

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 13142110.05 mod to gen 2
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 12/3/2019
 [MANUFAC] BARTCO LIGHTING INC
 [LUMCAT] HCB16-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] 24.4 C, 120.091 V, 0.299854 A, 35.8864 W, 0.99657 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	3387
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	49.33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12809	12816	12668
55	12060	12098	11939
65	11179	11263	11131
75	10162	10207	10103
85	9315	9177	9043

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB16-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	1262.592	1262.592	1262.592	1262.592	1262.592
0.5	1264.896	1258.992	1262.880	1263.744	1264.032
1.0	1264.752	1258.992	1262.592	1263.456	1263.744
1.5	1264.320	1258.560	1262.160	1262.880	1263.312
2.0	1264.176	1258.272	1261.584	1262.304	1262.736
2.5	1263.456	1257.696	1261.008	1261.584	1262.016
3.0	1263.024	1256.976	1260.144	1260.720	1261.152
3.5	1262.160	1256.112	1259.280	1259.856	1260.144
4.0	1261.296	1255.104	1258.128	1258.704	1258.992
4.5	1260.288	1254.096	1256.976	1257.408	1257.984
5.0	1258.992	1252.800	1255.824	1255.968	1256.688
5.5	1257.840	1251.360	1254.384	1254.384	1255.104
6.0	1256.400	1249.920	1252.656	1252.800	1253.376
6.5	1254.960	1248.336	1251.216	1251.216	1251.504
7.0	1252.944	1246.464	1249.344	1249.200	1249.344
7.5	1251.072	1244.448	1247.472	1247.040	1247.472
8.0	1248.912	1242.720	1245.456	1245.024	1244.880
8.5	1246.608	1240.272	1243.296	1242.864	1242.864
9.0	1244.160	1237.824	1240.992	1240.704	1240.704
9.5	1241.424	1235.232	1238.544	1238.544	1238.256
10.0	1238.688	1232.640	1235.808	1236.240	1235.952
10.5	1235.952	1229.904	1233.360	1233.648	1233.504
11.0	1232.784	1227.024	1230.480	1230.912	1230.912
11.5	1229.328	1223.856	1227.744	1228.176	1228.032
12.0	1225.872	1220.832	1224.720	1225.296	1225.296
12.5	1222.416	1217.376	1221.552	1222.128	1222.560
13.0	1218.672	1213.776	1218.240	1218.960	1219.536
13.5	1214.640	1210.176	1214.928	1215.504	1216.080
14.0	1210.464	1206.288	1211.328	1211.904	1212.624
14.5	1206.288	1202.544	1207.728	1208.160	1208.592
15.0	1202.256	1198.368	1203.984	1204.272	1204.848
15.5	1197.792	1194.192	1199.808	1200.240	1200.672
16.0	1193.040	1189.872	1195.632	1195.920	1196.496
16.5	1188.576	1185.552	1191.456	1191.600	1191.888
17.0	1184.112	1180.944	1186.992	1186.992	1187.280
17.5	1179.360	1176.336	1182.240	1182.240	1182.240
18.0	1174.464	1171.584	1177.488	1177.344	1177.056
18.5	1169.280	1166.688	1172.304	1172.016	1171.728
19.0	1164.528	1161.936	1167.264	1166.688	1166.256
19.5	1159.056	1156.752	1162.080	1161.072	1160.784
20.0	1154.016	1151.712	1156.608	1155.456	1155.024
20.5	1148.688	1146.528	1150.992	1149.408	1149.408
21.0	1143.072	1141.200	1145.232	1143.360	1142.928
21.5	1137.600	1135.728	1139.184	1137.024	1136.736
22.0	1131.840	1130.112	1133.136	1130.688	1130.544
22.5	1125.936	1124.352	1126.944	1124.208	1123.920
23.0	1119.888	1118.592	1120.608	1117.584	1117.296
23.5	1113.840	1112.544	1114.128	1110.960	1110.672
24.0	1107.792	1106.496	1107.504	1104.048	1103.760
24.5	1101.312	1100.304	1100.736	1097.280	1096.272
25.0	1094.832	1093.824	1094.112	1090.368	1089.504
25.5	1088.208	1087.344	1087.200	1083.456	1082.448
26.0	1081.440	1080.576	1080.288	1076.544	1075.248
26.5	1074.528	1073.664	1073.232	1069.344	1068.048

