	13.82 *	14.76 *	14.68 *	13.19 *	10.17 *	5.81	3.42	1.02	0.26
-37.5	14.15 *	13.00 *	13.48 *	12.84 *	10.84 *	7.72	4.03	2.28	0.81	0.26
-42.5	10.70 *	9.52 *	9.42 *	8.45 *	6.60	4.26	2.05	1.25	0.63	0.22
-47.5	8.40	7.14	6.71	5.65	4.14	2.57	1.35	1.12	0.76	0.27
-55	2.95	2.41	2.18	1.81	1.42	1.14	0.88	0.95	0.68	0.23
-65	0.59	0.56	0.60	0.63	0.62	0.58	0.46	0.48	0.33	0.11
-75	0.19	0.18	0.19	0.20	0.19	0.17	0.13	0.13	0.09	0.03
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00
Total	471.33	416.93	420.91	402.99	367.33	313.15	215.72	158.36	51.88	7.55

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.07	
85				
	0.00	0.00	2.76	
75				
	0.01	0.00	9.01	
65				
	0.03	0.00	45.39	
55				
	0.04	0.00	117.44	
47.5				
	0.03	0.00	143.40	
42.5				
	0.04	0.00	189.36	
37.5				
	0.04	0.00	204.40	
33				
	0.04	0.00	211.31	
29				
	0.04	0.00	212.38	
25.5				
	0.03	0.00	205.09	
22.5				
	0.04	0.00	227.57	
19.5				
	0.03	0.00	206.69	
17				
	0.03	0.00	176.08	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

LUMENS TABULATION - (Cont.)

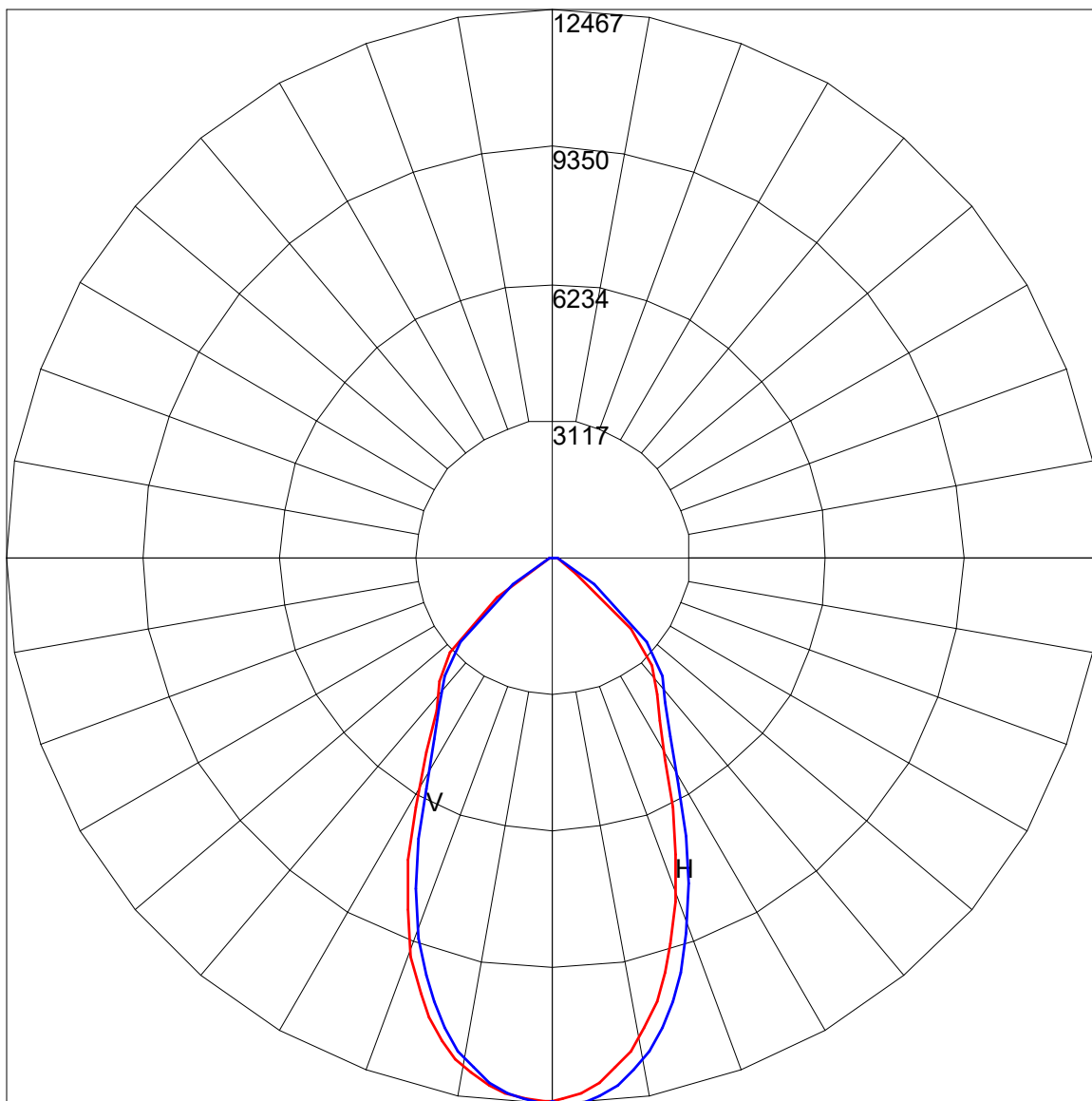
15			
	0.03	0.00	184.86
13			
	0.03	0.00	192.67
11			
	0.03	0.00	199.41
9			
	0.03	0.00	204.97
7			
	0.03	0.00	209.36
5			
	0.03	0.00	212.56
3			
	0.03	0.00	214.56
1			
	0.01	0.00	107.66
0			
	0.01	0.00	107.67
-1			
	0.03	0.00	214.64
-3			
	0.03	0.00	212.74
-5			
	0.03	0.00	209.72
-7			
	0.03	0.00	205.55
-9			
	0.03	0.00	200.22
-11			
	0.03	0.00	193.76
-13			
	0.03	0.00	186.20
-15			
	0.03	0.00	177.69
-17			
	0.03	0.00	209.01
-19.5			
	0.04	0.00	230.37
-22.5			
	0.03	0.00	207.67
-25.5			
	0.04	0.00	215.02
-29			
	0.04	0.00	213.57
-33			
	0.04	0.00	205.44
-37.5			
	0.04	0.00	188.66
-42.5			
	0.03	0.00	141.63
-47.5			
	0.04	0.00	115.67
-55			
	0.03	0.00	45.19
-65			
	0.02	0.00	9.37

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-60DB_20170928.IES

LUMENS TABULATION - (Cont.)

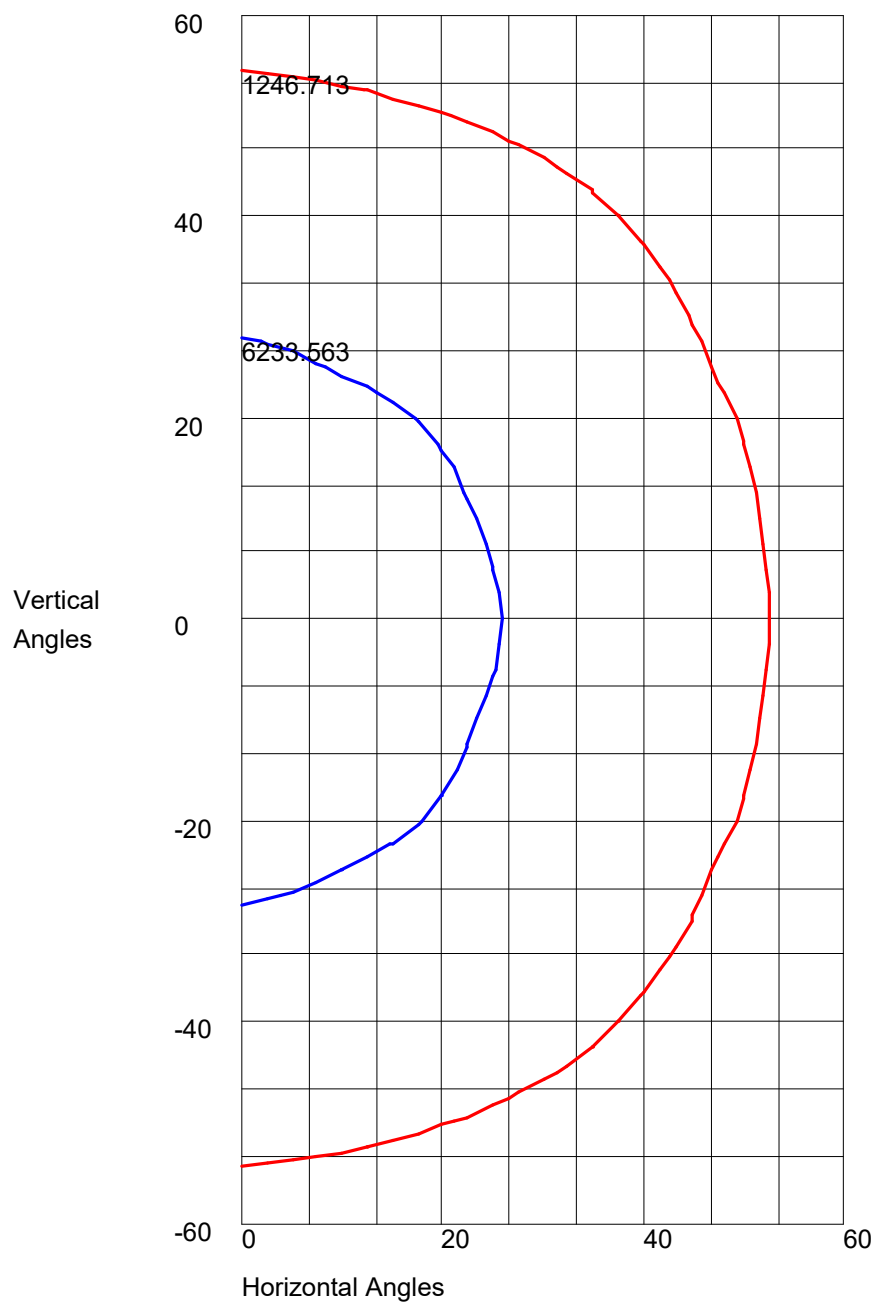
-75	0.00	0.00	2.98
-85	0.00	0.00	0.10
-90			
Total	1.23	0.01	6969.88

AXIAL CANDELA DISPLAY



Maximum Candela = 12467.127 Located At Horizontal Angle = 0, Vertical Angle = 1
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 12467.127 Located At Horizontal Angle = 0, Vertical Angle = 1
50% Maximum Candela = 6233.5635
10% Maximum Candela = 1246.7127



IES FLOOD REPORT

PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] RADIANT ZEMAX

[TESTDATE] 20170928

[ISSUEDATE] 2017-09-28 12:57:43

[MANUFAC] Larson Electronics LLC

[LUMCAT] EPL-HB-100LED-RT-125DB

[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED FIXTURE - 125 DEGREE BEAM

[LAMP] LED

[LAMPPOSITION] 0,0

[OTHER] ZVISION 9107GT SYSTEM

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

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	6818.598
Maximum Candela Angle	0H -1V
Horizontal Beam Angle (50%)	96.1
Vertical Beam Angle (50%)	96.8
Horizontal Field Angle (10%)	127.5
Vertical Field Angle (10%)	128.3
Lumens Per Lamp	13882.5 (1 lamp)
Total Lamp Lumens	13882.5
Beam Lumens	10890
Beam Efficiency	78 %
Field Lumens	13350
Field Efficiency	96 %
Spill Lumens	602
Luminaire Lumens	13953
Total Efficiency	101 %
Total Luminaire Watts	98.66
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.669	90	0
85	20.225	85	2.351
75	307.594	75	211.701
65	649.295	65	567.086
55	2355.386	55	1562.673
47.5	4072.721	47.5	3464.276
42.5	4609.513	42.5	4420.167
37.5	5005.615	37.5	4878.253
33	5391.049	33	5231.73
29	5735.833	29	5583.789
25.5	5991.999	25.5	5881.358
22.5	6168.261	22.5	6092.948
19.5	6319.108	19.5	6266.327
17	6428.529	17	6390.518
15	6506.747	15	6480.112
13	6573.566	13	6559.04
11	6631.204	11	6631.913
9	6674.781	9	6691.236
7	6707.692	7	6740.159
5	6727.318	5	6777.438
3	6737.01	3	6803.806
1	6737.01	1	6815.183
0	6748.076	0	6748.076
-1	6729.492	-1	6818.598
-3	6709.643	-3	6813.254
-5	6676.711	-5	6797.508
-7	6633.355	-7	6770.652
-9	6576.959	-9	6730.201
-11	6513.045	-11	6679.128
-13	6435.315	-13	6613.75
-15	6352.506	-15	6543.294
-17	6257.101	-17	6459.776
-19.5	6120.558	-19.5	6343.081
-22.5	5925.645	-22.5	6177.93
-25.5	5691.524	-25.5	5976.985
-29	5389.364	-29	5688.885
-33	5069.772	-33	5332.48
-37.5	4717.98	-37.5	4971.462
-42.5	4109.047	-42.5	4575.361
-47.5	3018.786	-47.5	3818.019
-55	1237.781	-55	1939.17
-65	515.391	-65	612.016
-75	182.516	-75	265.945
-85	1.841	-85	12.685
-90	0	-90	.58

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES

CANDELA TABULATION

Maximum Candela = 6818.598

Beam Edge = 3409.299 Cd (50% of Max.)

