



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000738-001A
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] FHBC48-LED114DMV35
 [LUMINAIRE] Catalog Number: FHBC48-LED114DMV35
 [MORE] White formed steel housing, silver matte aluminum reflector, no enclosure.
 [MORE] 336 White LEDs, Six boards with 56 LEDs each.
 [MORE] One Philips Advance Xitanium XI190C275V054BSG1 LED driver.
 [MORE] 120.0Vac, 60.0Hz, 0.95A, 114W, 0.995PF, 5.53%THD(i)
 [OTHER] Absolute test - lamp lumens value set to -1
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [MORE] The sample was tested at a distance of 9.5m.
 [MORE] This IES file created by LightLab/LSA Report program version 3.808a.
 [DATE] This file extrapolated from LLIA000738-001A Monday, September 18, 2017
 [ISSUEDATE] Tuesday, February 28, 2017 2:06:09 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	114
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.41 m
Luminous Height	0.03 m

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11868	11115	10731
55	11634	10548	10316
65	10619	9536	4968
75	8179	3895	544
85	2914	164	52

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	5684.756	5684.756	5684.756	5684.756	5684.756
0.5	5755.614	5671.564	5673.169	5658.208	5713.863
1.0	5754.252	5670.699	5673.245	5658.131	5711.928
1.5	5752.507	5669.769	5672.799	5658.017	5711.087
2.0	5750.228	5668.152	5672.303	5658.284	5710.119
2.5	5747.949	5666.548	5671.221	5658.539	5708.630
3.0	5744.931	5664.625	5669.985	5659.086	5707.242
3.5	5742.054	5662.473	5668.929	5659.659	5706.771
4.0	5738.603	5660.232	5667.961	5662.435	5708.235
4.5	5734.872	5657.558	5667.706	5665.962	5715.442
5.0	5730.543	5655.113	5669.018	5676.072	5726.838
5.5	5725.577	5651.688	5670.597	5687.862	5738.412
6.0	5720.331	5648.441	5673.602	5699.080	5749.871
6.5	5714.894	5645.245	5679.522	5710.285	5757.448
7.0	5708.668	5641.196	5685.927	5717.836	5763.126
7.5	5702.442	5636.944	5691.861	5723.005	5762.808
8.0	5695.897	5632.996	5697.781	5724.495	5757.982
8.5	5689.148	5628.795	5702.531	5721.057	5750.852
9.0	5681.687	5624.924	5704.988	5715.225	5742.716
9.5	5674.098	5621.626	5705.345	5707.255	5733.739
10.0	5666.089	5618.557	5703.244	5698.647	5724.877
10.5	5657.940	5616.227	5697.972	5690.562	5715.964
11.0	5648.722	5613.604	5691.160	5682.476	5707.420
11.5	5639.478	5611.070	5683.113	5673.831	5698.673
12.0	5630.272	5607.747	5674.340	5665.313	5691.020
12.5	5620.238	5604.118	5664.969	5657.291	5685.125
13.0	5609.937	5599.738	5655.139	5650.339	5680.898
13.5	5599.484	5594.734	5645.131	5645.080	5680.796
14.0	5588.482	5588.673	5634.690	5642.355	5686.538
14.5	5577.417	5581.810	5624.122	5643.068	5699.488
15.0	5566.162	5574.171	5614.063	5648.556	5719.414
15.5	5554.104	5565.181	5604.004	5659.939	5743.913
16.0	5541.982	5555.084	5594.263	5677.714	5769.009
16.5	5529.657	5544.439	5585.796	5698.227	5790.184
17.0	5516.567	5532.840	5579.366	5718.600	5803.681
17.5	5503.605	5520.425	5574.795	5735.674	5809.423
18.0	5490.363	5507.361	5572.795	5746.714	5808.303
18.5	5477.375	5493.724	5573.330	5751.641	5802.624
19.0	5463.815	5479.731	5575.928	5750.865	5793.673
19.5	5450.382	5464.859	5579.951	5745.886	5782.455
20.0	5436.235	5449.656	5584.281	5737.444	5769.544
20.5	5421.593	5434.707	5588.253	5726.952	5755.678
21.0	5407.548	5419.785	5590.711	5715.123	5740.360
21.5	5393.135	5404.492	5591.131	5701.461	5724.635
22.0	5378.314	5388.933	5589.374	5686.946	5707.993
22.5	5363.314	5373.781	5584.586	5671.653	5690.562
23.0	5347.806	5359.074	5576.794	5655.661	5671.653
23.5	5331.622	5344.444	5566.518	5638.752	5650.721
24.0	5315.451	5329.929	5554.053	5621.053	5629.164
24.5	5298.962	5315.630	5539.626	5601.635	5605.162
25.0	5281.811	5301.203	5524.207	5580.919	5577.290
25.5	5264.367	5286.229	5508.787	5559.693	5547.444
26.0	5246.146	5270.988	5493.011	5536.787	5514.046
26.5	5227.735	5255.467	5472.664	5513.155	5476.382

