

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-H-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-H-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	3032
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	49.51
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	17151	17072	16786
55	16048	16030	15712
65	14893	14923	14653
75	13698	13620	13434
85	12728	12577	12441

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-H-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>
0.0	1156.320	1156.320	1156.320	1156.320	1156.320
0.5	1155.456	1153.008	1156.608	1158.768	1157.472
1.0	1155.168	1152.864	1156.176	1158.480	1157.184
1.5	1155.024	1152.576	1155.888	1158.048	1156.896
2.0	1154.592	1152.144	1155.312	1157.328	1156.176
2.5	1154.160	1151.568	1154.592	1156.608	1155.600
3.0	1153.440	1150.992	1153.728	1155.600	1154.736
3.5	1152.864	1150.272	1152.720	1154.592	1153.584
4.0	1151.856	1149.264	1151.568	1153.152	1152.288
4.5	1150.848	1148.256	1150.272	1151.712	1150.848
5.0	1149.696	1146.960	1148.976	1149.984	1149.264
5.5	1148.256	1145.664	1147.392	1148.256	1147.536
6.0	1147.248	1144.224	1145.808	1146.672	1145.952
6.5	1145.376	1142.640	1144.080	1144.944	1143.936
7.0	1143.936	1140.768	1142.208	1142.928	1141.776
7.5	1141.920	1138.896	1140.192	1141.056	1139.760
8.0	1139.904	1136.736	1138.176	1139.040	1137.600
8.5	1137.744	1134.720	1136.016	1136.736	1135.008
9.0	1135.584	1132.416	1133.712	1134.432	1132.416
9.5	1132.848	1130.112	1131.552	1131.984	1129.968
10.0	1130.544	1127.376	1128.960	1129.248	1127.376
10.5	1127.664	1124.928	1126.368	1126.512	1124.496
11.0	1124.928	1122.192	1123.632	1123.488	1121.616
11.5	1122.048	1119.168	1120.752	1120.464	1118.736
12.0	1118.736	1116.144	1117.728	1117.152	1115.712
12.5	1115.136	1112.688	1114.416	1113.984	1112.544
13.0	1111.392	1109.088	1111.104	1110.384	1109.376
13.5	1107.360	1105.488	1107.648	1106.784	1105.632
14.0	1103.328	1101.600	1104.048	1103.184	1102.320
14.5	1099.296	1097.424	1100.304	1099.296	1098.576
15.0	1095.120	1093.392	1096.416	1095.408	1094.544
15.5	1090.944	1089.360	1092.528	1091.232	1090.512
16.0	1086.768	1085.184	1088.352	1087.056	1085.904
16.5	1082.304	1081.008	1083.888	1082.592	1081.728
17.0	1077.840	1076.688	1079.280	1077.984	1076.832
17.5	1073.232	1072.224	1074.672	1073.232	1071.792
18.0	1068.624	1067.616	1069.632	1068.336	1067.184
18.5	1063.872	1063.008	1064.736	1063.296	1061.856
19.0	1058.832	1058.112	1059.552	1057.968	1056.816
19.5	1053.936	1053.216	1054.368	1052.352	1051.344
20.0	1048.896	1048.176	1049.040	1046.880	1045.728
20.5	1043.856	1043.136	1043.568	1040.976	1039.968
21.0	1038.528	1037.808	1037.808	1035.072	1033.920
21.5	1033.200	1032.480	1032.192	1028.880	1028.160
22.0	1027.584	1027.008	1026.288	1022.832	1021.680
22.5	1021.824	1021.680	1020.240	1016.496	1015.344
23.0	1016.352	1015.920	1014.192	1010.304	1008.720
23.5	1010.448	1009.872	1007.856	1003.824	1002.384
24.0	1004.544	1003.968	1001.520	997.344	995.760
24.5	998.640	997.920	995.040	990.864	988.704
25.0	992.592	991.584	988.416	984.240	982.224
25.5	986.256	985.392	981.648	977.472	975.168
26.0	979.632	978.768	974.880	970.848	968.256
26.5	973.296	972.432	968.112	964.080	961.344