Field Edge = 681.8598 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	0.094	0.281	0.375	0.187	0.047	0.059	0.177	0.284	0.379
85.0	0.000	0.108	0.345	0.546	0.409	0.238	0.376	1.031	1.711	2.382
75.0	0.000	0.111	1.583	8.305	30.251	49.196	67.219	95.711	123.492	147.937
65.0	0.000	0.123	7.465	67.797	162.465	240.265	290.044	351.285	403.568	444.125
55.0	0.000	0.166	29.244	172.166	343.679	460.703	522.941	584.554	641.252	711.084 *
47.5	0.000	0.364	56.605	255.712	466.940	589.123	666.875	866.644 *	1239.949	*1615.432 *
42.5	0.000	0.581	74.897	308.844	531.819	673.355	950.015 *	1433.290	*1995.594	*2553.206 *
37.5	0.000	0.845	98.022	357.121	592.570	900.176 *	1462.813	*2205.674	*2880.275	*3474.015 *
33.0	0.000	1.051	116.152	396.154	637.195	1235.344	*2034.791	*2912.993	*3621.550	*4109.017 *
29.0	0.000	1.241	132.426	426.182	690.051 *	1594.227	*2544.371	*3488.559	*4128.432	*4508.457 *
25.5	0.000	1.386	143.000	450.370	762.285 *	1913.999	*2957.631	*3874.256	*4424.937	*4724.629 *
22.5	0.000	1.504	152.692	465.022	834.289 *	2153.014	*3283.961	*4146.626	*4607.150	*4880.053 *
19.5	0.000	1.605	160.927	479.286	918.766 *	2379.668	*3516.515	*4356.068	*4747.507	*5002.442 *
17.0	0.000	1.677	166.608	487.985	988.078 *	2541.932	*3678.291	*4458.797	*4837.924	*5099.844 *
15.0	0.000	1.725	171.200	494.538	1037.837	*2657.433	*3813.238	*4527.690	*4898.037	*5173.252 *
13.0	0.000	1.766	174.013	500.216	1086.537	*2756.747	*3900.762	*4583.166	*4946.280	*5241.857 *
11.0	0.000	1.921	176.930	504.970	1127.583	*2840.034	*3961.673	*4629.956	*4992.265	*5290.271 *
9.0	0.000	1.907	179.257	508.942	1164.393	*2904.229	*4022.648	*4666.217	*5025.806	*5329.900 *
7.0	0.000	1.892	180.995	512.014	1198.377	*2955.502	*4067.226	*4698.467	*5043.951	*5362.257 *
5.0	0.000	1.878	183.927	514.166	1222.315	*2993.789	*4094.618	*4710.091	*5060.844	*5383.606 *
3.0	0.000	1.863	183.363	516.474	1247.580	*3035.389	*4124.313	*4718.943	*5070.722	*5393.742 *
1.0	0.000	1.848	182.799	515.752	1241.050	*3024.326	*4114.142	*4721.232	*5073.350	*5394.759 *
0.0	0.000	1.841	182.516	515.391	1237.781	*3018.786	*4109.047	*4717.980	*5069.772	*5389.364 *
-1.0	0.000	1.841	183.010	516.075	1244.538	*3029.729	*4117.125	*4721.752	*5073.913	*5395.729 *
-3.0	0.000	1.878	183.996	517.443	1258.037	*3051.580	*4133.247	*4720.620	*5072.396	*5396.628 *
-5.0	0.000	1.902	184.980	515.779	1239.359	*3020.892	*4110.632	*4713.228	*5063.589	*5388.340 *
-7.0	0.000	1.927	182.509	514.268	1221.706	*2993.559	*4091.105	*4703.422	*5047.141	*5368.591 *
-9.0	0.000	1.951	181.232	511.833	1193.481	*2953.323	*4058.185	*4674.778	*5028.142	*5337.374 *
-11.0	0.000	1.975	179.389	508.493	1162.080	*2900.255	*4009.828	*4642.937	*4997.720	*5298.580 *
-13.0	0.000	1.821	176.983	504.529	1125.939	*2828.309	*3957.031	*4601.846	*4951.998	*5250.174 *
-15.0	0.000	1.785	174.696	499.726	1080.610	*2740.306	*3884.532	*4553.187	*4904.826	*5180.063 *
-17.0	0.000	1.739	170.446	493.834	1031.043	*2640.875	*3765.443	*4493.650	*4845.778	*5108.501 *
-19.5	0.000	1.669	165.152	485.687	964.862 *	2488.781	*3623.313	*4405.629	*4761.048	*5011.512 *
-22.5	0.000	1.567	157.433	472.571	878.186 *	2274.342	*3415.344	*4225.347	*4639.612	*4891.897 *
-25.5	0.000	1.443	148.338	459.959	800.248 *	2045.642	*3103.310	*3990.380	*4482.705	*4745.640 *
-29.0	0.000	1.304	138.302	436.267	719.335 *	1729.650	*2713.782	*3639.638	*4231.055	*4565.170 *
-33.0	0.000	1.122	122.329	407.766	653.943	1342.796	*2203.893	*3095.968	*3784.919	*4230.513 *
-37.5	0.000	0.927	105.163	370.745	607.729	988.875 *	1621.507	*2415.245	*3091.680	*3668.071 *
-42.5	0.000	0.681	83.139	322.871	547.615	709.196 *	1051.469	*1613.973	*2218.777	*2795.676 *
-47.5	0.000	0.481	62.268	270.919	485.289	605.267	705.310 *	969.095 *	1381.145	*1846.068 *
-55.0	0.000	0.279	34.073	189.169	365.967	480.387	539.899	601.941	669.887	780.848 *
-65.0	0.000	0.147	10.594	78.363	184.534	266.731	319.330	380.877	431.113	470.100
-75.0	0.000	0.131	1.992	13.551	40.236	64.904	87.854	120.325	150.558	176.196
-85.0	0.000	0.123	0.404	0.653	0.770	0.615	1.094	2.407	3.721	5.090
-90.0	0.000	0.084	0.252	0.336	0.168	0.042	0.059	0.178	0.284	0.379

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.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	0.461	0.532	0.461	0.402	0.355	0.308	0.260	0.213	0.166	0.118
85.0	2.984	3.475	3.349	3.241	3.153	3.063	3.102	2.965	2.829	2.692
75.0	166.419	182.222	191.314	196.883	201.524	204.444	207.433	209.715	211.307	214.170
65.0	478.571	501.487	519.971	529.721	537.508	544.583	550.612	555.756	560.002	563.300
55.0	813.918 *	*908.213 *	*1061.811	*1163.048	*1240.530	*1317.061	*1377.509	*1434.185	*1480.557	*1516.868 *
47.5	1986.759	*2303.448	*2596.358	*2819.131	*2954.642	*3068.864	*3171.083	*3259.627	*3331.286	*3388.268 *
42.5	3011.142	*3381.595	*3668.581	*3889.351	*4040.494	*4143.626	*4210.815	*4278.372	*4331.607	*4369.614 *
37.5	3903.206	*4201.035	*4429.955	*4549.261	*4639.738	*4701.743	*4748.805	*4788.954	*4825.741	*4847.128 *
33.0	4430.840	*4630.337	*4781.681	*4885.171	*4962.856	*5032.636	*5092.302	*5134.505	*5167.317	*5196.306 *
29.0	4717.395	*4890.120	*5030.166	*5144.768	*5230.722	*5319.164	*5391.301	*5450.396	*5499.351	*5537.588 *
25.5	4914.907	*5071.235	*5234.811	*5370.904	*5478.084	*5574.779	*5665.418	*5734.618	*5788.176	*5829.769 *
22.5	5071.266	*5233.347	*5411.706	*5564.999	*5677.419	*5782.932	*5874.968	*5954.758	*6005.753	*6044.481 *
19.5	5216.203	*5405.601	*5585.532	*5740.447	*5855.405	*5958.552	*6048.325	*6124.739	*6180.711	*6219.528 *
17.0	5333.704	*5540.338	*5732.098	*5872.105	*5982.513	*6079.680	*6166.234	*6237.669	*6301.290	*6340.125 *
15.0	5424.104	*5638.479	*5833.328	*5974.715	*6072.541	*6159.328	*6245.518	*6316.660	*6379.843	*6425.680 *
13.0	5507.385	*5725.924	*5921.489	*6057.316	*6149.251	*6227.695	*6309.630	*6384.528	*6448.517	*6501.366 *
11.0	5574.702	*5802.798	*5995.703	*6128.576	*6220.725	*6297.628	*6366.846	*6439.605	*6507.234	*6566.750 *
9.0	5624.822	*5860.284	*6056.982	*6186.928	*6276.269	*6356.187	*6424.701	*6485.308	*6552.859	*6612.221 *
7.0	5659.334	*5896.588	*6092.841	*6230.915	*6322.810	*6402.576	*6473.222	*6534.762	*6586.852	*6650.413 *
5.0	5684.341	*5922.191	*6116.270	*6252.823	*6348.377	*6433.514	*6511.932	*6571.896	*6627.253	*6670.615 *
3.0	5696.676	*5931.355	*6126.405	*6263.253	*6358.449	*6443.934	*6521.071	*6589.990	*6647.876	*6691.606 *
1.0	5697.772	*5932.032	*6126.693	*6263.326	*6359.202	*6442.482	*6520.550	*6586.361	*6643.721	*6690.310 *
0.0	5691.524	*5925.645	*6120.558	*6257.101	*6352.506	*6435.315	*6513.045	*6576.959	*6633.355	*6676.711 *
-1.0	5698.672	*5932.475	*6126.721	*6262.833	*6357.637	*6440.709	*6517.460	*6581.353	*6636.839	*6678.768 *
-3.0	5699.458	*5932.877	*6126.535	*6262.052	*6354.979	*6438.798	*6512.503	*6576.576	*6627.680	*6659.739 *
-5.0	5689.208	*5925.249	*6116.769	*6251.270	*6344.451	*6426.002	*6499.016	*6550.914	*6596.692	*6625.942 *
-7.0	5666.474	*5901.016	*6094.682	*6229.134	*6317.800	*6391.480	*6456.692	*6509.698	*6551.606	*6598.896 *
-9.0	5634.176	*5866.088	*6059.531	*6184.908	*6271.468	*6344.814	*6406.744	*6458.033	*6513.774	*6558.799 *
-11.0	5586.140	*5810.231	*5999.039	*6126.743	*6214.851	*6286.800	*6348.985	*6411.627	*6466.764	*6513.363 *
-13.0	5518.765	*5735.803	*5927.028	*6058.103	*6144.335	*6218.509	*6292.034	*6356.423	*6409.985	*6457.811 *
-15.0	5436.225	*5650.866	*5838.723	*5976.934	*6069.669	*6149.622	*6227.848	*6291.374	*6345.901	*6402.200 *
-17.0	5345.150	*5552.125	*5740.638	*5876.885	*5981.911	*6072.171	*6149.081	*6214.274	*6268.113	*6332.487 *
-19.5	5225.753	*5417.893	*5598.885	*5747.109	*5857.847	*5954.769	*6035.712	*6104.162	*6165.053	*6227.646 *
-22.5	5081.176	*5244.204	*5423.381	*5574.329	*5685.361	*5784.688	*5870.022	*5943.732	*6011.955	*6073.787 *
-25.5	4928.904	*5081.392	*5243.393	*5381.074	*5485.917	*5582.303	*5667.016	*5746.940	*5815.671	*5875.619 *
-29.0	4742.555	*4903.481	*5037.940	*5150.114	*5238.583	*5324.266	*5402.360	*5476.862	*5542.406	*5597.291 *
-33.0	4501.860	*4667.777	*4797.825	*4895.023	*4968.568	*5036.714	*5105.311	*5164.014	*5210.508	*5255.717 *
-37.5	4060.062	*4311.992	*4498.322	*4595.544	*4664.799	*4727.329	*4780.575	*4828.417	*4875.958	*4908.410 *
-42.5	3250.128	*3608.971	*3877.903	*4065.390	*4205.719	*4292.802	*4359.314	*4421.043	*4471.569	*4510.726 *
-47.5	2253.842	*2573.642	*2872.638	*3104.357	*3242.007	*3368.387	*3484.129	*3576.706	*3655.791	*3720.313 *
-55.0	917.329 *	*1089.054	*1261.520	*1397.994	*1498.569	*1595.001	*1672.301	*1744.791	*1809.157	*1861.305 *
-65.0	501.823	522.135	540.828	554.291	564.498	573.629	581.939	589.733	596.506	602.247
-75.0	197.393	213.756	225.810	234.421	241.353	245.944	250.709	254.877	258.435	263.384
-85.0	6.421	8.196	9.386	10.204	10.760	11.234	12.402	12.454	12.505	12.557
-90.0	0.462	0.533	0.539	0.545	0.549	0.553	0.557	0.561	0.566	0.570

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	0.071	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	2.556	2.419	2.351	2.327	2.280	2.232	2.185	2.137	2.090	1.814
75.0	213.182	212.195	211.701	211.660	211.579	211.497	207.489	204.743	201.259	197.012
65.0	566.825	566.999	567.086	567.037	566.939	563.450	560.159	555.867	550.609	544.260

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CANDELA TABULATION - (Cont.)

55.0	1554.717	*1560.020	*1562.673	*1566.391	*1573.822	*1548.123	*1523.512	*1488.046	*1441.009	*1389.061	*
47.5	3448.923	*3459.155	*3464.276	*3466.641	*3471.365	*3424.724	*3381.024	*3325.055	*3257.566	*3172.895	*
42.5	4408.568	*4416.297	*4420.167	*4417.108	*4410.999	*4375.809	*4343.122	*4299.705	*4243.664	*4183.440	*
37.5	4865.059	*4876.467	*4878.253	*4872.244	*4852.643	*4827.193	*4799.114	*4753.487	*4707.764	*4656.826	*
33.0	5216.639	*5229.814	*5231.730	*5225.153	*5202.399	*5171.825	*5133.160	*5093.335	*5037.979	*4977.083	*
29.0	5563.974	*5581.194	*5583.789	*5576.133	*5548.459	*5510.771	*5463.101	*5404.358	*5336.558	*5295.489	*
25.5	5859.446	*5878.459	*5881.358	*5871.412	*5838.946	*5797.484	*5742.513	*5680.154	*5624.866	*5579.448	*
22.5	6071.659	*6089.998	*6092.948	*6081.063	*6045.703	*6003.585	*5949.663	*5882.479	*5850.522	*5803.774	*
19.5	6245.697	*6263.105	*6266.327	*6252.378	*6213.173	*6165.391	*6109.370	*6067.810	*6035.882	*5993.248	*
17.0	6368.089	*6386.841	*6390.518	*6374.010	*6329.757	*6278.096	*6218.960	*6198.354	*6166.254	*6124.592	*
15.0	6455.364	*6476.085	*6480.112	*6461.429	*6412.523	*6355.361	*6315.289	*6291.525	*6260.986	*6216.929	*
13.0	6532.962	*6554.313	*6559.040	*6537.078	*6482.116	*6420.930	*6399.517	*6377.661	*6344.917	*6298.924	*
11.0	6600.499	*6625.669	*6631.913	*6605.649	*6542.059	*6490.455	*6476.815	*6454.188	*6420.065	*6361.601	*
9.0	6657.815	*6684.314	*6691.236	*6658.824	*6584.243	*6556.145	*6545.335	*6521.451	*6472.712	*6413.584	*
7.0	6700.341	*6731.386	*6740.159	*6697.612	*6611.802	*6615.978	*6603.856	*6566.149	*6518.391	*6456.325	*
5.0	6723.795	*6765.851	*6777.438	*6716.379	*6656.956	*6661.735	*6639.840	*6601.538	*6553.615	*6495.364	*
3.0	6727.948	*6781.226	*6803.806	*6699.782	*6693.614	*6686.112	*6663.218	*6632.418	*6588.878	*6533.580	*
1.0	6726.215	*6761.383	*6815.183	*6705.605	*6719.035	*6714.331	*6695.596	*6664.084	*6620.655	*6563.936	*
0.0	6709.643	*6729.492	*6748.076	*6737.010	*6737.010	*6727.318	*6707.692	*6674.781	*6631.204	*6573.566	*
-1.0	6703.679	*6700.656	*6818.598	*6772.864	*6748.818	*6733.512	*6711.264	*6676.740	*6631.694	*6573.754	*
-3.0	6675.135	*6707.275	*6813.254	*6792.352	*6766.343	*6740.249	*6708.208	*6669.969	*6621.432	*6562.950	*
-5.0	6654.656	*6732.565	*6797.508	*6785.330	*6759.960	*6740.512	*6706.329	*6659.954	*6606.947	*6543.578	*
-7.0	6627.629	*6723.373	*6770.652	*6761.967	*6736.550	*6718.224	*6689.975	*6643.146	*6588.365	*6521.885	*
-9.0	6611.195	*6693.070	*6730.201	*6724.108	*6700.129	*6677.793	*6651.106	*6615.277	*6558.992	*6493.730	*
-11.0	6576.416	*6648.532	*6679.128	*6674.064	*6652.231	*6627.577	*6600.400	*6564.740	*6520.433	*6454.024	*
-13.0	6526.374	*6587.922	*6613.750	*6610.028	*6590.865	*6563.150	*6536.477	*6502.536	*6459.103	*6404.304	*
-15.0	6464.488	*6520.709	*6543.294	*6539.518	*6520.718	*6493.615	*6463.264	*6427.887	*6388.056	*6334.782	*
-17.0	6390.142	*6439.958	*6459.776	*6456.725	*6439.283	*6412.685	*6378.515	*6344.743	*6303.068	*6251.433	*
-19.5	6280.492	*6325.783	*6343.081	*6340.275	*6323.314	*6297.751	*6263.654	*6225.041	*6184.704	*6132.514	*
-22.5	6121.710	*6162.897	*6177.930	*6175.796	*6159.876	*6135.866	*6100.201	*6054.797	*6012.622	*5958.351	*
-25.5	5923.927	*5963.545	*5976.985	*5975.211	*5958.830	*5933.463	*5898.981	*5851.202	*5800.109	*5745.919	*
-29.0	5641.488	*5676.990	*5688.885	*5688.107	*5674.470	*5651.150	*5616.894	*5573.890	*5518.281	*5469.986	*
-33.0	5292.782	*5322.524	*5332.480	*5331.925	*5320.548	*5300.692	*5271.523	*5240.775	*5199.591	*5141.965	*
-37.5	4938.757	*4963.281	*4971.462	*4970.437	*4960.132	*4943.746	*4924.907	*4892.572	*4855.557	*4813.107	*
-42.5	4549.968	*4566.889	*4575.361	*4574.597	*4573.070	*4550.098	*4527.788	*4496.766	*4458.824	*4421.131	*
-47.5	3785.466	*3807.161	*3818.019	*3820.135	*3824.363	*3787.230	*3752.193	*3701.317	*3632.846	*3550.024	*
-55.0	1914.552	*1930.961	*1939.170	*1941.443	*1945.986	*1914.054	*1883.457	*1841.086	*1787.792	*1728.466	*
-65.0	608.134	610.722	612.016	611.930	611.758	608.330	605.079	600.851	595.673	589.217	
-75.0	264.408	265.433	265.945	265.643	265.039	264.435	259.669	256.265	252.103	247.163	
-85.0	12.608	12.659	12.685	12.513	12.169	11.824	11.480	11.136	10.791	9.506	
-90.0	0.574	0.578	0.580	0.554	0.503	0.451	0.400	0.348	0.296	0.245	

