

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-R-F1-SN-GEN2.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 13142110.04 mod to gen 2  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 12/3/2019  
 [MANUFAC] BARTCO LIGHTING INC  
 [LUMCAT] HCB15-T1-44-BS35-ND-R-F1-SN  
 [LUMINAIRE] White rectangular metal housing with diffuse plastic lens  
 [LAMP] White LED array  
 [BALLAST] One (1) Philips Advance XI040C110V054BST1  
 [OTHER] 24.5 C, 120.086 V, 0.30091 A, 36.0147 W, 0.996666 PF, 59.9891  
 [MORE] Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2274
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	36.0147
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12863	12804	12590
55	12036	12022	11784
65	11170	11192	10990
75	10273	10215	10075
85	9546	9433	9331

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-R-F1-SN-GEN2.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	867.240	867.240	867.240	867.240	867.240
<b>0.5</b>	866.592	864.756	867.456	869.076	868.104
<b>1.0</b>	866.376	864.648	867.132	868.860	867.888
<b>1.5</b>	866.268	864.432	866.916	868.536	867.672
<b>2.0</b>	865.944	864.108	866.484	867.996	867.132
<b>2.5</b>	865.620	863.676	865.944	867.456	866.700
<b>3.0</b>	865.080	863.244	865.296	866.700	866.052
<b>3.5</b>	864.648	862.704	864.540	865.944	865.188
<b>4.0</b>	863.892	861.948	863.676	864.864	864.216
<b>4.5</b>	863.136	861.192	862.704	863.784	863.136
<b>5.0</b>	862.272	860.220	861.732	862.488	861.948
<b>5.5</b>	861.192	859.248	860.544	861.192	860.652
<b>6.0</b>	860.436	858.168	859.356	860.004	859.464
<b>6.5</b>	859.032	856.980	858.060	858.708	857.952
<b>7.0</b>	857.952	855.576	856.656	857.196	856.332
<b>7.5</b>	856.440	854.172	855.144	855.792	854.820
<b>8.0</b>	854.928	852.552	853.632	854.280	853.200
<b>8.5</b>	853.308	851.040	852.012	852.552	851.256
<b>9.0</b>	851.688	849.312	850.284	850.824	849.312
<b>9.5</b>	849.636	847.584	848.664	848.988	847.476
<b>10.0</b>	847.908	845.532	846.720	846.936	845.532
<b>10.5</b>	845.748	843.696	844.776	844.884	843.372
<b>11.0</b>	843.696	841.644	842.724	842.616	841.212
<b>11.5</b>	841.536	839.376	840.564	840.348	839.052
<b>12.0</b>	839.052	837.108	838.296	837.864	836.784
<b>12.5</b>	836.352	834.516	835.812	835.488	834.408
<b>13.0</b>	833.544	831.816	833.328	832.788	832.032
<b>13.5</b>	830.520	829.116	830.736	830.088	829.224
<b>14.0</b>	827.496	826.200	828.036	827.388	826.740
<b>14.5</b>	824.472	823.068	825.228	824.472	823.932
<b>15.0</b>	821.340	820.044	822.312	821.556	820.908
<b>15.5</b>	818.208	817.020	819.396	818.424	817.884
<b>16.0</b>	815.076	813.888	816.264	815.292	814.428
<b>16.5</b>	811.728	810.756	812.916	811.944	811.296
<b>17.0</b>	808.380	807.516	809.460	808.488	807.624
<b>17.5</b>	804.924	804.168	806.004	804.924	803.844
<b>18.0</b>	801.468	800.712	802.224	801.252	800.388
<b>18.5</b>	797.904	797.256	798.552	797.472	796.392
<b>19.0</b>	794.124	793.584	794.664	793.476	792.612
<b>19.5</b>	790.452	789.912	790.776	789.264	788.508
<b>20.0</b>	786.672	786.132	786.780	785.160	784.296
<b>20.5</b>	782.892	782.352	782.676	780.732	779.976
<b>21.0</b>	778.896	778.356	778.356	776.304	775.440
<b>21.5</b>	774.900	774.360	774.144	771.660	771.120
<b>22.0</b>	770.688	770.256	769.716	767.124	766.260
<b>22.5</b>	766.368	766.260	765.180	762.372	761.508
<b>23.0</b>	762.264	761.940	760.644	757.728	756.540
<b>23.5</b>	757.836	757.404	755.892	752.868	751.788
<b>24.0</b>	753.408	752.976	751.140	748.008	746.820
<b>24.5</b>	748.980	748.440	746.280	743.148	741.528
<b>25.0</b>	744.444	743.688	741.312	738.180	736.668
<b>25.5</b>	739.692	739.044	736.236	733.104	731.376
<b>26.0</b>	734.724	734.076	731.160	728.136	726.192
<b>26.5</b>	729.972	729.324	726.084	723.060	721.008