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.IES****CANDELA TABULATION - (Cont.)**

27.0	1067.616	1066.896	1066.032	1062.288	1060.704
27.5	1060.416	1059.984	1058.688	1054.944	1053.360
28.0	1053.216	1052.928	1051.488	1047.744	1046.016
28.5	1045.872	1045.584	1044.144	1040.544	1039.104
29.0	1038.096	1038.384	1036.800	1033.200	1031.904
29.5	1031.040	1030.896	1029.312	1025.712	1024.704
30.0	1023.264	1023.552	1021.824	1018.224	1017.360
30.5	1015.488	1016.064	1014.048	1010.592	1009.584
31.0	1007.856	1008.432	1006.560	1003.104	1001.952
31.5	999.936	1000.800	998.784	995.472	994.032
32.0	992.016	993.024	991.152	987.552	986.688
32.5	984.096	985.248	983.376	979.776	978.912
33.0	976.032	977.328	975.600	971.856	970.992
33.5	968.112	969.552	967.824	963.936	962.784
34.0	959.904	961.488	959.760	955.872	954.432
34.5	951.552	953.280	951.696	947.664	945.936
35.0	943.632	945.216	943.632	939.168	937.872
35.5	935.568	937.152	935.568	930.816	929.376
36.0	927.360	929.088	927.216	922.320	920.880
36.5	919.296	920.880	918.864	913.968	912.384
37.0	910.800	912.816	910.656	905.328	903.888
37.5	902.592	904.464	902.160	896.976	895.104
38.0	894.384	895.968	893.952	888.192	886.464
38.5	885.888	887.616	885.312	879.264	877.680
39.0	877.680	879.552	876.816	870.768	869.040
39.5	869.040	871.200	868.032	862.128	860.256
40.0	860.400	862.704	859.392	853.488	851.472
40.5	851.904	854.064	850.752	844.560	842.832
41.0	843.264	845.568	842.112	835.776	833.760
41.5	834.480	836.928	833.472	827.280	825.120
42.0	825.840	828.288	824.976	818.496	816.192
42.5	816.768	819.648	816.192	809.712	807.696
43.0	807.840	810.720	807.408	801.072	798.768
43.5	799.056	802.080	798.480	792.144	789.984
44.0	790.128	793.296	789.984	783.360	781.056
44.5	781.056	784.512	781.344	774.576	772.272
45.0	772.128	775.584	772.560	765.792	763.632
45.5	763.200	766.656	763.776	757.440	754.848
46.0	753.984	757.872	754.848	748.656	746.064
46.5	744.912	748.800	746.208	739.728	737.136
47.0	735.840	739.872	737.424	730.800	728.352
47.5	726.912	730.800	728.352	721.728	719.424
48.0	717.840	721.728	719.424	713.088	710.640
48.5	708.768	712.944	710.208	704.016	701.712
49.0	699.696	703.872	701.424	695.376	693.072
49.5	690.624	694.944	692.352	686.592	684.144
50.0	681.408	685.872	683.280	677.520	675.072
50.5	672.480	676.800	674.208	668.592	666.000
51.0	663.264	667.728	665.136	659.520	656.784
51.5	654.048	658.512	656.064	650.592	648.000
52.0	644.544	649.440	646.704	641.088	639.072
52.5	635.328	640.368	637.344	632.016	630.000
53.0	626.256	631.152	628.128	622.800	620.640
53.5	617.040	622.080	618.912	613.584	611.424
54.0	607.680	612.864	609.840	604.656	602.064
54.5	598.320	603.504	600.768	595.584	592.992

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.IES****CANDELA TABULATION - (Cont.)**