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	0.000	0.000	0.000	0.000	0.074	0.161	0.259	0.371	0.494	0.494
85.0	1.692	1.559	1.378	1.160	1.524	1.935	2.249	2.415	2.474	2.116
75.0	192.798	186.699	179.216	170.589	166.168	160.828	151.889	138.429	122.690	99.699
65.0	536.699	528.380	517.909	505.964	497.843	479.718	459.318	430.854	389.475	325.002
55.0	1318.506	*1259.377	*1170.888	*1071.129	*979.972	*863.647	*760.022	*672.582	617.545	547.243
47.5	3070.246	*2953.676	*2842.778	*2666.246	*2460.230	*2192.162	*1854.115	*1430.397	*920.067	*678.903
42.5	4104.507	*4010.920	*3900.545	*3745.326	*3527.606	*3232.934	*2826.684	*2240.798	*1555.016	*926.155 *
37.5	4606.839	*4568.342	*4513.475	*4409.015	*4285.626	*4087.121	*3690.146	*3051.340	*2245.116	*1441.627 *
33.0	4938.421	*4894.346	*4826.784	*4734.104	*4629.643	*4482.477	*4224.324	*3693.414	*2860.626	*1924.294 *
29.0	5241.035	*5184.385	*5102.878	*5002.268	*4874.113	*4712.076	*4482.102	*4124.302	*3341.616	*2353.384 *
25.5	5523.084	*5456.491	*5359.544	*5224.723	*5068.359	*4875.088	*4646.099	*4349.126	*3699.325	*2717.563 *

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CANDELA TABULATION - (Cont.)

22.5	5745.841	*5678.990	*5575.726	*5418.182	*5230.647	*5022.070	*4768.412	*4477.481	*3953.550	*3013.823 *
19.5	5938.222	*5871.189	*5762.250	*5588.815	*5392.548	*5150.043	*4881.389	*4586.700	*4148.100	*3276.578 *
17.0	6074.275	*6002.010	*5884.574	*5714.706	*5512.911	*5255.084	*4966.801	*4662.439	*4273.363	*3458.990 *
15.0	6167.247	*6085.539	*5968.669	*5801.005	*5599.080	*5334.174	*5031.574	*4726.881	*4360.032	*3588.277 *
13.0	6231.164	*6153.954	*6040.371	*5875.645	*5674.626	*5414.186	*5103.004	*4782.181	*4419.990	*3703.157 *
11.0	6294.017	*6214.447	*6100.750	*5940.086	*5743.857	*5485.856	*5177.648	*4833.695	*4461.057	*3801.232 *
9.0	6344.149	*6265.740	*6152.127	*5995.853	*5812.558	*5554.648	*5234.466	*4880.404	*4502.703	*3881.508 *
7.0	6388.371	*6309.395	*6204.538	*6052.661	*5871.854	*5613.998	*5279.210	*4925.060	*4538.357	*3945.982 *
5.0	6429.573	*6354.988	*6248.548	*6098.552	*5919.215	*5661.376	*5322.523	*4953.609	*4566.410	*3996.149 *
3.0	6467.120	*6391.643	*6283.760	*6132.441	*5955.314	*5698.883	*5357.097	*4979.562	*4594.950	*4046.958 *
1.0	6497.204	*6419.844	*6310.787	*6159.719	*5983.273	*5727.237	*5383.280	*4999.543	*4604.652	*4064.124 *
0.0	6506.747	*6428.529	*6319.108	*6168.261	*5991.999	*5735.833	*5391.049	*5005.615	*4609.513	*4072.721 *
-1.0	6506.306	*6427.827	*6318.318	*6166.625	*5989.564	*5733.176	*5388.647	*5003.694	*4607.892	*4068.571 *
-3.0	6494.183	*6416.017	*6306.159	*6153.050	*5974.156	*5716.709	*5373.124	*4991.974	*4604.658	*4060.283 *
-5.0	6474.235	*6396.051	*6285.269	*6132.552	*5950.499	*5691.097	*5349.005	*4974.172	*4582.380	*4017.976 *
-7.0	6448.876	*6365.605	*6255.364	*6099.943	*5913.663	*5655.497	*5315.921	*4953.613	*4560.404	*3975.995 *
-9.0	6418.157	*6335.218	*6217.323	*6055.654	*5868.699	*5609.414	*5281.255	*4916.759	*4530.793	*3921.412 *
-11.0	6380.708	*6295.813	*6177.345	*6011.031	*5812.067	*5551.728	*5230.310	*4877.726	*4494.479	*3854.574 *
-13.0	6330.478	*6246.238	*6127.438	*5957.644	*5753.961	*5489.775	*5168.230	*4833.434	*4457.254	*3768.574 *
-15.0	6275.698	*6188.920	*6065.599	*5892.813	*5687.777	*5417.596	*5103.845	*4781.806	*4407.059	*3665.740 *
-17.0	6194.207	*6117.659	*5991.942	*5816.504	*5612.003	*5344.636	*5044.322	*4726.575	*4331.804	*3547.929 *
-19.5	6070.560	*5997.406	*5882.944	*5702.082	*5499.466	*5242.461	*4961.428	*4657.010	*4225.443	*3378.783 *
-22.5	5894.582	*5819.715	*5708.755	*5543.650	*5343.139	*5118.954	*4853.420	*4551.400	*4055.586	*3133.663 *
-25.5	5682.057	*5609.957	*5502.366	*5352.858	*5183.025	*4974.256	*4734.480	*4428.554	*3825.505	*2850.676 *
-29.0	5404.795	*5337.368	*5245.699	*5128.640	*4987.316	*4813.925	*4576.824	*4239.295	*3500.292	*2498.206 *
-33.0	5097.464	*5042.735	*4965.405	*4862.307	*4747.652	*4592.887	*4343.757	*3862.931	*3040.601	*2075.322 *
-37.5	4770.858	*4722.895	*4661.879	*4560.930	*4441.384	*4256.716	*3892.531	*3272.427	*2437.094	*1583.493 *
-42.5	4358.672	*4277.825	*4171.857	*4020.961	*3806.788	*3508.330	*3094.593	*2472.723	*1741.675	*1048.868 *
-47.5	3455.459	*3341.461	*3210.874	*3015.470	*2789.394	*2489.273	*2112.720	*1643.948	*1072.249	*722.484 *
-55.0	1639.947	*1552.583	*1445.354	*1317.531	*1201.846	*1036.995	*860.806 *	723.167 *	640.652	568.337
-65.0	581.560	573.358	563.084	551.392	539.446	521.153	498.134	467.642	425.704	360.223
-75.0	242.285	235.465	226.990	217.169	211.101	201.233	189.420	173.297	152.074	123.330
-85.0	8.833	8.105	7.119	5.832	6.557	7.412	7.815	7.706	6.506	4.450
-90.0	0.193	0.142	0.077	0.000	0.095	0.206	0.332	0.475	0.633	0.633

Vert. Angles Horizontal Angles

	55.0	65.0	75.0	85.0	90.0
90.0	0.308	0.062	0.222	0.517	0.665
85.0	1.145	0.191	0.413	0.656	0.665
75.0	61.261	21.345	4.674	0.966	0.666
65.0	225.486	99.987	27.746	1.578	0.667
55.0	422.900	227.703	70.162	2.916	0.667
47.5	544.490	328.347	116.374	5.015	0.667
42.5	614.190	391.036	148.021	7.186	0.668
37.5	673.502	445.851	175.349	9.933	0.668
33.0	800.069 *	489.002	200.222	11.553	0.668
29.0	1006.206	*523.576	221.732	13.085	0.668
25.5	1226.869	*553.194	238.335	14.324	0.668
22.5	1420.248	*571.024	251.664	15.479	0.668
19.5	1613.156	*589.266	263.929	16.519	0.668
17.0	1761.054	*601.880	273.437	17.296	0.668
15.0	1872.840	*611.290	281.195	17.856	0.668
13.0	1978.949	*619.381	286.144	18.361	0.668
11.0	2061.255	*626.564	291.255	19.731	0.669
9.0	2138.135	*632.866	295.715	19.820	0.669

IES FLOOD REPORT**PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES****CANDELA TABULATION - (Cont.)**

7.0	2208.013	*638.201	299.517	19.910	0.669
5.0	2265.907	*642.571	304.748	19.999	0.669
3.0	2326.275	*647.048	305.885	20.090	0.669
1.0	2345.675	*648.545	307.024	20.225	0.669
0.0	2355.386	*649.295	307.594	20.225	0.669
-1.0	2349.803	*648.852	307.230	20.188	0.669
-3.0	2338.651	*647.967	306.503	20.115	0.669
-5.0	2286.420	*644.080	305.777	20.042	0.669
-7.0	2236.554	*640.282	300.965	19.970	0.669
-9.0	2174.531	*635.487	297.582	19.897	0.668
-11.0	2105.133	*629.686	293.545	19.825	0.668
-13.0	2029.998	*622.994	288.860	18.483	0.668
-15.0	1930.239	*615.360	284.339	18.000	0.668
-17.0	1824.817	*606.428	276.992	17.463	0.668
-19.5	1680.846	*594.437	267.990	16.718	0.668
-22.5	1499.170	*576.708	256.333	15.720	0.668
-25.5	1313.008	*559.594	243.607	14.611	0.668
-29.0	1079.618	*531.335	227.699	13.409	0.668
-33.0	862.717	* 497.837	206.173	11.916	0.668
-37.5	703.613	* 455.179	182.159	10.336	0.668
-42.5	630.192	401.920	153.263	7.485	0.667
-47.5	559.964	342.233	123.749	5.221	0.667
-55.0	443.336	244.328	76.152	3.025	0.667
-65.0	252.770	117.570	30.961	1.600	0.666
-75.0	76.386	27.271	6.272	0.971	0.666
-85.0	2.032	0.368	0.430	0.661	0.665
-90.0	0.395	0.079	0.222	0.517	0.665

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6976.25

Total Field Lumens (one side of beam only) = 6675.11

* 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.33	0.65	0.65	0.65	0.64	0.63	0.61	0.60	0.58	0.69
65	1.19	2.37	2.36	2.34	2.31	2.28	2.23	2.19	2.13	2.58
55	3.24 *	6.49 *	6.42 *	6.30 *	6.15 *	5.96 *	5.75 *	5.49 *	5.21 *	6.10 *
47.5	5.74 *	11.47 *	11.35 *	11.13 *	10.87 *	10.55 *	10.16 *	9.72 *	9.21 *	10.76 *
42.5	6.00 *	11.99 *	11.89 *	11.72 *	11.52 *	11.27 *	10.97 *	10.62 *	10.19 *	12.06 *
37.5	7.08 *	14.12 *	14.04 *	13.90 *	13.73 *	13.51 *	13.26 *	12.96 *	12.59 *	15.16 *
33	6.93 *	13.82 *	13.73 *	13.62 *	13.47 *	13.28 *	13.06 *	12.81 *	12.53 *	15.23 *
29	6.59 *	13.13 *	13.05 *	12.93 *	12.77 *	12.58 *	12.36 *	12.12 *	11.85 *	14.41 *
25.5	6.11 *	12.18 *	12.09 *	11.97 *	11.81 *	11.62 *	11.42 *	11.18 *	10.92 *	13.25 *
22.5	5.47 *	10.90 *	10.82 *	10.72 *	10.57 *	10.41 *	10.22 *	10.01 *	9.77 *	11.84 *
19.5	5.64 *	11.25 *	11.17 *	11.06 *	10.92 *	10.76 *	10.58 *	10.36 *	10.12 *	12.26 *
17	4.82 *	9.60 *	9.53 *	9.43 *	9.32 *	9.20 *	9.05 *	8.87 *	8.66 *	10.50 *
15	3.92 *	7.80 *	7.74 *	7.67 *	7.58 *	7.48 *	7.36 *	7.22 *	7.06 *	8.56 *
13	3.97 *	7.90 *	7.84 *	7.76 *	7.68 *	7.58 *	7.46 *	7.32 *	7.16 *	8.68 *
11	4.01 *	7.99 *	7.92 *	7.85 *	7.77 *	7.66 *	7.54 *	7.40 *	7.24 *	8.79 *
9	4.05 *	8.06 *	7.99 *	7.92 *	7.84 *	7.74 *	7.61 *	7.47 *	7.31 *	8.88 *
7	4.08 *	8.12 *	8.05 *	7.99 *	7.90 *	7.80 *	7.67 *	7.53 *	7.37 *	8.95 *
5	4.11 *	8.16 *	8.10 *	8.04 *	7.95 *	7.85 *	7.72 *	7.58 *	7.41 *	9.01 *
3	4.12 *	8.18 *	8.13 *	8.07 *	7.99 *	7.89 *	7.76 *	7.61 *	7.45 *	9.05 *
1	4.13 *	8.19 *	8.15 *	8.09 *	8.01 *	7.91 *	7.78 *	7.64 *	7.47 *	9.07 *
0	2.06 *	4.10 *	4.08 *	4.05 *	4.01 *	3.96 *	3.90 *	3.82 *	3.74 *	4.54 *
-1	2.06 *	4.10 *	4.08 *	4.05 *	4.01 *	3.96 *	3.90 *	3.82 *	3.74 *	4.54 *
	4.13 *	8.20 *	8.16 *	8.10 *	8.02 *	7.92 *	7.79 *	7.64 *	7.48 *	9.08 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES

LUMENS TABULATION - (Cont.)