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION - (Cont.)

27.0	5209.476	5239.576	5453.017	5486.683	5433.854
27.5	5189.893	5223.329	5431.537	5455.742	5386.908
28.0	5169.902	5206.127	5408.083	5419.186	5335.595
28.5	5150.077	5189.027	5385.877	5377.117	5285.096
29.0	5128.953	5170.959	5362.652	5333.901	5232.853
29.5	5108.007	5152.394	5335.977	5288.611	5182.775
30.0	5086.807	5133.257	5309.149	5242.454	5137.000
30.5	5064.754	5113.903	5279.570	5195.419	5095.224
31.0	5042.675	5093.263	5248.031	5147.072	5055.051
31.5	5020.724	5072.763	5215.307	5102.456	5016.891
32.0	4997.983	5052.072	5181.005	5061.100	4978.234
32.5	4974.542	5030.108	5144.627	5020.889	4937.043
33.0	4951.750	5008.080	5106.811	4981.990	4895.738
33.5	4927.468	4985.887	5068.026	4943.461	4854.178
34.0	4903.569	4962.407	5027.714	4904.549	4809.600
34.5	4878.778	4939.042	4987.440	4866.108	4761.228
35.0	4853.452	4915.334	4946.542	4827.120	4711.875
35.5	4828.101	4890.797	4904.676	4787.241	4665.948
36.0	4801.960	4864.950	4862.225	4746.929	4624.884
36.5	4775.883	4838.733	4820.448	4706.184	4585.934
37.0	4748.278	4810.822	4777.717	4663.630	4549.251
37.5	4720.457	4782.326	4735.596	4622.338	4514.541
38.0	4692.267	4752.480	4694.215	4581.019	4479.984
38.5	4662.128	4721.361	4652.069	4539.892	4445.211
39.0	4632.970	4689.975	4610.547	4499.414	4411.112
39.5	4602.716	4657.735	4569.725	4459.446	4376.695
40.0	4571.852	4623.611	4528.216	4420.127	4341.259
40.5	4540.758	4589.945	4488.388	4382.094	4307.174
41.0	4509.512	4555.465	4448.076	4344.506	4273.037
41.5	4477.348	4520.156	4406.745	4306.970	4238.442
42.0	4444.803	4484.695	4366.483	4270.579	4203.464
42.5	4411.978	4448.814	4326.349	4236.264	4168.194
43.0	4378.783	4411.800	4285.311	4204.941	4132.708
43.5	4345.105	4374.365	4244.299	4160.542	4097.896
44.0	4310.459	4337.032	4202.981	4121.783	4061.633
44.5	4275.010	4298.044	4160.134	4084.692	4023.931
45.0	4240.186	4258.992	4117.161	4050.288	3988.508
45.5	4203.935	4219.571	4073.856	4007.136	3952.550
46.0	4166.857	4178.355	4030.845	3966.875	3915.498
46.5	4129.512	4138.005	3988.534	3927.951	3877.758
47.0	4091.835	4096.801	3945.535	3889.344	3838.960
47.5	4052.682	4054.592	3901.912	3849.783	3800.062
48.0	4014.088	4012.535	3858.824	3810.235	3761.659
48.5	3975.228	3969.460	3815.927	3770.305	3723.371
49.0	3934.100	3925.786	3772.189	3729.725	3683.365
49.5	3894.832	3882.099	3729.585	3692.622	3644.288
50.0	3854.240	3837.815	3686.523	3651.418	3604.956
50.5	3812.591	3791.747	3642.594	3612.023	3564.402
51.0	3771.489	3746.252	3599.481	3569.355	3524.242
51.5	3730.158	3700.058	3556.507	3527.540	3483.739
52.0	3686.879	3652.806	3511.598	3484.032	3442.599
52.5	3641.092	3605.541	3468.383	3439.390	3402.401
53.0	3589.231	3555.285	3424.455	3394.405	3360.778
53.5	3539.063	3502.787	3379.266	3348.809	3317.677
54.0	3493.301	3452.989	3334.535	3304.536	3274.551
54.5	3448.418	3403.955	3289.512	3260.124	3231.386