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27.0	966.672	965.808	961.488	957.168	954.432
27.5	959.904	958.896	954.720	950.400	947.376
28.0	953.280	952.272	947.664	943.200	940.608
28.5	946.080	945.216	940.608	936.288	933.552
29.0	939.168	938.160	933.696	928.944	926.640
29.5	931.968	931.248	926.352	922.176	919.584
30.0	924.768	924.048	919.440	914.976	912.816
30.5	917.568	916.848	912.096	907.632	905.616
31.0	910.224	909.504	905.040	900.288	898.560
31.5	902.880	902.160	897.552	892.800	891.360
32.0	895.248	894.816	890.352	885.456	884.016
32.5	887.760	887.328	883.008	877.968	876.528
33.0	880.272	879.840	875.520	870.480	869.040
33.5	872.640	872.352	868.176	862.992	861.264
34.0	865.008	864.720	860.688	855.360	853.488
34.5	857.520	857.232	853.344	847.584	846.000
35.0	849.888	849.600	845.856	839.808	837.792
35.5	842.112	842.112	838.080	832.032	830.016
36.0	834.624	834.480	830.304	824.112	822.096
36.5	826.992	826.704	822.528	816.192	813.888
37.0	819.216	819.072	814.752	808.128	806.112
37.5	811.440	811.152	807.120	800.208	797.904
38.0	803.664	803.664	799.200	792.144	789.696
38.5	795.888	795.744	791.424	784.080	781.488
39.0	787.824	788.112	783.504	775.872	773.568
39.5	780.336	780.048	775.440	767.952	764.928
40.0	772.272	772.272	767.520	759.600	757.008
40.5	764.208	764.352	759.600	751.680	748.800
41.0	756.288	756.432	751.392	743.472	740.592
41.5	748.080	748.512	743.472	735.408	732.528
42.0	740.016	740.448	735.552	727.344	724.464
42.5	731.808	732.384	727.344	719.280	716.400
43.0	723.600	724.320	719.568	711.216	708.336
43.5	715.248	716.400	711.504	703.152	700.272
44.0	707.040	708.192	703.584	695.088	692.208
44.5	698.832	700.128	695.664	687.168	684.144
45.0	690.624	691.920	687.456	679.104	675.936
45.5	682.416	683.568	679.392	671.040	668.016
46.0	674.208	675.504	671.328	662.976	659.952
46.5	665.712	667.296	663.408	655.200	651.600
47.0	657.648	659.088	655.344	646.992	643.968
47.5	649.440	650.880	647.280	639.072	635.760
48.0	641.376	642.672	639.072	631.008	627.552
48.5	632.880	634.464	631.008	622.944	619.632
49.0	624.672	626.400	622.944	614.880	611.712
49.5	616.176	618.048	614.736	606.816	603.648
50.0	607.824	609.840	606.528	598.752	595.728
50.5	599.472	601.488	598.176	590.544	587.232
51.0	591.264	593.424	590.112	582.480	579.024
51.5	583.056	585.072	581.760	574.128	570.960
52.0	574.560	576.720	573.552	565.920	562.752
52.5	566.208	568.512	565.056	557.568	554.544
53.0	557.712	560.304	556.848	549.360	546.480
53.5	549.360	551.952	548.496	541.152	538.128
54.0	540.864	543.600	540.144	532.800	529.920
54.5	532.368	535.248	531.936	524.448	521.712