-3	4.13 *	8.20 *	8.15 *	8.09 *	8.01 *	7.90 *	7.78 *	7.63 *	7.47 *	9.07 *
-5	4.12 *	8.19 *	8.12 *	8.06 *	7.98 *	7.88 *	7.75 *	7.61 *	7.44 *	9.04 *
-7	4.10 *	8.16 *	8.09 *	8.02 *	7.94 *	7.83 *	7.71 *	7.57 *	7.40 *	8.99 *
-9	4.08 *	8.11 *	8.04 *	7.97 *	7.89 *	7.78 *	7.66 *	7.52 *	7.35 *	8.93 *
-11	4.04 *	8.05 *	7.98 *	7.90 *	7.82 *	7.72 *	7.60 *	7.45 *	7.29 *	8.85 *
-13	4.00 *	7.97 *	7.90 *	7.83 *	7.74 *	7.64 *	7.52 *	7.38 *	7.22 *	8.76 *
-15	3.96 *	7.88 *	7.82 *	7.74 *	7.65 *	7.55 *	7.43 *	7.29 *	7.13 *	8.64 *
-17	4.87 *	9.70 *	9.63 *	9.53 *	9.42 *	9.29 *	9.14 *	8.96 *	8.76 *	10.61 *
-19.5	5.72 *	11.39 *	11.31 *	11.20 *	11.06 *	10.90 *	10.71 *	10.49 *	10.24 *	12.41 *
-22.5	5.55 *	11.06 *	10.98 *	10.87 *	10.73 *	10.56 *	10.37 *	10.16 *	9.91 *	12.00 *
-25.5	6.21 *	12.39 *	12.30 *	12.17 *	12.01 *	11.82 *	11.60 *	11.36 *	11.09 *	13.45 *
-29	6.71 *	13.38 *	13.29 *	13.16 *	13.00 *	12.80 *	12.57 *	12.32 *	12.04 *	14.63 *
-33	7.06 *	14.08 *	13.99 *	13.87 *	13.71 *	13.52 *	13.29 *	13.04 *	12.77 *	15.53 *
-37.5	7.27 *	14.50 *	14.41 *	14.28 *	14.12 *	13.91 *	13.67 *	13.39 *	13.05 *	15.76 *
-42.5	6.39 *	12.75 *	12.65 *	12.49 *	12.29 *	12.05 *	11.76 *	11.41 *	11.00 *	13.07 *
-47.5	6.57 *	13.11 *	12.96 *	12.71 *	12.42 *	12.06 *	11.63 *	11.13 *	10.56 *	12.33 *
-55	3.88 *	7.74 *	7.65 *	7.48 *	7.29 *	7.06 *	6.80 *	6.48 *	6.12 *	7.13 *
-65	1.34	2.67	2.65	2.62	2.58	2.54	2.49	2.43	2.36	2.85
-75	0.42	0.85	0.84	0.83	0.81	0.80	0.77	0.75	0.73	0.87
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02
-90	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02
Total	190.21	378.93	376.13	372.21	367.35	361.42	354.44	346.36	337.14	406.94

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
85	0.78	0.72	0.77	0.77	0.72	0.63	0.46	0.44	0.23	0.05
75	2.95	2.79	3.01	3.09	3.01	2.75	2.13	2.13	1.29	0.31
65	6.67 *	6.01 *	6.24 *	6.22	6.02	5.63	4.57	4.87	3.27	0.91
55	11.69 *	10.32 *	10.33 *	9.67 *	8.45 *	6.87 *	5.05 *	5.43	3.94	1.23

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	13.38 *	12.04 *	12.19 *	11.43 *	9.71 *	7.34 *	4.68 *	4.49 *	3.27	1.09
42.5	17.19 *	15.89 *	16.63 *	16.15 *	14.22 *	11.04 *	6.83 *	5.67 *	3.72	1.30
37.5	17.53 *	16.54 *	17.81 *	17.96 *	16.54 *	13.43 *	8.54 *	6.60 *	3.76	1.33
33	16.63 *	15.82 *	17.28 *	17.89 *	17.17 *	14.58 *	9.63 *	7.32 *	3.78 *	1.30
29	15.27 *	14.52 *	15.92 *	16.68 *	16.41 *	14.48 *	9.95 *	7.67 *	3.75 *	1.22
25.5	13.60 *	12.91 *	14.14 *	14.86 *	14.81 *	13.45 *	9.57 *	7.52 *	3.58 *	1.10
22.5	14.07 *	13.32 *	14.56 *	15.29 *	15.35 *	14.20 *	10.39 *	8.36 *	3.93 *	1.14
19.5	12.05 *	11.40 *	12.43 *	13.03 *	13.11 *	12.28 *	9.18 *	7.56 *	3.54 *	0.98
17	9.83 *	9.30 *	10.12 *	10.60 *	10.66 *	10.06 *	7.64 *	6.40 *	2.99 *	0.80
15	9.98 *	9.44 *	10.27 *	10.74 *	10.80 *	10.24 *	7.86 *	6.67 *	3.12 *	0.82
13	10.11 *	9.57 *	10.41 *	10.87 *	10.93 *	10.37 *	8.03 *	6.91 *	3.23 *	0.83
11	10.22 *	9.67 *	10.52 *	10.99 *	11.03 *	10.49 *	8.18 *	7.12 *	3.33 *	0.84
9	10.30 *	9.76 *	10.62 *	11.08 *	11.12 *	10.59 *	8.30 *	7.29 *	3.42 *	0.84
7	10.37 *	9.83 *	10.70 *	11.15 *	11.19 *	10.66 *	8.39 *	7.43 *	3.50 *	0.85
5	10.42 *	9.88 *	10.75 *	11.21 *	11.24 *	10.71 *	8.47 *	7.55 *	3.57 *	0.86
3	10.45 *	9.91 *	10.79 *	11.25 *	11.28 *	10.75 *	8.51 *	7.62 *	3.61 *	0.86
1	5.23 *	4.96 *	5.40 *	5.63 *	5.65 *	5.38 *	4.26 *	3.82 *	1.81 *	0.43
0	5.23 *	4.96 *	5.40 *	5.64 *	5.65 *	5.38 *	4.26 *	3.82 *	1.81 *	0.43
-1	10.46 *	9.92 *	10.80 *	11.26 *	11.29 *	10.76 *	8.53 *	7.65 *	3.62 *	0.86
-3	10.45 *	9.90 *	10.78 *	11.24 *	11.26 *	10.74 *	8.50 *	7.60 *	3.59 *	0.86
-5	10.41 *	9.87 *	10.74 *	11.19 *	11.23 *	10.70 *	8.44 *	7.50 *	3.54 *	0.86
-7	10.35 *	9.81 *	10.67 *	11.13 *	11.17 *	10.64 *	8.37 *	7.38 *	3.47 *	0.85
-9	10.28 *	9.73 *	10.59 *	11.05 *	11.09 *	10.56 *	8.27 *	7.24 *	3.39 *	0.84
-11	10.18 *	9.64 *	10.49 *	10.95 *	11.00 *	10.46 *	8.15 *	7.06 *	3.30 *	0.83
-13	10.07 *	9.52 *	10.36 *	10.83 *	10.88 *	10.34 *	8.00 *	6.85 *	3.20 *	0.82
-15	9.93 *	9.39 *	10.22 *	10.69 *	10.76 *	10.19 *	7.80 *	6.60 *	3.07 *	0.81
-17	12.18 *	11.52 *	12.55 *	13.16 *	13.25 *	12.48 *	9.42 *	7.84 *	3.65 *	1.00
-19.5	14.24 *	13.48 *	14.72 *	15.46 *	15.55 *	14.50 *	10.74 *	8.73 *	4.08 *	1.16

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	13.79 *	13.07 *	14.31 *	15.05 *	15.07 *	13.82 *	9.97 *	7.93 *	3.74 *	1.12
-25.5	15.49 *	14.72 *	16.15 *	16.96 *	16.81 *	15.02 *	10.49 *	8.15 *	3.93 *	1.25
-29	16.89 *	16.09 *	17.62 *	18.35 *	17.78 *	15.34 *	10.28 *	7.83 *	3.95 *	1.34
-33	17.91 *	16.98 *	18.39 *	18.71 *	17.48 *	14.40 *	9.26 *	7.09 *	3.90	1.37
-37.5	17.97 *	16.73 *	17.64 *	17.31 *	15.44 *	12.12 *	7.52 *	6.09 *	3.84	1.35
-42.5	14.58 *	13.21 *	13.47 *	12.69 *	10.85 *	8.22 *	5.15 *	4.74 *	3.39	1.14
-47.5	13.42 *	11.86 *	11.83 *	10.94 *	9.40 *	7.54 *	5.38 *	5.67	4.14	1.31
-55	7.77 *	6.93 *	7.07 *	6.88 *	6.48	5.98	4.85	5.22	3.57	1.02
-65	3.26	3.08	3.34	3.44	3.37	3.10	2.42	2.45	1.50	0.37
-75	0.97	0.90	0.96	0.97	0.92	0.80	0.59	0.56	0.31	0.07
-85	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
-90	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
Total	464.64	435.95	469.03	480.50	466.17	419.01	307.00	262.87	135.65	38.78

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.09	
85				
	0.01	0.00	11.60	
75				
	0.03	0.00	45.48	
65				
	0.09	0.00	107.62	
55				
	0.14	0.00	174.08	
47.5				
	0.14	0.00	187.98	
42.5				
	0.17	0.00	239.17	
37.5				
	0.18	0.00	248.69	
33				
	0.18	0.00	243.38	
29				
	0.18	0.00	228.61	
25.5				
	0.16	0.00	206.44	
22.5				
	0.17	0.00	214.91	
19.5				
	0.15	0.00	184.67	
17				
	0.12	0.00	150.93	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

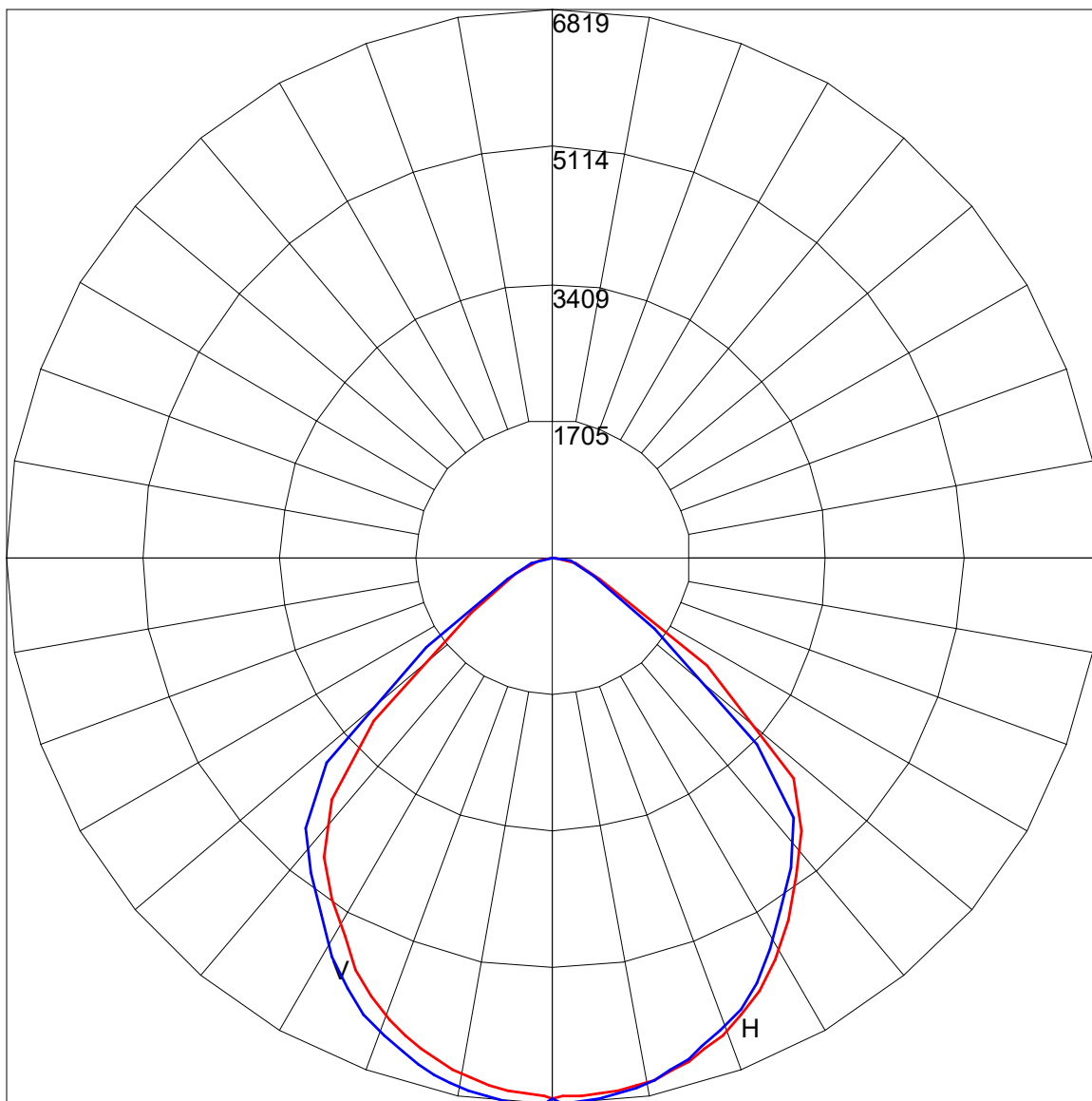
15			
	0.13	0.00	153.42
13			
	0.13	0.00	155.57
11			
	0.13	0.00	157.39
9			
	0.13	0.00	158.92
7			
	0.13	0.00	160.12
5			
	0.13	0.00	161.04
3			
	0.14	0.00	161.60
1			
	0.07	0.00	80.88
0			
	0.07	0.00	80.91
-1			
	0.14	0.00	161.82
-3			
	0.14	0.00	161.48
-5			
	0.13	0.00	160.78
-7			
	0.13	0.00	159.80
-9			
	0.13	0.00	158.50
-11			
	0.13	0.00	156.89
-13			
	0.13	0.00	154.95
-15			
	0.12	0.00	152.67
-17			
	0.15	0.00	187.12
-19.5			
	0.17	0.00	218.26
-22.5			
	0.17	0.00	210.24
-25.5			
	0.18	0.00	233.56
-29			
	0.19	0.00	249.57
-33			
	0.19	0.00	256.54
-37.5			
	0.18	0.00	250.56
-42.5			
	0.14	0.00	203.44
-47.5			
	0.15	0.00	197.14
-55			
	0.10	0.00	123.50
-65			
	0.03	0.00	50.90

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-125DB_20170928.IES

LUMENS TABULATION - (Cont.)