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION - (Cont.)

55.0	3400.606	3353.673	3243.775	3214.808	3187.419
55.5	3348.745	3302.767	3198.675	3170.854	3143.211
56.0	3294.465	3248.295	3152.901	3127.371	3099.028
56.5	3244.259	3194.970	3105.764	3084.563	3053.572
57.0	3189.775	3140.448	3059.110	3043.385	3007.911
57.5	3136.463	3083.328	3011.948	2989.245	2961.920
58.0	3086.537	3028.310	2964.250	2938.785	2914.630
58.5	3038.725	2976.627	2916.464	2890.438	2867.914
59.0	2989.054	2924.791	2865.711	2842.142	2820.407
59.5	2932.456	2867.290	2813.073	2793.032	2769.183
60.0	2877.425	2810.527	2763.033	2744.749	2718.888
60.5	2820.802	2750.797	2713.515	2695.396	2653.772
61.0	2761.416	2694.212	2662.087	2644.770	2554.367
61.5	2709.224	2640.275	2608.227	2594.539	2395.588
62.0	2660.088	2584.123	2556.837	2542.054	2157.292
62.5	2606.406	2525.972	2503.983	2469.578	1735.108
63.0	2544.690	2467.452	2451.612	2357.389	1470.315
63.5	2483.355	2410.765	2401.025	2186.565	1329.146
64.0	2425.294	2355.441	2350.233	1867.683	1246.395
64.5	2372.465	2299.569	2297.481	1494.393	1206.325
65.0	2319.674	2241.775	2243.799	1304.228	1176.848
65.5	2258.735	2177.028	2188.882	1194.394	1146.939
66.0	2193.084	2120.239	2135.723	1139.566	1116.889
66.5	2134.704	2067.423	2084.511	1107.403	1086.445
67.0	2080.920	2012.137	2030.625	1076.475	1056.586
67.5	2026.233	1948.766	1971.863	1045.942	1027.543
68.0	1958.506	1891.863	1907.639	1014.848	999.110
68.5	1896.574	1835.341	1823.283	983.487	970.843
69.0	1843.796	1776.974	1676.906	953.055	934.478
69.5	1788.434	1720.134	1397.827	922.993	894.815
70.0	1717.919	1667.268	1082.842	892.039	855.738
70.5	1662.225	1606.926	936.617	856.986	805.851
71.0	1608.735	1548.202	861.824	817.387	750.705
71.5	1541.098	1494.495	825.383	772.796	683.551
72.0	1484.105	1436.331	795.206	725.150	618.372
72.5	1426.973	1382.917	764.201	666.986	556.490
73.0	1361.208	1321.061	732.013	604.137	487.516
73.5	1307.640	1266.768	701.810	540.268	403.034
74.0	1245.746	1211.418	669.825	476.757	277.169
74.5	1187.493	1156.921	639.267	404.943	175.039
75.0	1128.374	1099.420	607.205	293.735	85.654
75.5	1071.407	1047.011	570.242	192.419	31.106
76.0	1011.868	992.604	525.053	99.367	10.543
76.5	954.303	936.554	475.305	39.001	9.461
77.0	900.698	883.407	422.018	14.694	8.378
77.5	842.891	825.587	361.945	13.484	7.079
78.0	787.286	751.545	291.977	12.236	6.557
78.5	734.598	572.648	213.492	11.294	6.430
79.0	681.680	416.378	116.811	10.912	6.188
79.5	629.717	357.870	50.651	10.594	5.972
80.0	578.111	331.449	17.839	10.390	5.755
80.5	529.484	303.934	16.196	10.237	5.590
81.0	481.583	281.129	14.770	9.995	5.513
81.5	436.292	256.937	14.172	9.690	5.246
82.0	391.383	233.725	13.802	9.435	5.195
82.5	348.524	204.681	13.522	9.308	4.991