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55.0	524.160	526.896	523.584	516.240	513.216
55.5	515.520	518.688	515.376	507.888	505.152
56.0	506.736	510.192	507.168	499.680	496.800
56.5	498.384	501.840	498.672	491.472	488.592
57.0	489.744	493.488	490.608	483.120	480.528
57.5	481.248	485.280	482.400	474.912	472.176
58.0	472.752	476.928	474.192	466.704	463.680
58.5	464.400	468.576	465.984	458.496	456.048
59.0	455.904	460.224	457.632	450.288	447.840
59.5	447.696	451.728	449.424	442.368	439.776
60.0	439.344	443.376	441.216	434.160	431.568
60.5	431.136	435.168	432.864	426.096	423.648
61.0	423.072	426.816	424.800	418.320	415.584
61.5	414.864	418.608	416.592	410.112	407.664
62.0	406.944	410.400	408.528	402.192	399.600
62.5	398.736	401.760	400.176	393.984	391.536
63.0	390.672	393.552	391.968	386.064	384.048
63.5	382.464	385.488	383.904	378.288	376.272
64.0	374.544	377.280	375.552	370.224	368.064
64.5	366.624	368.928	367.344	362.160	360.432
65.0	358.416	360.864	359.136	354.240	352.656
65.5	349.920	352.800	351.072	346.320	344.592
66.0	342.000	344.448	342.864	338.400	336.672
66.5	333.936	336.528	334.800	330.192	328.896
67.0	325.728	328.464	326.592	322.416	320.832
67.5	317.664	320.400	318.384	314.352	312.768
68.0	309.600	312.336	310.320	306.432	304.992
68.5	301.536	304.560	302.256	298.656	297.216
69.0	293.472	296.496	294.192	290.736	289.296
69.5	285.552	288.576	286.128	282.816	281.376
70.0	277.632	280.512	278.208	274.752	273.168
70.5	269.712	272.736	270.144	266.832	265.536
71.0	261.936	264.672	262.080	259.200	257.760
71.5	253.872	256.896	254.448	251.712	250.416
72.0	246.240	248.976	246.528	244.080	242.640
72.5	238.608	241.200	238.752	236.304	234.720
73.0	231.264	233.568	230.976	228.672	227.232
73.5	223.776	225.936	223.344	221.328	219.888
74.0	216.432	218.304	215.712	213.984	212.400
74.5	209.088	210.816	208.224	206.496	205.200
75.0	201.888	203.328	200.736	199.296	198.000
75.5	194.544	195.840	193.248	191.952	190.656
76.0	187.200	188.496	186.048	184.896	183.456
76.5	180.144	181.152	178.704	177.840	176.544
77.0	172.944	173.952	171.360	170.640	169.344
77.5	165.744	166.752	164.160	163.584	162.144
78.0	158.688	159.696	157.104	156.528	155.232
78.5	151.488	152.496	150.048	149.472	148.320
79.0	144.432	145.296	143.021	142.459	141.422
79.5	137.376	138.470	136.037	135.605	134.525
80.0	130.406	131.400	129.197	128.707	127.843
80.5	123.322	124.445	122.227	121.824	121.061
81.0	116.323	117.446	115.373	114.912	114.134
81.5	109.469	110.563	108.634	108.288	107.467
82.0	102.629	103.651	101.909	101.592	100.858
82.5	95.890	96.826	95.184	94.954	94.248

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CANDELA TABULATION - (Cont.)

83.0	89.208	90.029	88.546	88.315	87.595
83.5	82.598	83.318	81.950	81.792	81.230
84.0	76.032	76.622	75.355	75.226	74.765
84.5	69.566	69.970	68.933	68.789	68.242
85.0	63.173	63.331	62.424	62.338	61.747
85.5	56.981	56.822	55.944	55.973	55.339
86.0	50.587	50.357	49.622	49.666	49.133
86.5	44.093	43.906	43.330	43.344	42.854
87.0	37.872	37.598	37.037	37.296	36.619
87.5	31.579	31.205	30.902	31.291	30.643
88.0	25.301	25.099	24.826	25.085	24.581
88.5	18.950	19.598	19.282	19.613	19.267
89.0	12.485	14.760	14.645	15.350	15.091
89.5	6.235	10.368	10.872	11.650	11.434
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-H-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-H-F1-SN-GEN2.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 : HCB15-T1-44-BS35-ND-H-F1-SN-GEN2.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	417.56	N.A.	13.80
0-30	872.29	N.A.	28.80
0-40	1400.52	N.A.	46.20
0-60	2395.7	N.A.	79.00
0-80	2962.3	N.A.	97.70
0-90	3031.73	N.A.	100.00
10-90	2922.71	N.A.	96.40
20-40	982.96	N.A.	32.40
20-50	1511.9	N.A.	49.90
40-70	1349.03	N.A.	44.50
60-80	566.60	N.A.	18.70
70-80	212.75	N.A.	7.00
80-90	69.43	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	3031.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.02
10-20	308.54
20-30	454.73
30-40	528.23
40-50	528.95
50-60	466.24
60-70	353.85
70-80	212.75
80-90	69.43
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