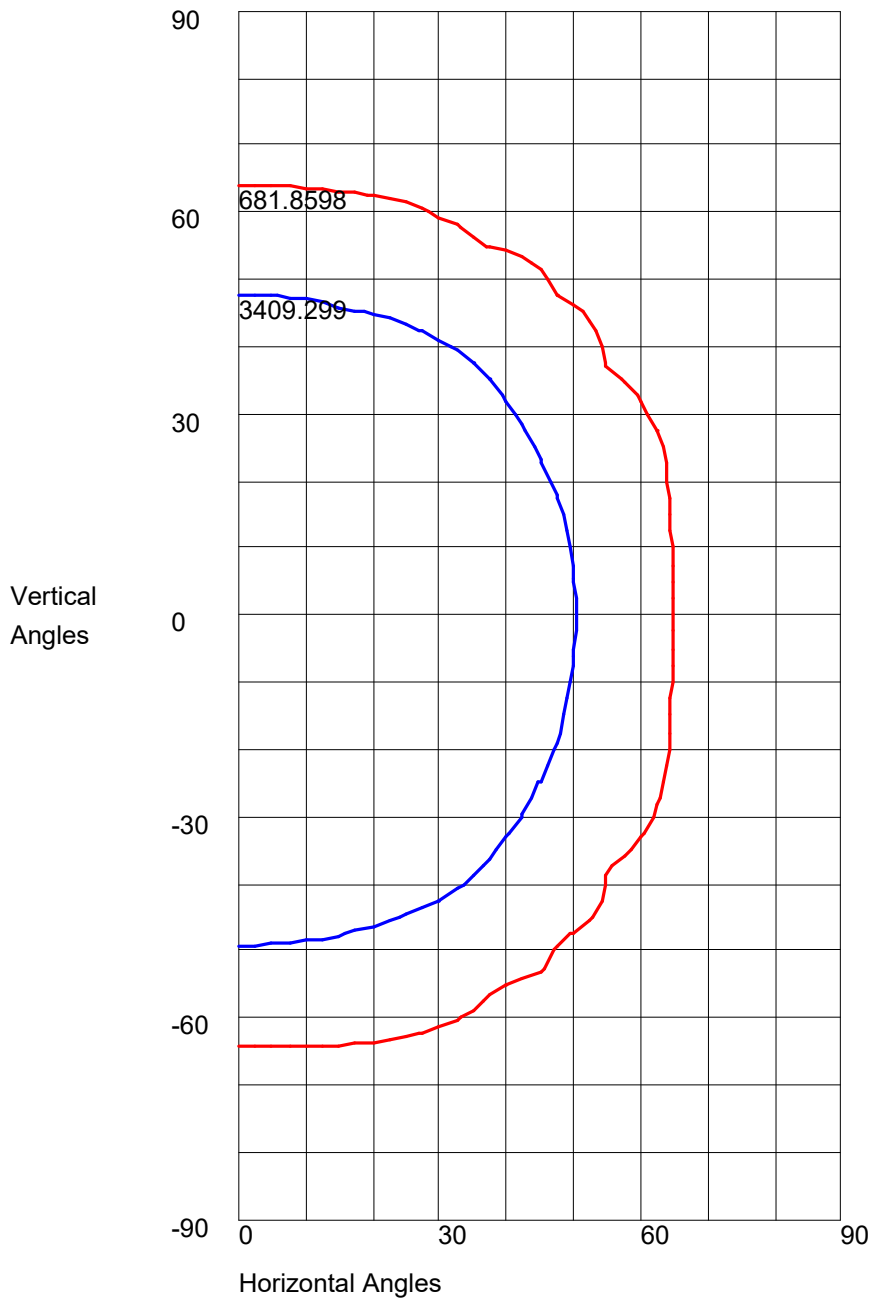
-75	0.01	0.00	14.72
-85	0.00	0.00	0.29
-90			
Total	5.50	0.03	6976.25

AXIAL CANDELA DISPLAY



Maximum Candela = 6818.598 Located At Horizontal Angle = 0, Vertical Angle = -1
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 6818.598 Located At Horizontal Angle = 0, Vertical Angle = -1
50% Maximum Candela = 3409.299
10% Maximum Candela = 681.8598



IES FLOOD REPORT

PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] RADIANT ZEMAX

[TESTDATE] 20170928

[ISSUEDATE] 2017-09-28 10:37:36

[MANUFAC] Larson Electronics LLC

[LUMCAT] EPL-HB-100LED-RT-140DB

[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED FIXTURE - 140 DEGREE BEAM

[LAMPCAT] LED

[LAMPPOSITION] 0,0

[OTHER] ZVISION 9107GT SYSTEM

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

CHARACTERISTICS

NEMA Type	6 H x 7 V
Maximum Candela	4837.613
Maximum Candela Angle	37.5H -47.5V
Horizontal Beam Angle (50%)	112.6
Vertical Beam Angle (50%)	122.1
Horizontal Field Angle (10%)	128.2
Vertical Field Angle (10%)	143.5
Lumens Per Lamp	13671.25 (1 lamp)
Total Lamp Lumens	13671.25
Beam Lumens	10096
Beam Efficiency	74 %
Field Lumens	13479
Field Efficiency	99 %
Spill Lumens	137
Luminaire Lumens	13616
Total Efficiency	100 %
Total Luminaire Watts	98.57
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1.218	90	0
85	39.718	85	38.052
75	211.898	75	220.811
65	4057.902	65	3781.945
55	4371.886	55	4482.431
47.5	3081.763	47.5	3273.915
42.5	2891.277	42.5	2897.362
37.5	2534.57	37.5	2751.518
33	2376.076	33	2411.072
29	2318.177	29	2358.123
25.5	2321.763	25.5	2355.371
22.5	2348.755	22.5	2374.409
19.5	2375.242	19.5	2400.593
17	2397.816	17	2419.607
15	2416.021	15	2437.509
13	2429.808	13	2453.795
11	2443.316	11	2466.471
9	2467.582	9	2484.954
7	2499.826	7	2514.168
5	2526.566	5	2545.049
3	2542.271	3	2567.092
1	2548.356	1	2577.545
0	2553.507	0	2553.507
-1	2547.22	-1	2577.293
-3	2535.403	-3	2569.844
-5	2508.941	-5	2549.998
-7	2477.783	-7	2521.314
-9	2449.376	-9	2489.069
-11	2433.671	-11	2467.582
-13	2419.051	-13	2454.048
-15	2401.149	-15	2436.979
-17	2383.221	-17	2417.385
-19.5	2364.208	-19.5	2397.563
-22.5	2339.665	-22.5	2371.657
-25.5	2327.267	-25.5	2354.007
-29	2334.161	-29	2355.648
-33	2380.444	-33	2402.512
-37.5	2769.976	-37.5	2659.734
-42.5	2852.139	-42.5	2876.96
-47.5	3306.159	-47.5	3227.329
-55	4526.82	-55	4521.593
-65	3495.837	-65	3939.354
-75	214.953	-75	228.538
-85	32.244	-85	39.895
-90	0	-90	1.243

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

CANDELA TABULATION

Maximum Candela = 4837.613
 Beam Edge = 2418.8065 Cd (50% of Max.)
 Field Edge = 483.7613 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	0.174	0.523	0.697	0.349	0.087	0.098	0.295	0.471	0.629
85.0	0.000	0.207	0.685	2.267	7.727	10.687	13.691	19.169	23.423	27.098
75.0	0.000	0.221	20.322	41.256	58.224	71.079	82.384	102.310	119.451	133.628
65.0	0.000	0.673	44.950	92.334	137.581	171.638	287.559	869.763 *	1547.291	*2164.675 *
55.0	0.000	5.878	72.889	154.933	924.443 *	2341.813	*3106.610	*3786.412	*4318.200	*4559.120 *
47.5	0.000	12.458	99.063	249.213	2653.522	*3967.138	*4483.504	*4709.927	*4590.222	*4299.576 *
42.5	0.000	15.891	117.390	598.281 *	3548.616	*4499.032	*4646.909	*4401.672	*3968.588	*3554.421 *
37.5	0.000	18.893	135.722	1219.104	*1147.006	*4601.150	*4341.934	*3766.618	*3310.075	*2991.858 *
33.0	0.000	21.516	151.632	1806.011	*4422.000	*4455.210	*3868.907	*3260.060	*2912.104	*2774.270 *
29.0	0.000	24.003	163.768	2239.863	*4535.882	*4198.228	*3467.680	*2945.697	*2768.791	*2890.770 *
25.5	0.000	25.935	173.276	2612.982	*4580.643	*3948.275	*3193.415	*2802.839	*2857.172	*2642.183 *
22.5	0.000	27.288	181.040	2814.934	*4591.694	*3767.514	*3005.225	*2761.128	*2820.238	*2443.943 *
19.5	0.000	28.490	187.894	3010.270	*4582.997	*3610.539	*2922.776	*2831.039	*2524.684	*2348.710 *
17.0	0.000	29.372	192.770	3129.816	*4571.604	*3507.294	*2872.229	*2896.868	*2414.611	*2320.055 *
15.0	0.000	29.997	196.757	3220.466	*4558.829	*3438.709	*2841.317	*2916.267	*2371.278	*2306.627 *
13.0	0.000	30.548	199.952	3300.229	*4543.411	*3387.527	*2827.011	*2880.197	*2362.587	*2299.900 *
11.0	0.000	32.249	203.250	3367.661	*4532.979	*3347.568	*2825.436	*2815.918	*2355.749	*2304.468 *
9.0	0.000	32.248	206.195	3413.842	*4524.947	*3315.056	*2824.794	*2772.589	*2355.443	*2309.194 *
7.0	0.000	32.247	208.782	3450.005	*4517.627	*3294.940	*2827.216	*2748.033	*2359.132	*2314.510 *
5.0	0.000	32.246	212.177	3476.014	*4514.915	*3287.031	*2834.147	*2742.975	*2362.996	*2319.932 *
3.0	0.000	32.245	213.286	3503.510	*4512.215	*3277.331	*2839.281	*2739.602	*2368.518	*2325.309 *
1.0	0.000	32.245	214.397	3498.396	*4521.948	*3296.539	*2847.847	*2751.221	*2375.598	*2330.957 *
0.0	0.000	32.244	214.953	3495.837	*4526.820	*3306.159	*2852.139	*2769.976	*2380.444	*2334.161 *
-1.0	0.000	32.244	214.413	3498.407	*4525.927	*3300.760	*2849.559	*2763.942	*2377.825	*2332.526 *
-3.0	0.000	32.237	213.335	3503.543	*4524.144	*3289.980	*2844.410	*2779.320	*2375.264	*2330.037 *
-5.0	0.000	32.233	212.258	3475.843	*4534.870	*3308.514	*2843.241	*2813.714	*2374.426	*2327.876 *
-7.0	0.000	32.228	208.937	3449.464	*4545.638	*3325.516	*2840.656	*2854.513	*2375.797	*2326.321 *
-9.0	0.000	32.224	206.429	3412.633	*4561.086	*3355.497	*2843.571	*2914.559	*2378.181	*2325.322 *
-11.0	0.000	32.219	203.588	3365.405	*4576.291	*3399.021	*2851.128	*2958.557	*2386.858	*2325.370 *
-13.0	0.000	30.512	200.426	3296.037	*4593.427	*3450.971	*2861.311	*2984.402	*2411.715	*2326.151 *
-15.0	0.000	29.955	197.385	3213.567	*4614.518	*3515.264	*2886.912	*2980.510	*2448.401	*2334.615 *
-17.0	0.000	29.324	193.583	3119.550	*4632.221	*3598.205	*2931.620	*2929.179	*2551.054	*2350.909 *
-19.5	0.000	28.435	188.968	2994.979	*4649.426	*3720.100	*3000.195	*2841.681	*2758.836	*2393.302 *
-22.5	0.000	27.225	182.324	2785.799	*4664.669	*3896.364	*3104.300	*2798.943	*2965.673	*2526.402 *
-25.5	0.000	25.862	174.623	2572.932	*4660.681	*4099.659	*3304.905	*2859.162	*2881.354	*2863.575 *
-29.0	0.000	23.920	164.996	2197.160	*4622.179	*4343.783	*3599.144	*3022.655	*2803.380	*2939.259 *
-33.0	0.000	21.420	152.618	1745.398	*4501.840	*4586.344	*4014.432	*3362.613	*2971.567	*2806.751 *
-37.5	0.000	18.784	136.593	1095.480	*4200.272	*4712.889	*4478.337	*3894.731	*3405.722	*3057.758 *
-42.5	0.000	15.789	117.782	528.652 *	3543.437	*4576.964	*4764.572	*4533.936	*4099.195	*3677.049 *
-47.5	0.000	12.401	99.129	237.328	2578.444	*3991.622	*4543.414	*4820.065	*4725.996	*4448.900 *
-55.0	0.000	5.952	72.902	159.591	807.252 *	2257.904	*3065.794	*3778.394	*4341.935	*4614.686 *
-65.0	0.000	0.712	44.710	92.464	140.842	165.843	226.356	775.169 *	1440.749	*2097.309 *
-75.0	0.000	0.235	19.843	40.839	57.783	70.245	80.807	100.609	117.900	131.722
-85.0	0.000	0.218	0.726	2.463	8.256	10.702	13.513	18.726	22.848	26.346
-90.0	0.000	0.174	0.523	0.698	0.349	0.087	0.090	0.270	0.433	0.577