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION - (Cont.)

83.0	306.467	166.457	13.128	8.989	4.775
83.5	266.741	124.859	12.771	8.773	4.457
84.0	227.320	68.146	12.427	8.404	4.253
84.5	190.547	23.008	12.096	8.251	4.024
85.0	155.226	16.183	11.765	7.958	3.833
85.5	124.145	15.088	11.472	7.589	3.527
86.0	95.879	14.566	10.950	7.296	3.260
86.5	69.585	13.993	10.581	6.876	2.979
87.0	45.927	13.611	10.174	6.506	2.636
87.5	27.605	12.975	9.652	6.252	2.636
88.0	17.533	12.274	9.155	5.806	0.000
88.5	15.381	11.434	8.697	5.539	0.000
89.0	11.370	10.645	8.213	5.271	0.000
89.5	5.195	9.792	7.691	4.851	0.000
90.0	0.000	8.633	7.067	4.558	0.000
90.5	0.000	7.054	6.290	4.100	0.000
91.0	0.000	5.590	5.615	3.680	0.000
91.5	0.000	4.431	4.826	3.298	0.000
92.0	0.000	3.463	4.215	2.929	0.000
92.5	0.000	2.890	3.591	0.000	0.000
93.0	0.000	0.000	3.132	0.000	0.000
93.5	0.000	0.000	2.750	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2138.08	N.A.	12.90
0-30	4649.73	N.A.	28.10
0-40	7695.37	N.A.	46.50
0-60	13807.62	N.A.	83.50
0-80	16480.86	N.A.	99.60
0-90	16540.65	N.A.	100.00
10-90	15997.73	N.A.	96.70
20-40	5557.29	N.A.	33.60
20-50	8745.4	N.A.	52.90
40-70	8082.85	N.A.	48.90
60-80	2673.23	N.A.	16.20
70-80	702.64	N.A.	4.20
80-90	59.79	N.A.	0.40
90-110	1.07	N.A.	0.00
90-120	1.07	N.A.	0.00
90-130	1.07	N.A.	0.00
90-150	1.07	N.A.	0.00
90-180	1.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	16541.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	542.92
10-20	1595.16
20-30	2511.65
30-40	3045.64
40-50	3188.11
50-60	2924.14
60-70	1970.6
70-80	702.64
80-90	59.79
90-100	1.07
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