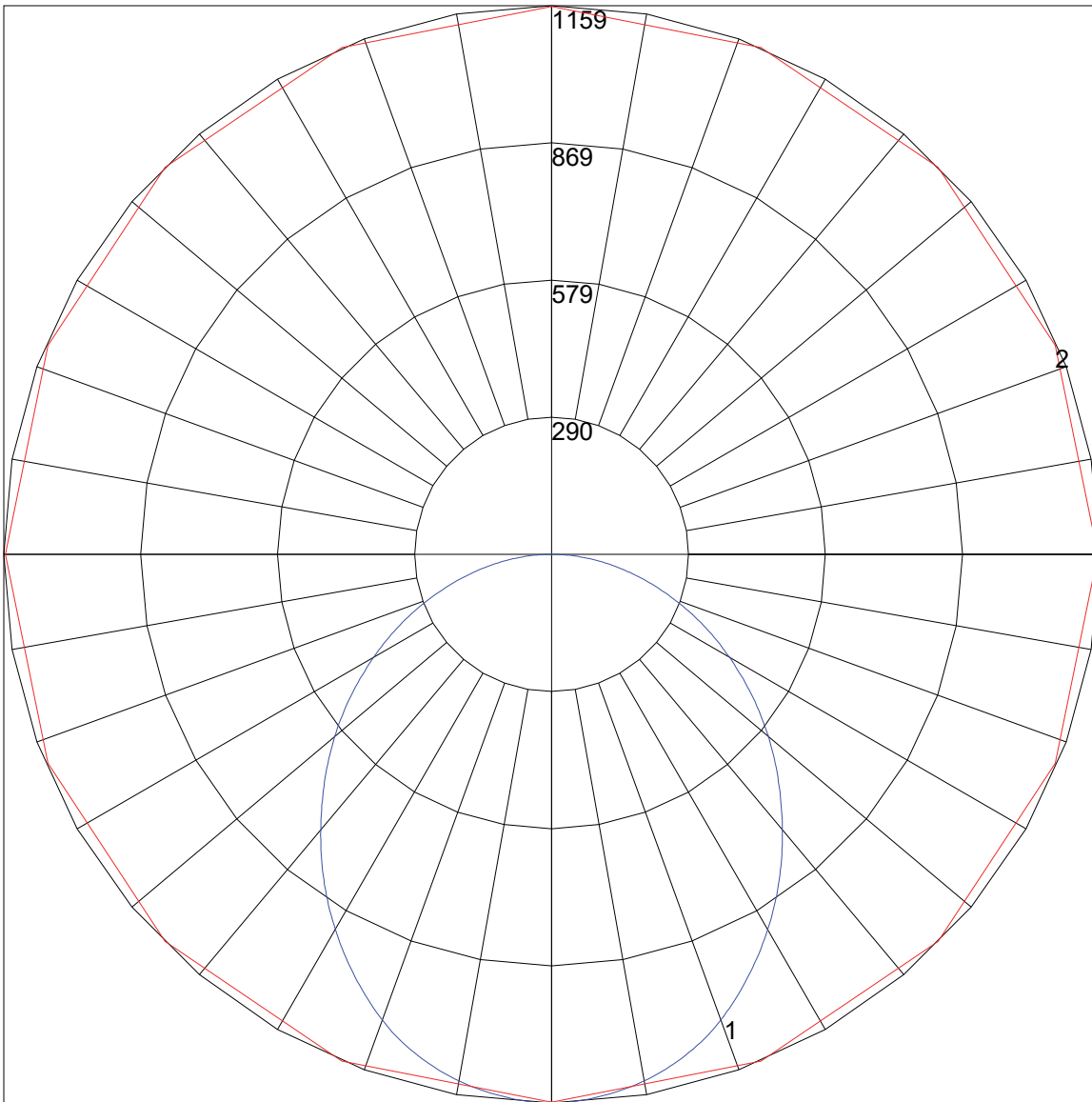
PHOTOMETRIC FILENAME : HCB15-T1-44-BS35-ND-H-F1-SN-GEN2.IES

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 = 1158.768 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.)