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.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	0.766	0.884	0.766	0.668	0.589	0.511	0.432	0.354	0.275	0.196
85.0	30.046	32.446	33.337	34.080	34.663	35.229	36.577	36.845	37.114	37.382
75.0	145.316	153.791	163.097	171.383	178.118	185.035	191.973	198.358	204.210	210.961
65.0	2668.165	*3022.733	*3300.379	*3432.770	*3524.983	*3594.805	*3653.914	*3698.120	*3732.693	*3757.907 *
55.0	4644.011	*4654.947	*4620.922	*4586.759	*4561.009	*4536.417	*4517.048	*4501.277	*4485.729	*4477.137 *
47.5	4012.088	*3779.826	*3573.245	*3421.924	*3365.658	*3320.344	*3283.162	*3261.471	*3248.966	*3245.763 *
42.5	3265.490	*3068.773	*2939.768	*2868.423	*2828.367	*2823.754	*2828.153	*2835.163	*2845.732	*2861.951 *
37.5	2834.562	*2780.618	*2842.264	*2890.886	*2872.298	*2801.300	*2757.624	*2733.396	*2713.495	*2714.544 *
33.0	2840.598	*2844.506	*2650.894	*2502.531	*2422.713	*2381.994	*2374.667	*2374.679	*2380.503	*2386.645 *
29.0	2711.138	*2488.571	*2371.792	*2339.151	*2326.248	*2320.056	*2319.639	*2325.954	*2332.634	*2339.565 *
25.5	2423.361	*2349.338	*2321.532	*2314.286	*2312.815	*2314.413	*2317.439	*2324.200	*2332.310	*2339.679 *
22.5	2340.355	*2316.899	*2310.075	*2311.831	*2315.487	*2321.445	*2328.782	*2337.110	*2347.498	*2357.757 *
19.5	2311.963	*2305.402	*2309.526	*2315.561	*2323.857	*2335.118	*2349.216	*2362.456	*2374.067	*2383.674 *
17.0	2301.937	*2303.903	*2312.428	*2322.633	*2336.553	*2351.945	*2366.752	*2379.964	*2391.150	*2402.099 *
15.0	2298.352	*2305.106	*2318.418	*2334.413	*2348.780	*2363.743	*2379.237	*2393.054	*2407.634	*2419.045 *
13.0	2296.905	*2308.116	*2326.669	*2346.147	*2361.035	*2374.992	*2390.027	*2407.024	*2423.233	*2436.441 *
11.0	2298.540	*2312.972	*2336.452	*2357.187	*2373.063	*2386.796	*2402.255	*2420.450	*2437.342	*2450.292 *
9.0	2305.640	*2319.485	*2345.267	*2366.723	*2382.598	*2399.696	*2416.469	*2431.852	*2446.879	*2461.826 *
7.0	2311.547	*2326.836	*2352.944	*2374.069	*2392.265	*2411.142	*2428.296	*2441.691	*2454.431	*2477.774 *
5.0	2316.717	*2332.733	*2358.477	*2379.443	*2398.561	*2418.283	*2434.747	*2449.128	*2470.135	*2491.837 *
3.0	2321.469	*2336.499	*2362.024	*2382.588	*2401.756	*2421.099	*2436.728	*2455.208	*2485.161	*2513.189 *
1.0	2325.494	*2339.102	*2364.104	*2383.778	*2402.378	*2420.691	*2435.686	*2453.384	*2483.929	*2517.639 *
0.0	2327.267	*2339.665	*2364.208	*2383.221	*2401.149	*2419.051	*2433.671	*2449.376	*2477.783	*2508.941 *
-1.0	2326.498	*2339.459	*2364.170	*2383.379	*2401.425	*2419.531	*2433.798	*2450.533	*2480.061	*2511.422 *
-3.0	2324.592	*2337.462	*2362.318	*2381.461	*2399.310	*2417.663	*2431.785	*2446.918	*2473.920	*2497.434 *
-5.0	2322.238	*2334.039	*2359.266	*2377.999	*2395.283	*2413.537	*2427.895	*2437.512	*2453.981	*2471.482 *
-7.0	2319.943	*2330.056	*2354.806	*2373.284	*2388.091	*2403.601	*2418.259	*2427.481	*2434.747	*2452.118 *
-9.0	2316.919	*2325.281	*2347.499	*2364.363	*2376.687	*2391.064	*2405.352	*2416.412	*2426.021	*2434.245 *
-11.0	2313.422	*2320.397	*2336.375	*2353.891	*2366.153	*2377.056	*2390.021	*2404.008	*2415.623	*2423.490 *
-13.0	2312.620	*2316.238	*2325.173	*2341.414	*2353.298	*2363.452	*2375.487	*2388.389	*2400.593	*2411.228 *
-15.0	2313.661	*2313.310	*2317.290	*2327.528	*2339.946	*2351.506	*2363.098	*2372.988	*2383.069	*2397.084 *
-17.0	2317.804	*2311.536	*2313.716	*2315.979	*2325.342	*2338.192	*2349.815	*2359.146	*2366.802	*2382.813 *
-19.5	2330.801	*2312.950	*2311.034	*2311.956	*2313.654	*2320.425	*2330.201	*2340.410	*2352.325	*2366.808 *
-22.5	2368.966	*2329.036	*2312.297	*2309.750	*2310.102	*2310.401	*2312.267	*2316.082	*2329.489	*2342.945 *
-25.5	2505.172	*2376.017	*2332.811	*2316.797	*2311.468	*2308.933	*2307.981	*2312.970	*2321.602	*2330.751 *
-29.0	2917.324	*2575.928	*2419.217	*2364.670	*2342.291	*2327.254	*2321.229	*2324.551	*2330.008	*2336.356 *
-33.0	2867.847	*2994.885	*2842.374	*2629.213	*2524.950	*2453.114	*2413.649	*2399.750	*2394.414	*2392.035 *
-37.5	2879.789	*2813.843	*2861.454	*2956.805	*3016.938	*3026.471	*2986.100	*2911.146	*2809.464	*2750.527 *
-42.5	3371.482	*3156.342	*3018.561	*2928.153	*2874.631	*2847.687	*2841.885	*2841.777	*2846.433	*2856.080 *
-47.5	4168.845	*3937.986	*3726.270	*3574.892	*3486.121	*3413.786	*3350.450	*3305.090	*3270.591	*3246.672 *
-55.0	4721.456	*4738.754	*4712.056	*4685.670	*4663.078	*4636.878	*4612.937	*4590.571	*4565.817	*4546.333 *
-65.0	2619.440	*2993.187	*3295.406	*3451.943	*3562.504	*3650.633	*3726.856	*3786.695	*3836.594	*3876.982 *
-75.0	142.497	150.016	159.848	169.023	176.524	185.150	193.698	201.488	208.569	216.597
-85.0	29.092	31.250	32.559	33.629	34.475	35.305	36.872	37.421	37.971	38.521
-90.0	0.703	0.811	0.869	0.917	0.955	0.993	1.032	1.070	1.108	1.147

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	0.118	0.039	0.000	0.001	0.003	0.006	0.008	0.010	0.012	0.015
85.0	37.650	37.918	38.052	37.436	36.203	34.971	33.739	32.506	31.274	29.000
75.0	214.900	218.841	220.811	217.496	210.868	204.241	195.278	187.274	179.035	170.606
65.0	3783.527	*3782.473	*3781.945	*3769.820	*3745.578	*3693.182	*3640.118	*3575.747	*3499.254	*3409.012 *

CANDELA TABULATION - (Cont.)

55.0	4469.067	*4477.975	*4482.431	*4471.992	*4451.127	*4446.054	*4440.650	*4440.656	*4442.122	*4446.933 *
47.5	3241.035	*3262.948	*3273.915	*3259.508	*3230.723	*3229.293	*3226.882	*3233.370	*3247.679	*3278.243 *
42.5	2876.978	*2890.561	*2897.362	*2885.973	*2863.229	*2839.548	*2815.081	*2795.434	*2780.040	*2769.911 *
37.5	2721.823	*2738.397	*2751.518	*2729.483	*2693.948	*2664.763	*2638.325	*2640.803	*2656.175	*2714.356 *
33.0	2394.724	*2404.571	*2411.072	*2402.772	*2389.323	*2377.629	*2367.757	*2357.993	*2354.455	*2355.624 *
29.0	2346.892	*2354.233	*2358.123	*2351.077	*2337.512	*2324.202	*2311.397	*2299.020	*2287.623	*2290.895 *
25.5	2346.426	*2352.554	*2355.371	*2348.914	*2335.570	*2321.787	*2307.696	*2293.253	*2284.230	*2284.267 *
22.5	2365.559	*2372.006	*2374.409	*2367.785	*2353.027	*2337.250	*2320.268	*2301.954	*2297.731	*2293.373 *
19.5	2391.610	*2398.134	*2400.593	*2393.586	*2377.911	*2360.827	*2342.813	*2331.157	*2323.561	*2315.644 *
17.0	2410.755	*2417.349	*2419.607	*2412.073	*2395.254	*2377.155	*2358.220	*2355.692	*2348.523	*2339.268 *
15.0	2428.389	*2435.431	*2437.509	*2429.330	*2410.617	*2390.041	*2376.814	*2372.550	*2367.072	*2358.612 *
13.0	2445.169	*2451.888	*2453.795	*2444.444	*2423.701	*2402.703	*2395.803	*2390.762	*2384.413	*2374.152 *
11.0	2458.577	*2464.934	*2466.471	*2455.971	*2432.392	*2414.791	*2411.661	*2407.243	*2399.695	*2386.244 *
9.0	2476.243	*2484.175	*2484.954	*2472.393	*2442.650	*2430.690	*2425.198	*2419.458	*2410.011	*2396.073 *
7.0	2502.821	*2513.866	*2514.168	*2498.481	*2461.558	*2458.532	*2445.265	*2428.333	*2418.284	*2404.579 *
5.0	2524.137	*2544.350	*2545.049	*2522.566	*2495.904	*2489.597	*2463.134	*2438.103	*2424.517	*2412.742 *
3.0	2534.115	*2561.656	*2567.092	*2528.829	*2523.590	*2503.925	*2474.007	*2448.812	*2431.803	*2421.250 *
1.0	2543.062	*2559.625	*2577.545	*2537.414	*2533.923	*2520.489	*2494.079	*2463.418	*2440.489	*2427.639 *
0.0	2535.403	*2547.220	*2553.507	*2548.356	*2542.271	*2526.566	*2499.826	*2467.582	*2443.316	*2429.808 *
-1.0	2533.581	*2534.853	*2577.293	*2561.682	*2541.538	*2524.768	*2497.647	*2466.651	*2443.880	*2431.186 *
-3.0	2512.100	*2533.204	*2569.844	*2558.297	*2546.651	*2518.107	*2484.445	*2458.448	*2442.649	*2431.420 *
-5.0	2493.945	*2528.773	*2549.998	*2542.652	*2525.638	*2514.346	*2481.789	*2455.133	*2442.637	*2429.368 *
-7.0	2469.676	*2506.541	*2521.314	*2515.323	*2496.565	*2487.078	*2470.260	*2451.723	*2440.615	*2425.077 *
-9.0	2450.770	*2477.916	*2489.069	*2485.489	*2473.004	*2464.166	*2455.950	*2446.870	*2436.191	*2420.054 *
-11.0	2439.584	*2459.000	*2467.582	*2465.529	*2459.670	*2453.587	*2446.873	*2439.235	*2429.178	*2416.257 *
-13.0	2429.990	*2446.768	*2454.048	*2452.858	*2448.306	*2441.160	*2433.882	*2426.261	*2420.129	*2409.309 *
-15.0	2414.637	*2430.502	*2436.979	*2435.892	*2431.115	*2425.217	*2419.268	*2414.529	*2406.637	*2397.700 *
-17.0	2397.879	*2411.530	*2417.385	*2417.140	*2414.686	*2410.892	*2405.511	*2400.251	*2391.903	*2381.134 *
-19.5	2380.016	*2392.209	*2397.563	*2397.341	*2395.228	*2391.539	*2385.888	*2378.923	*2369.699	*2359.802 *
-22.5	2355.392	*2366.792	*2371.657	*2371.173	*2368.475	*2364.550	*2360.212	*2355.646	*2351.507	*2346.309 *
-25.5	2340.271	*2349.510	*2354.007	*2353.666	*2352.776	*2351.686	*2350.068	*2348.212	*2346.874	*2345.805 *
-29.0	2343.647	*2351.455	*2355.648	*2355.245	*2355.156	*2355.932	*2358.146	*2361.892	*2368.919	*2376.345 *
-33.0	2394.076	*2398.711	*2402.512	*2403.594	*2408.774	*2416.670	*2428.583	*2442.257	*2461.304	*2494.705 *
-37.5	2699.036	*2665.064	*2659.734	*2667.781	*2707.309	*2764.674	*2829.849	*2929.179	*3010.879	*3060.698 *
-42.5	2866.357	*2873.422	*2876.960	*2875.472	*2872.500	*2867.844	*2864.914	*2870.641	*2884.818	*2906.399 *
-47.5	3221.849	*3225.501	*3227.329	*3230.985	*3238.289	*3275.358	*3312.439	*3360.226	*3418.065	*3491.204 *
-55.0	4525.894	*4523.027	*4521.593	*4527.306	*4538.724	*4566.376	*4592.073	*4621.255	*4649.158	*4678.158 *
-65.0	3917.419	*3932.041	*3939.354	*3926.878	*3901.932	*3848.859	*3794.131	*3726.822	*3645.651	*3549.166 *
-75.0	221.372	226.149	228.538	225.502	219.431	213.362	204.904	197.500	189.926	182.251
-85.0	39.070	39.620	39.895	39.228	37.894	36.561	35.227	33.893	32.560	30.205
-90.0	1.185	1.223	1.243	1.188	1.080	0.972	0.864	0.755	0.647	0.539