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27.0	725.004	724.356	721.116	717.876	715.824
27.5	719.928	719.172	716.040	712.800	710.532
28.0	714.960	714.204	710.748	707.400	705.456
28.5	709.560	708.912	705.456	702.216	700.164
29.0	704.376	703.620	700.272	696.708	694.980
29.5	698.976	698.436	694.764	691.632	689.688
30.0	693.576	693.036	689.580	686.232	684.612
30.5	688.176	687.636	684.072	680.724	679.212
31.0	682.668	682.128	678.780	675.216	673.920
31.5	677.160	676.620	673.164	669.600	668.520
32.0	671.436	671.112	667.764	664.092	663.012
32.5	665.820	665.496	662.256	658.476	657.396
33.0	660.204	659.880	656.640	652.860	651.780
33.5	654.480	654.264	651.132	647.244	645.948
34.0	648.756	648.540	645.516	641.520	640.116
34.5	643.140	642.924	640.008	635.688	634.500
35.0	637.416	637.200	634.392	629.856	628.344
35.5	631.584	631.584	628.560	624.024	622.512
36.0	625.968	625.860	622.728	618.084	616.572
36.5	620.244	620.028	616.896	612.144	610.416
37.0	614.412	614.304	611.064	606.096	604.584
37.5	608.580	608.364	605.340	600.156	598.428
38.0	602.748	602.748	599.400	594.108	592.272
38.5	596.916	596.808	593.568	588.060	586.116
39.0	590.868	591.084	587.628	581.904	580.176
39.5	585.252	585.036	581.580	575.964	573.696
40.0	579.204	579.204	575.640	569.700	567.756
40.5	573.156	573.264	569.700	563.760	561.600
41.0	567.216	567.324	563.544	557.604	555.444
41.5	561.060	561.384	557.604	551.556	549.396
42.0	555.012	555.336	551.664	545.508	543.348
42.5	548.856	549.288	545.508	539.460	537.300
43.0	542.700	543.240	539.676	533.412	531.252
43.5	536.436	537.300	533.628	527.364	525.204
44.0	530.280	531.144	527.688	521.316	519.156
44.5	524.124	525.096	521.748	515.376	513.108
45.0	517.968	518.940	515.592	509.328	506.952
45.5	511.812	512.676	509.544	503.280	501.012
46.0	505.656	506.628	503.496	497.232	494.964
46.5	499.284	500.472	497.556	491.400	488.700
47.0	493.236	494.316	491.508	485.244	482.976
47.5	487.080	488.160	485.460	479.304	476.820
48.0	481.032	482.004	479.304	473.256	470.664
48.5	474.660	475.848	473.256	467.208	464.724
49.0	468.504	469.800	467.208	461.160	458.784
49.5	462.132	463.536	461.052	455.112	452.736
50.0	455.868	457.380	454.896	449.064	446.796
50.5	449.604	451.116	448.632	442.908	440.424
51.0	443.448	445.068	442.584	436.860	434.268
51.5	437.292	438.804	436.320	430.596	428.220
52.0	430.920	432.540	430.164	424.440	422.064
52.5	424.656	426.384	423.792	418.176	415.908
53.0	418.284	420.228	417.636	412.020	409.860
53.5	412.020	413.964	411.372	405.864	403.596
54.0	405.648	407.700	405.108	399.600	397.440
54.5	399.276	401.436	398.952	393.336	391.284