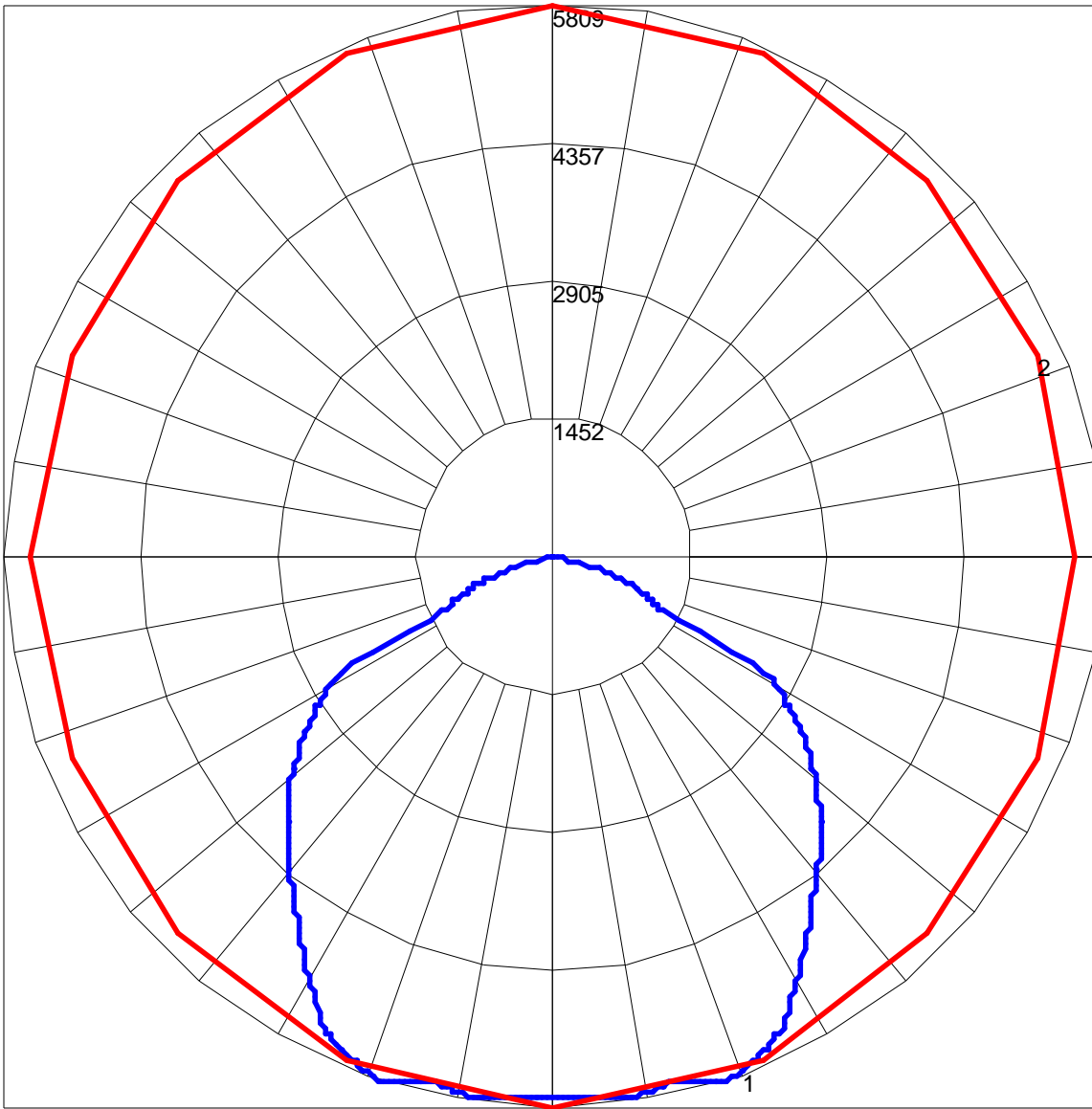
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FHBC48-LED114DMV35.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	100	92	86	81	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 5809.423 Located At Horizontal Angle = 90, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)