Vert. Horizontal Angles
Angles

	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5
90.0	0.017	0.019	0.022	0.025	0.170	0.339	0.532	0.749	0.991	0.991
85.0	27.490	25.969	24.064	21.859	22.228	22.486	22.695	23.084	23.084	21.468
75.0	162.424	154.214	144.275	134.635	131.902	127.582	121.023	112.346	15.548	89.064
65.0	3306.884	*3182.425	*3009.861	*2794.895	*2586.754	*2220.967	*1798.313	*1275.124	*709.314 *	262.337
55.0	4451.709	*4455.065	*4466.567	*4514.714	*4552.656	*4558.613	*4462.455	*4135.897	*3555.102	*2798.898 *
47.5	3315.918	*3362.239	*3466.868	*3615.825	*3798.737	*4037.879	*4324.171	*4625.409	*4634.989	*4248.981 *
42.5	2772.697	*2804.532	*2861.515	*2951.334	*3089.186	*3294.352	*3612.793	*4113.620	*4577.362	*4624.811 *
37.5	2817.092	*2854.759	*2820.939	*2744.256	*2747.677	*2832.690	*3063.823	*3522.784	*4191.725	*4623.957 *
33.0	2375.985	*2402.606	*2456.287	*2605.449	*2873.838	*2771.633	*2806.667	*3118.907	*3751.380	*4454.744 *
29.0	2301.118	*2315.499	*2340.129	*2377.266	*2447.633	*2762.188	*2778.786	*2889.038	*3412.705	*4213.511 *
25.5	2284.907	*2287.579	*2297.464	*2322.815	*2369.302	*2479.061	*2914.241	*2794.024	*3190.009	*3962.892 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	2290.698	*2289.313	*2288.953	*2299.820	*2333.705	*2399.751	*2730.417	*2786.085	*3041.379	*3743.568 *
19.5	2306.557	*2297.118	*2293.178	*2292.005	*2310.396	*2369.422	*2516.353	*2890.974	*2932.832	*3555.403 *
17.0	2327.379	*2314.989	*2298.353	*2293.031	*2299.032	*2346.768	*2453.015	*2959.398	*2868.320	*3426.425 *
15.0	2346.775	*2328.514	*2308.407	*2295.272	*2295.340	*2333.150	*2424.659	*2945.579	*2830.553	*3343.182 *
13.0	2359.772	*2342.536	*2319.368	*2298.849	*2293.984	*2321.398	*2409.135	*2850.738	*2812.054	*3275.339 *
11.0	2370.921	*2353.857	*2330.615	*2303.822	*2295.271	*2314.461	*2394.711	*2728.770	*2809.546	*3216.435 *
9.0	2379.105	*2362.743	*2340.801	*2311.853	*2300.026	*2310.855	*2385.372	*2636.281	*2817.663	*3170.395 *
7.0	2386.959	*2369.781	*2351.093	*2322.070	*2305.009	*2310.241	*2378.865	*2577.355	*2832.763	*3135.374 *
5.0	2397.193	*2379.591	*2359.687	*2331.874	*2310.083	*2311.345	*2374.377	*2557.126	*2854.564	*3110.207 *
3.0	2406.339	*2388.413	*2367.043	*2339.995	*2315.161	*2313.532	*2373.313	*2540.833	*2878.702	*3084.117 *
1.0	2413.646	*2395.458	*2373.095	*2346.538	*2319.811	*2316.364	*2374.300	*2533.022	*2887.079	*3082.549 *
0.0	2416.021	*2397.816	*2375.242	*2348.755	*2321.763	*2318.177	*2376.076	*2534.570	*2891.277	*3081.763 *
-1.0	2416.523	*2398.256	*2375.967	*2348.963	*2322.584	*2319.679	*2378.583	*2546.671	*2888.577	*3087.465 *
-3.0	2414.944	*2396.803	*2375.600	*2347.300	*2323.598	*2323.652	*2386.444	*2582.647	*2883.188	*3098.851 *
-5.0	2411.319	*2393.753	*2373.758	*2344.102	*2324.479	*2328.711	*2397.081	*2629.329	*2864.044	*3135.314 *
-7.0	2406.291	*2389.941	*2370.159	*2338.942	*2325.561	*2335.657	*2411.703	*2682.510	*2848.675	*3171.215 *
-9.0	2404.185	*2387.887	*2363.448	*2334.831	*2326.470	*2345.510	*2428.021	*2772.276	*2841.001	*3217.787 *
-11.0	2399.962	*2383.031	*2357.052	*2332.726	*2329.134	*2359.685	*2447.669	*2882.742	*2841.159	*3276.493 *
-13.0	2394.025	*2374.808	*2349.295	*2332.980	*2333.396	*2375.783	*2481.071	*2993.697	*2851.092	*3349.763 *
-15.0	2383.855	*2363.946	*2342.600	*2333.088	*2340.325	*2391.603	*2526.820	*3051.593	*2879.812	*3433.148 *
-17.0	2367.491	*2352.412	*2338.016	*2334.158	*2350.035	*2412.564	*2607.125	*3019.330	*2934.261	*3532.384 *
-19.5	2350.081	*2341.544	*2337.520	*2340.323	*2368.462	*2442.066	*2744.342	*2912.029	*3020.208	*3681.626 *
-22.5	2342.830	*2340.069	*2341.198	*2357.149	*2401.435	*2495.379	*2967.501	*2836.577	*3155.633	*3898.370 *
-25.5	2347.823	*2351.560	*2365.297	*2392.395	*2450.116	*2667.287	*3011.663	*2868.899	*3326.007	*4141.151 *
-29.0	2390.198	*2406.754	*2433.128	*2477.412	*2609.109	*3007.681	*2845.644	*2996.818	*3580.137	*4399.617 *
-33.0	2525.092	*2577.653	*2716.375	*2921.756	*3014.366	*2851.967	*2907.676	*3265.779	*3947.633	*4630.972 *
-37.5	3049.138	*2999.851	*2932.003	*2853.690	*2865.521	*2963.661	*3218.902	*3718.087	*4396.653	*4785.906 *
-42.5	2942.246	*2991.630	*3052.312	*3147.049	*3298.464	*3519.118	*3840.882	*4335.752	*4773.118	*4748.347 *
-47.5	3581.499	*3686.517	*3784.092	*3935.017	*4102.893	*4313.003	*4572.637	*4837.613	*4785.183	*4344.578 *
-55.0	4703.145	*4724.725	*4749.343	*4780.930	*4796.158	*4771.723	*4644.769	*4289.720	*3632.359	*2809.127 *
-65.0	3438.506	*3307.848	*3129.382	*2865.770	*2624.991	*2232.570	*1771.670	*1220.938	*659.671 *	243.623
-75.0	174.906	167.451	158.415	148.594	143.669	138.058	128.485	117.817	106.204	92.418
-85.0	28.590	26.958	24.904	22.481	22.778	23.047	23.278	23.653	23.341	21.569
-90.0	0.430	0.322	0.187	0.025	0.163	0.325	0.510	0.718	0.949	0.946

Vert. Angles **Horizontal Angles**

	55.0	65.0	75.0	85.0	90.0
90.0	0.629	0.146	0.421	0.949	1.212
85.0	15.311	6.838	2.361	1.196	1.213
75.0	65.062	35.092	23.155	4.683	1.214
65.0	140.354	88.006	41.922	13.687	1.215
55.0	1224.331	*144.699	72.635	21.089	1.215
47.5	2948.999	*303.359	100.486	25.337	1.216
42.5	3782.448	*867.141 *	118.716	27.802	1.216
37.5	4317.318	*1685.870	*134.540	30.330	1.217
33.0	4541.496	*2305.891	*147.401	31.857	1.217
29.0	4625.331	*2773.438	*156.722	33.298	1.217
25.5	4646.233	*3143.801	*164.670	34.457	1.217
22.5	4635.437	*3364.167	*170.522	35.447	1.218
19.5	4601.504	*3548.404	*176.950	36.346	1.218
17.0	4568.370	*3671.430	*182.875	37.023	1.218
15.0	4537.854	*3760.062	*187.765	37.514	1.218
13.0	4504.070	*3832.210	*192.238	37.962	1.218
11.0	4474.604	*3893.742	*196.857	39.114	1.218
9.0	4447.172	*3941.096	*200.902	39.223	1.218

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CANDELA TABULATION - (Cont.)

7.0	4419.574	*3980.251	*204.369	39.332	1.218
5.0	4398.222	*4011.553	*209.100	39.442	1.218
3.0	4376.234	*4042.899	*210.217	39.552	1.218
1.0	4373.336	*4052.898	*211.338	39.718	1.218
0.0	4371.886	*4057.902	*211.898	39.718	1.218
-1.0	4378.861	*4053.440	*211.371	39.665	1.218
-3.0	4392.793	*4044.524	*210.317	39.558	1.218
-5.0	4425.097	*4014.114	*209.265	39.451	1.218
-7.0	4456.203	*3983.638	*204.664	39.345	1.218
-9.0	4492.570	*3945.110	*201.335	39.239	1.218
-11.0	4528.704	*3898.133	*197.466	39.134	1.218
-13.0	4566.241	*3835.923	*193.072	37.983	1.218
-15.0	4607.606	*3762.328	*188.851	37.539	1.218
-17.0	4644.671	*3671.845	*184.217	37.049	1.218
-19.5	4684.457	*3546.011	*178.645	36.374	1.218
-22.5	4721.088	*3345.943	*172.504	35.477	1.217
-25.5	4730.253	*3125.724	*166.749	34.486	1.217
-29.0	4702.699	*2738.439	*159.457	33.326	1.217
-33.0	4603.190	*2238.624	*149.938	31.881	1.217
-37.5	4360.348	*1632.945	*136.890	30.347	1.216
-42.5	3816.154	*777.250	*120.364	27.852	1.216
-47.5	2926.674	*298.594	102.217	25.401	1.216
-55.0	1156.109	*151.928	73.668	21.120	1.215
-65.0	148.467	91.716	42.519	13.781	1.214
-75.0	67.263	36.115	23.304	4.771	1.213
-85.0	15.654	7.560	2.635	1.180	1.212
-90.0	0.591	0.118	0.405	0.943	1.211

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6807.99

Total Field Lumens (one side of beam only) = 6739.73

* 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	0.03	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05
75	0.39	0.77	0.75	0.73	0.70	0.67	0.64	0.61	0.58	0.68
65	6.09 *	12.13 *	12.02 *	11.84 *	11.64 *	11.39 *	11.09 *	10.74 *	10.33 *	12.26 *
55	12.58 *	25.08 *	24.93 *	24.74 *	24.52 *	24.24 *	23.91 *	23.52 *	23.06 *	28.07 *
47.5	8.85 *	17.62 *	17.54 *	17.49 *	17.44 *	17.39 *	17.36 *	17.33 *	17.30 *	21.66 *
42.5	4.69 *	9.33 *	9.26 *	9.21 *	9.15 *	9.10 *	9.06 *	9.04 *	9.05 *	11.43 *
37.5	4.29 *	8.52 *	8.45 *	8.37 *	8.30 *	8.26 *	8.24 *	8.28 *	8.31 *	10.34 *
33	3.53 *	7.01 *	6.95 *	6.90 *	6.86 *	6.83 *	6.84 *	6.90 *	6.96 *	8.71 *
29	2.90 *	5.78 *	5.74 *	5.70 *	5.66 *	5.61 *	5.57 *	5.55 *	5.56 *	7.01 *
25.5	2.51 *	5.00 *	4.97 *	4.93 *	4.89 *	4.84 *	4.80 *	4.77 *	4.74 *	5.88 *
22.5	2.16 *	4.30 *	4.27 *	4.24 *	4.20 *	4.16 *	4.12 *	4.08 *	4.04 *	5.00 *
19.5	2.18 *	4.34 *	4.31 *	4.28 *	4.23 *	4.19 *	4.15 *	4.10 *	4.05 *	4.99 *
17	1.83 *	3.65 *	3.63 *	3.60 *	3.56 *	3.53 *	3.49 *	3.44 *	3.39 *	4.17 *
15	1.48 *	2.94 *	2.92 *	2.90 *	2.87 *	2.84 *	2.81 *	2.77 *	2.73 *	3.35 *
13	1.49 *	2.96 *	2.94 *	2.92 *	2.89 *	2.86 *	2.83 *	2.79 *	2.75 *	3.37 *
11	1.50 *	2.98 *	2.96 *	2.93 *	2.91 *	2.88 *	2.85 *	2.81 *	2.76 *	3.38 *
9	1.51 *	3.00 *	2.97 *	2.95 *	2.93 *	2.90 *	2.86 *	2.82 *	2.77 *	3.40 *
7	1.52 *	3.02 *	2.99 *	2.97 *	2.94 *	2.91 *	2.87 *	2.83 *	2.78 *	3.41 *
5	1.54 *	3.05 *	3.02 *	2.99 *	2.95 *	2.92 *	2.88 *	2.84 *	2.79 *	3.42 *
3	1.55 *	3.08 *	3.05 *	3.01 *	2.97 *	2.93 *	2.89 *	2.85 *	2.80 *	3.43 *
1	1.56 *	3.09 *	3.07 *	3.03 *	2.98 *	2.93 *	2.90 *	2.85 *	2.81 *	3.44 *
0	0.78 *	1.55 *	1.54 *	1.52 *	1.49 *	1.47 *	1.45 *	1.43 *	1.40 *	1.72 *
-1	0.78 *	1.55 *	1.54 *	1.52 *	1.49 *	1.47 *	1.45 *	1.43 *	1.41 *	1.72 *
	1.56 *	3.09 *	3.07 *	3.03 *	2.98 *	2.94 *	2.90 *	2.86 *	2.81 *	3.44 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

LUMENS TABULATION - (Cont.)

-3	1.55 *	3.08 *	3.05 *	3.01 *	2.97 *	2.93 *	2.90 *	2.85 *	2.81 *	3.44 *
-5	1.54 *	3.06 *	3.03 *	2.99 *	2.96 *	2.92 *	2.89 *	2.85 *	2.80 *	3.43 *
-7	1.52 *	3.03 *	3.00 *	2.97 *	2.95 *	2.92 *	2.88 *	2.84 *	2.79 *	3.43 *
-9	1.51 *	3.00 *	2.98 *	2.96 *	2.93 *	2.90 *	2.87 *	2.83 *	2.79 *	3.42 *
-11	1.50 *	2.98 *	2.96 *	2.94 *	2.92 *	2.89 *	2.86 *	2.82 *	2.78 *	3.40 *
-13	1.49 *	2.97 *	2.95 *	2.93 *	2.90 *	2.87 *	2.84 *	2.81 *	2.76 *	3.39 *
-15	1.48 *	2.95 *	2.93 *	2.91 *	2.88 *	2.86 *	2.83 *	2.79 *	2.75 *	3.38 *
-17	1.83 *	3.65 *	3.63 *	3.61 *	3.58 *	3.55 *	3.51 *	3.46 *	3.42 *	4.21 *
-19.5	2.18 *	4.34 *	4.32 *	4.29 *	4.26 *	4.22 *	4.18 *	4.13 *	4.09 *	5.05 *
-22.5	2.16 *	4.31 *	4.29 *	4.26 *	4.23 *	4.20 *	4.16 *	4.13 *	4.09 *	5.06 *
-25.5	2.51 *	5.01 *	4.99 *	4.97 *	4.94 *	4.91 *	4.88 *	4.85 *	4.82 *	6.01 *
-29	2.90 *	5.79 *	5.77 *	5.76 *	5.74 *	5.73 *	5.73 *	5.74 *	5.79 *	7.37 *
-33	3.47 *	6.97 *	7.02 *	7.08 *	7.18 *	7.27 *	7.34 *	7.37 *	7.34 *	9.16 *
-37.5	4.22 *	8.46 *	8.50 *	8.55 *	8.64 *	8.73 *	8.78 *	8.76 *	8.70 *	10.73 *
-42.5	4.65 *	9.29 *	9.28 *	9.29 *	9.30 *	9.33 *	9.37 *	9.44 *	9.54 *	12.10 *
-47.5	8.85 *	17.71 *	17.75 *	17.82 *	17.88 *	17.95 *	18.02 *	18.10 *	18.18 *	22.81 *
-55	12.88 *	25.72 *	25.62 *	25.47 *	25.27 *	25.02 *	24.69 *	24.30 *	23.82 *	28.98 *
-65	6.34 *	12.61 *	12.47 *	12.27 *	12.03 *	11.75 *	11.41 *	11.02 *	10.58 *	12.51 *
-75	0.41	0.80	0.78	0.75	0.72	0.69	0.66	0.63	0.59	0.70
-85	0.03	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
-90										
Total	130.30	259.68	258.34	256.74	254.94	253.00	250.83	248.44	245.72	302.97

Vert. Angles	Horizontal Angles									
	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.03	0.01
85	0.75	0.70	0.76	0.78	0.76	0.57	0.44	0.60	0.44	0.17
75	13.57 *	12.14 *	12.06 *	10.75 *	8.32 *	5.04 *	2.27	1.78	1.25	0.50
65	32.40 *	30.72 *	33.12 *	33.45 *	31.05 *	25.84 *	17.81 *	14.29 *	5.53	0.93
55	26.15 *	26.27 *	30.62 *	34.41 *	36.67 *	36.13 *	29.41 *	28.28 *	12.27 *	1.17

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

LUMENS TABULATION - (Cont.)