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55.0	393.120	395.172	392.688	387.180	384.912
55.5	386.640	389.016	386.532	380.916	378.864
56.0	380.052	382.644	380.376	374.760	372.600
56.5	373.788	376.380	374.004	368.604	366.444
57.0	367.308	370.116	367.956	362.340	360.396
57.5	360.936	363.960	361.800	356.184	354.132
58.0	354.564	357.696	355.644	350.028	347.760
58.5	348.300	351.432	349.488	343.872	342.036
59.0	341.928	345.168	343.224	337.716	335.880
59.5	335.772	338.796	337.068	331.776	329.832
60.0	329.508	332.532	330.912	325.620	323.676
60.5	323.352	326.376	324.648	319.572	317.736
61.0	317.304	320.112	318.600	313.740	311.688
61.5	311.148	313.956	312.444	307.584	305.748
62.0	305.208	307.800	306.396	301.644	299.700
62.5	299.052	301.320	300.132	295.488	293.652
63.0	293.004	295.164	293.976	289.548	288.036
63.5	286.848	289.116	287.928	283.716	282.204
64.0	280.908	282.960	281.664	277.668	276.048
64.5	274.968	276.696	275.508	271.620	270.324
65.0	268.812	270.648	269.352	265.680	264.492
65.5	262.440	264.600	263.304	259.740	258.444
66.0	256.500	258.336	257.148	253.800	252.504
66.5	250.452	252.396	251.100	247.644	246.672
67.0	244.296	246.348	244.944	241.812	240.624
67.5	238.248	240.300	238.788	235.764	234.576
68.0	232.200	234.252	232.740	229.824	228.744
68.5	226.152	228.420	226.692	223.992	222.912
69.0	220.104	222.372	220.644	218.052	216.972
69.5	214.164	216.432	214.596	212.112	211.032
70.0	208.224	210.384	208.656	206.064	204.876
70.5	202.284	204.552	202.608	200.124	199.152
71.0	196.452	198.504	196.560	194.400	193.320
71.5	190.404	192.672	190.836	188.784	187.812
72.0	184.680	186.732	184.896	183.060	181.980
72.5	178.956	180.900	179.064	177.228	176.040
73.0	173.448	175.176	173.232	171.504	170.424
73.5	167.832	169.452	167.508	165.996	164.916
74.0	162.324	163.728	161.784	160.488	159.300
74.5	156.816	158.112	156.168	154.872	153.900
75.0	151.416	152.496	150.552	149.472	148.500
75.5	145.908	146.880	144.936	143.964	142.992
76.0	140.400	141.372	139.536	138.672	137.592
76.5	135.108	135.864	134.028	133.380	132.408
77.0	129.708	130.464	128.520	127.980	127.008
77.5	124.308	125.064	123.120	122.688	121.608
78.0	119.016	119.772	117.828	117.396	116.424
78.5	113.616	114.372	112.536	112.104	111.240
79.0	108.324	108.972	107.266	106.844	106.067
79.5	103.032	103.853	102.028	101.704	100.894
80.0	97.805	98.550	96.898	96.530	95.882
80.5	92.491	93.334	91.670	91.368	90.796
81.0	87.242	88.085	86.530	86.184	85.601
81.5	82.102	82.922	81.475	81.216	80.600
82.0	76.972	77.738	76.432	76.194	75.643
82.5	71.917	72.619	71.388	71.215	70.686

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**CANDELA TABULATION - (Cont.)**

83.0	66.906	67.522	66.409	66.236	65.696
83.5	61.949	62.489	61.463	61.344	60.923
84.0	57.024	57.467	56.516	56.419	56.074
84.5	52.175	52.477	51.700	51.592	51.181
85.0	47.380	47.498	46.818	46.753	46.310
85.5	42.736	42.617	41.958	41.980	41.504
86.0	37.940	37.768	37.217	37.249	36.850
86.5	33.070	32.929	32.497	32.508	32.141
87.0	28.404	28.199	27.778	27.972	27.464
87.5	23.684	23.404	23.177	23.468	22.982
88.0	18.976	18.824	18.619	18.814	18.436
88.5	14.213	14.699	14.461	14.710	14.450
89.0	9.364	11.070	10.984	11.513	11.318
89.5	4.676	7.776	8.154	8.737	8.575
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	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

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**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 : HCB15-T1-44-BS35-ND-R-F1-SN-GEN2.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 : HCB15-T1-44-BS35-ND-R-F1-SN-GEN2.IES**

**CANDELA TABULATION - (Cont.)**

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



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-R-F1-SN-GEN2.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	313.17	N.A.	13.80
0-30	654.22	N.A.	28.80
0-40	1050.39	N.A.	46.20
0-60	1796.78	N.A.	79.00
0-80	2221.73	N.A.	97.70
0-90	2273.8	N.A.	100.00
10-90	2192.03	N.A.	96.40
20-40	737.22	N.A.	32.40
20-50	1133.93	N.A.	49.90
40-70	1011.78	N.A.	44.50
60-80	424.95	N.A.	18.70
70-80	159.56	N.A.	7.00
80-90	52.07	N.A.	2.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2273.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	81.77
10-20	231.40
20-30	341.05
30-40	396.17
40-50	396.71
50-60	349.68
60-70	265.39
70-80	159.56
80-90	52.07
90-100	0.00
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