47.5	14.00 *	14.39 *	17.39 *	20.68 *	24.02 *	26.38 *	24.01 *	27.04 *	14.21 *	1.60
42.5	12.27 *	12.25 *	14.58 *	17.38 *	20.82 *	24.47 *	24.30 *	30.49 *	19.17 *	3.17 *
37.5	10.43 *	10.46 *	12.08 *	13.78 *	16.22 *	19.57 *	20.77 *	28.59 *	20.92 *	4.44 *
33	8.59 *	8.84 *	10.46 *	11.73 *	13.14 *	15.58 *	17.13 *	25.33 *	20.73 *	5.07 *
29	7.04 *	7.12 *	8.59 *	10.09 *	11.14 *	12.60 *	13.94 *	21.70 *	19.40 *	5.20 *
25.5	5.92 *	5.87 *	6.91 *	8.34 *	9.43 *	10.31 *	11.25 *	18.15 *	17.34 *	4.93 *
22.5	5.89 *	5.79 *	6.70 *	7.89 *	9.17 *	10.14 *	10.73 *	17.73 *	17.77 *	5.25 *
19.5	4.91 *	4.80 *	5.51 *	6.30 *	7.51 *	8.45 *	8.65 *	14.48 *	15.06 *	4.58 *
17	3.93 *	3.84 *	4.38 *	4.95 *	5.98 *	6.74 *	6.76 *	11.41 *	12.18 *	3.78 *
15	3.94 *	3.84 *	4.37 *	4.92 *	5.92 *	6.68 *	6.66 *	11.29 *	12.27 *	3.87 *
13	3.95 *	3.84 *	4.37 *	4.90 *	5.82 *	6.58 *	6.59 *	11.18 *	12.34 *	3.95 *
11	3.97 *	3.85 *	4.37 *	4.89 *	5.72 *	6.48 *	6.55 *	11.09 *	12.40 *	4.01 *
9	3.98 *	3.86 *	4.38 *	4.89 *	5.66 *	6.43 *	6.52 *	11.01 *	12.43 *	4.06 *
7	4.00 *	3.87 *	4.38 *	4.89 *	5.62 *	6.41 *	6.51 *	10.96 *	12.46 *	4.10 *
5	4.01 *	3.88 *	4.39 *	4.89 *	5.61 *	6.41 *	6.50 *	10.92 *	12.49 *	4.13 *
3	4.02 *	3.89 *	4.40 *	4.90 *	5.61 *	6.42 *	6.51 *	10.90 *	12.50 *	4.15 *
1	2.01 *	1.95 *	2.20 *	2.45 *	2.81 *	3.22 *	3.26 *	5.46 *	6.26 *	2.08 *
0	2.01 *	1.95 *	2.20 *	2.46 *	2.82 *	3.22 *	3.26 *	5.46 *	6.26 *	2.08 *
-1	4.02 *	3.90 *	4.41 *	4.91 *	5.65 *	6.46 *	6.53 *	10.93 *	12.52 *	4.15 *
-3	4.02 *	3.89 *	4.41 *	4.92 *	5.69 *	6.49 *	6.53 *	10.97 *	12.52 *	4.13 *
-5	4.01 *	3.89 *	4.41 *	4.93 *	5.75 *	6.52 *	6.55 *	11.04 *	12.51 *	4.10 *
-7	4.00 *	3.89 *	4.41 *	4.94 *	5.82 *	6.59 *	6.58 *	11.12 *	12.49 *	4.06 *
-9	3.99 *	3.88 *	4.42 *	4.96 *	5.92 *	6.68 *	6.63 *	11.22 *	12.47 *	4.01 *
-11	3.98 *	3.88 *	4.42 *	4.99 *	6.03 *	6.77 *	6.70 *	11.34 *	12.42 *	3.95 *
-13	3.97 *	3.88 *	4.44 *	5.04 *	6.12 *	6.85 *	6.79 *	11.48 *	12.36 *	3.87 *
-15	3.97 *	3.88 *	4.46 *	5.12 *	6.19 *	6.89 *	6.92 *	11.64 *	12.27 *	3.78 *
-17	4.96 *	4.87 *	5.62 *	6.61 *	7.82 *	8.60 *	8.89 *	14.80 *	15.18 *	4.58 *
-19.5	5.96 *	5.89 *	6.87 *	8.34 *	9.58 *	10.35 *	11.09 *	18.17 *	17.91 *	5.23 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

LUMENS TABULATION - (Cont.)

-22.5	6.02 *	6.00 *	7.21 *	8.76 *	9.73 *	10.61 *	11.68 *	18.65 *	17.46 *	4.89 *
-25.5	7.23 *	7.41 *	9.10 *	10.52 *	11.40 *	13.04 *	14.51 *	22.32 *	19.53 *	5.14 *
-29	9.12 *	9.34 *	10.91 *	12.08 *	13.53 *	16.21 *	17.82 *	26.00 *	20.80 *	4.97 *
-33	11.01 *	10.90 *	12.42 *	14.21 *	16.84 *	20.39 *	21.53 *	29.24 *	20.86 *	4.27 *
-37.5	12.71 *	12.72 *	15.18 *	18.13 *	21.72 *	25.44 *	25.06 *	31.03 *	18.97 *	2.96 *
-42.5	14.80 *	15.19 *	18.30 *	21.67 *	25.02 *	27.26 *	24.58 *	27.26 *	13.98 *	1.48
-47.5	27.48 *	27.53 *	31.93 *	35.67 *	37.78 *	36.91 *	29.71 *	27.96 *	11.86 *	1.17
-55	33.34 *	31.45 *	33.74 *	33.83 *	31.14 *	25.73 *	17.58 *	13.81 *	5.23	0.95
-65	13.76 *	12.20 *	12.00 *	10.52 *	7.94 *	4.79 *	2.21	1.76	1.28	0.51
-75	0.78	0.72	0.78	0.80	0.77	0.71	0.56	0.61	0.45	0.17
-85	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.03	0.01
-90										
Total	356.97	349.57	397.76	440.77	480.39	507.05	478.37	649.61	538.79	141.60

Vert. Angles	Horizontal Angles		
	75	85	90
90			
	0.00	0.00	1.00
85			
	0.03	0.00	12.53
75			
	0.10	0.00	177.30
65			
	0.18	0.00	459.98
55			
	0.20	0.00	431.58
47.5			
	0.17	0.00	273.22
42.5			
	0.20	0.00	260.45
37.5			
	0.20	0.00	224.95
33			
	0.19	0.00	191.86
29			
	0.18	0.00	164.35
25.5			
	0.16	0.00	139.17
22.5			
	0.17	0.00	138.07
19.5			
	0.14	0.00	114.69
17			
	0.12	0.00	91.71

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

LUMENS TABULATION - (Cont.)

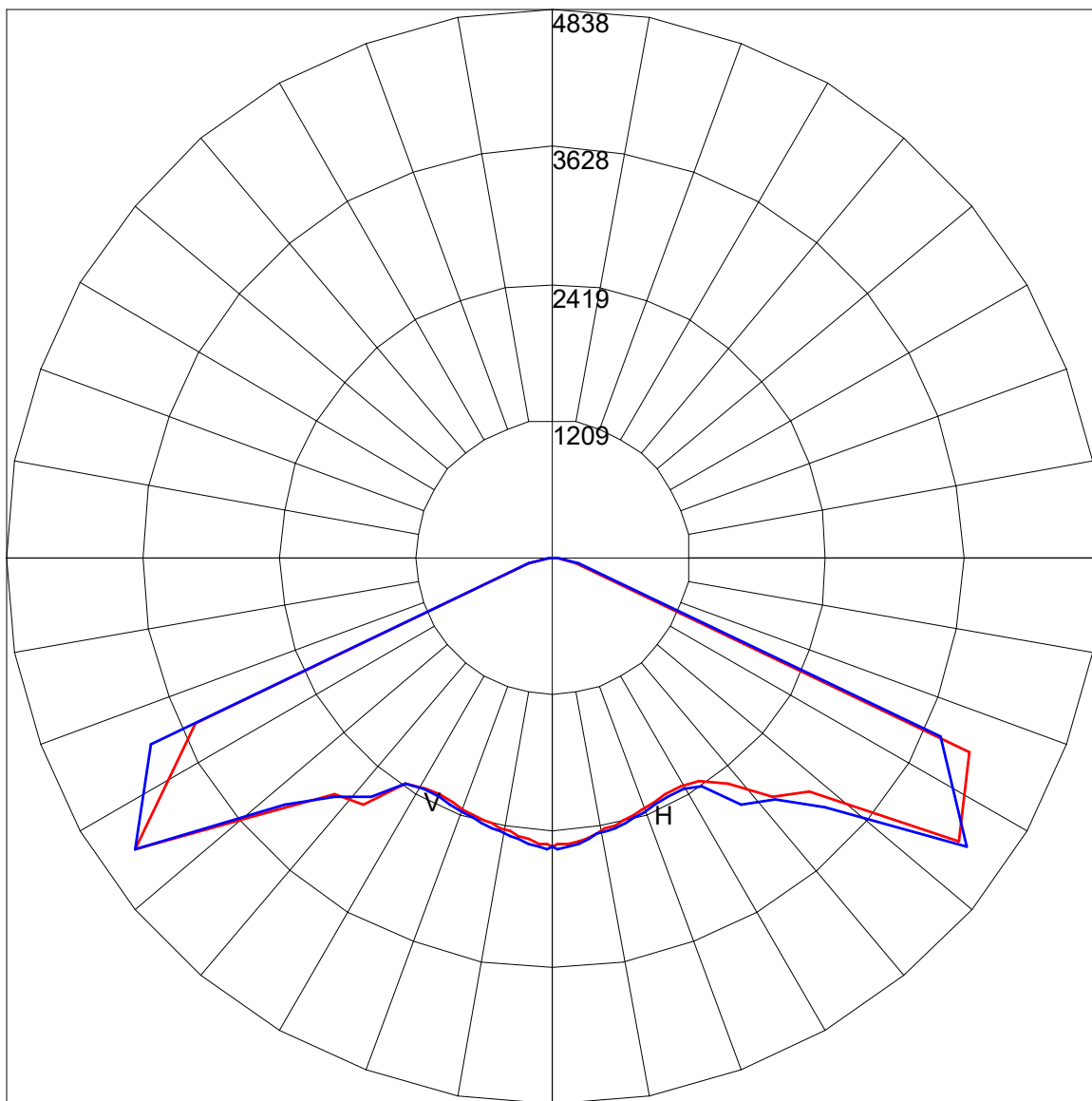
15			
	0.12	0.00	91.67
13			
	0.12	0.00	91.59
11			
	0.13	0.00	91.54
9			
	0.13	0.00	91.59
7			
	0.13	0.00	91.75
5			
	0.13	0.00	91.93
3			
	0.13	0.00	92.10
1			
	0.07	0.00	46.11
0			
	0.07	0.00	46.13
-1			
	0.13	0.00	92.27
-3			
	0.13	0.00	92.29
-5			
	0.13	0.00	92.31
-7			
	0.13	0.00	92.36
-9			
	0.13	0.00	92.49
-11			
	0.12	0.00	92.66
-13			
	0.12	0.00	92.83
-15			
	0.12	0.00	92.98
-17			
	0.14	0.00	116.53
-19.5			
	0.17	0.00	140.63
-22.5			
	0.16	0.00	142.06
-25.5			
	0.18	0.00	168.27
-29			
	0.19	0.00	197.28
-33			
	0.20	0.00	232.06
-37.5			
	0.20	0.00	268.18
-42.5			
	0.17	0.00	281.30
-47.5			
	0.20	0.00	443.27
-55			
	0.18	0.00	468.73
-65			
	0.10	0.00	180.07

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-HB-100LED-RT-140DB_20170928.IES

LUMENS TABULATION - (Cont.)

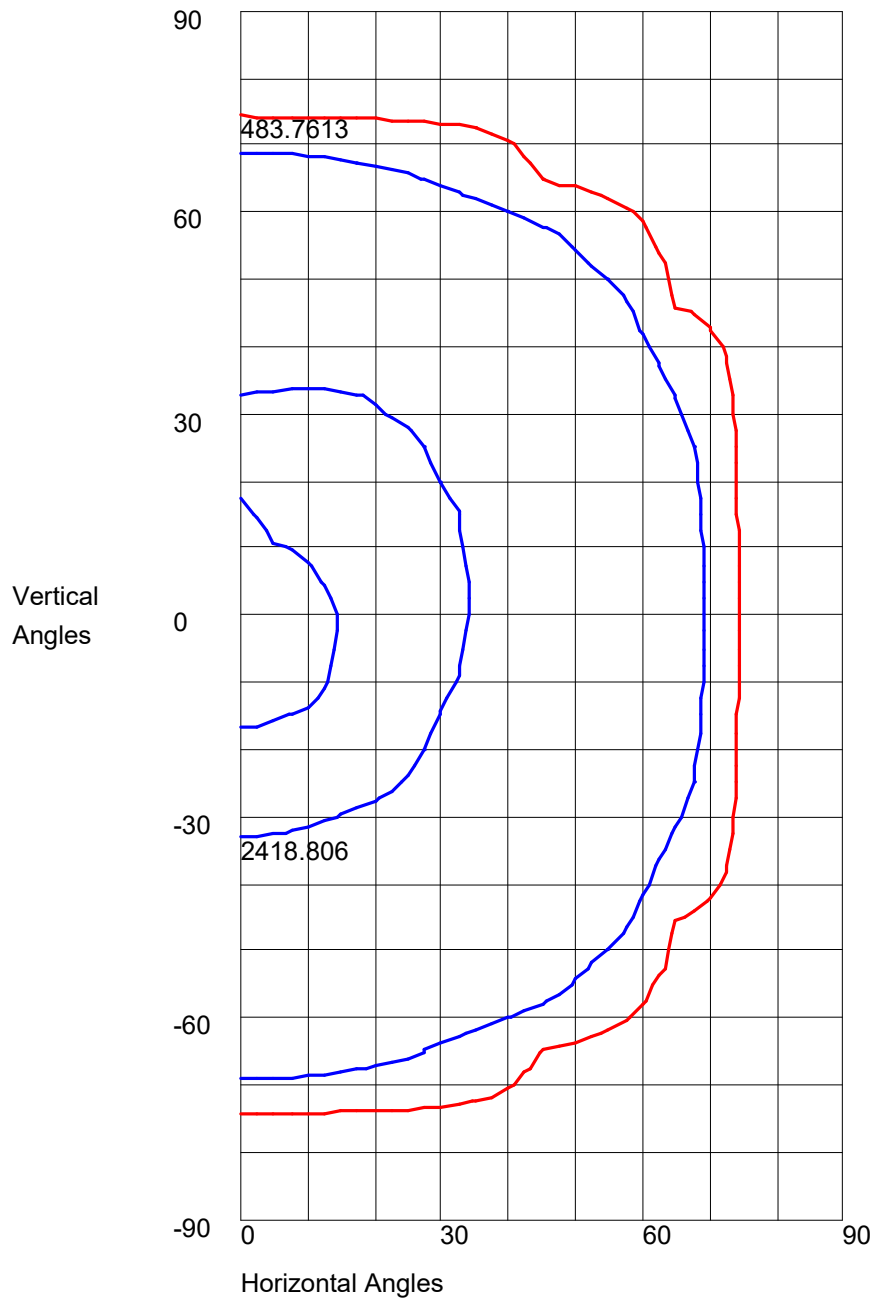
-75	0.03	0.00	13.12
-85	0.00	0.00	1.03
-90			
Total	6.02	0.12	6807.99

AXIAL CANDELA DISPLAY



Maximum Candela = 4837.613 Located At Horizontal Angle = 37.5, Vertical Angle = -47.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 4837.613 Located At Horizontal Angle = 37.5, Vertical Angle = -47.5
50% Maximum Candela = 2418.8065
10% Maximum Candela = 483.7613