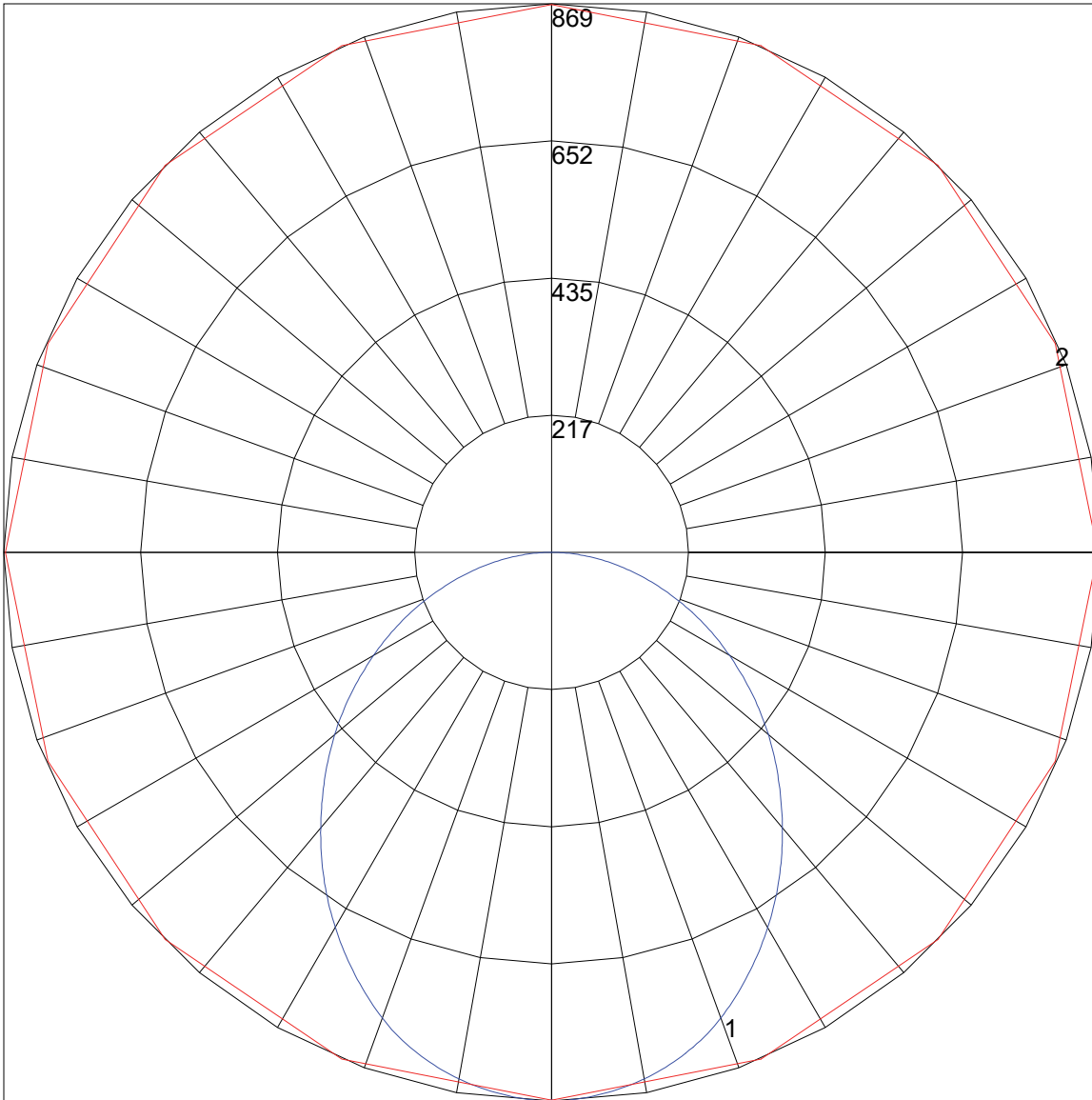
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-R-F1-SN-GEN2.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	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 = 869.076 Located At Horizontal Angle = 67.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)