55.0	589.680	594.432	591.552	586.080	583.776
55.5	579.888	585.072	582.336	576.576	574.416
56.0	570.240	575.712	572.976	567.216	565.200
56.5	560.592	566.496	563.616	558.000	555.840
57.0	551.088	556.848	554.544	548.784	546.480
57.5	541.584	547.632	545.472	539.568	537.264
58.0	531.936	538.128	536.112	530.208	528.192
58.5	522.432	528.768	526.896	521.280	518.832
59.0	512.928	519.120	517.824	512.064	509.616
59.5	503.568	509.760	508.464	502.704	500.544
60.0	494.208	500.400	499.104	493.344	491.472
60.5	485.136	491.040	489.744	484.128	482.544
61.0	475.632	481.536	480.528	475.200	473.184
61.5	466.560	472.320	471.168	466.128	464.256
62.0	457.632	462.816	461.808	457.200	455.184
62.5	448.128	453.456	452.592	448.272	446.400
63.0	439.344	444.096	443.232	438.912	437.328
63.5	429.840	434.880	433.872	429.552	428.256
64.0	421.200	425.520	424.368	420.480	418.896
64.5	411.840	416.304	415.152	411.552	409.968
65.0	402.768	406.800	405.792	402.048	401.040
65.5	393.696	397.584	396.432	393.120	392.112
66.0	384.336	388.368	387.216	383.904	382.896
66.5	375.264	378.864	377.856	375.120	373.680
67.0	366.048	369.792	368.784	365.904	364.320
67.5	356.976	360.576	359.568	356.832	355.248
68.0	347.616	351.360	350.208	347.616	346.032
68.5	338.400	342.144	340.992	338.400	337.392
69.0	329.328	332.928	331.920	329.328	327.888
69.5	320.112	323.856	322.848	320.256	318.816
70.0	311.040	314.784	313.920	311.472	310.032
70.5	302.256	305.712	304.992	302.400	301.248
71.0	293.616	296.784	295.920	293.760	292.176
71.5	284.688	287.856	286.848	284.544	283.104
72.0	275.616	278.784	277.776	275.760	274.320
72.5	266.544	269.856	268.848	266.832	265.680
73.0	257.904	261.216	260.064	258.624	257.184
73.5	249.552	252.576	251.280	249.840	248.544
74.0	240.912	243.792	242.640	241.488	240.192
74.5	232.416	235.152	234.000	233.136	231.408
75.0	224.208	226.512	225.216	224.352	222.912
75.5	216.000	218.016	216.720	215.856	214.560
76.0	207.792	209.520	208.224	207.648	206.208
76.5	199.728	201.168	199.872	199.296	197.856
77.0	191.664	193.104	191.520	191.088	189.792
77.5	183.600	184.896	183.312	183.024	182.016
78.0	175.536	176.688	175.248	174.960	173.952
78.5	167.616	168.624	167.184	167.040	166.176
79.0	159.840	160.560	159.120	158.976	158.112
79.5	151.920	152.640	151.200	151.344	150.192
80.0	144.144	144.720	143.294	143.539	142.229
80.5	136.267	136.814	135.605	135.648	134.712
81.0	128.462	129.110	127.786	127.886	127.066
81.5	120.686	121.248	120.139	120.269	119.318
82.0	113.112	113.616	112.536	112.752	111.787
82.5	105.638	105.998	105.048	105.106	104.270

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.IES

CANDELA TABULATION - (Cont.)

83.0	98.179	98.438	97.517	97.546	96.768
83.5	90.835	90.907	90.043	90.115	89.309
84.0	83.563	83.477	82.728	82.656	81.806
84.5	76.378	76.133	75.499	75.341	74.362
85.0	69.206	68.846	68.184	68.026	67.190
85.5	62.309	61.661	60.955	60.696	59.832
86.0	55.325	54.446	53.870	53.467	52.776
86.5	48.355	47.333	46.685	46.195	45.648
87.0	41.443	40.205	39.658	39.038	38.621
87.5	34.416	33.206	32.702	32.227	31.795
88.0	27.547	26.222	26.107	26.352	26.237
88.5	20.477	20.016	20.851	21.715	21.960
89.0	13.694	15.408	16.934	18.029	18.432
89.5	7.632	11.822	13.406	14.515	15.034
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.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 : HCB16-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 : HCB16-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 : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	458.13	N.A.	13.50
0-30	961.17	N.A.	28.40
0-40	1550.36	N.A.	45.80
0-60	2671.82	N.A.	78.90
0-80	3310.34	N.A.	97.80
0-90	3386.53	N.A.	100.00
10-90	3267.32	N.A.	96.50
20-40	1092.23	N.A.	32.30
20-50	1686.7	N.A.	49.80
40-70	1521.53	N.A.	44.90
60-80	638.52	N.A.	18.90
70-80	238.45	N.A.	7.00
80-90	76.19	N.A.	2.20
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	3386.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.21
10-20	338.91
20-30	503.05
30-40	589.18
40-50	594.47
50-60	526.99
60-70	400.07
70-80	238.45
80-90	76.19
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

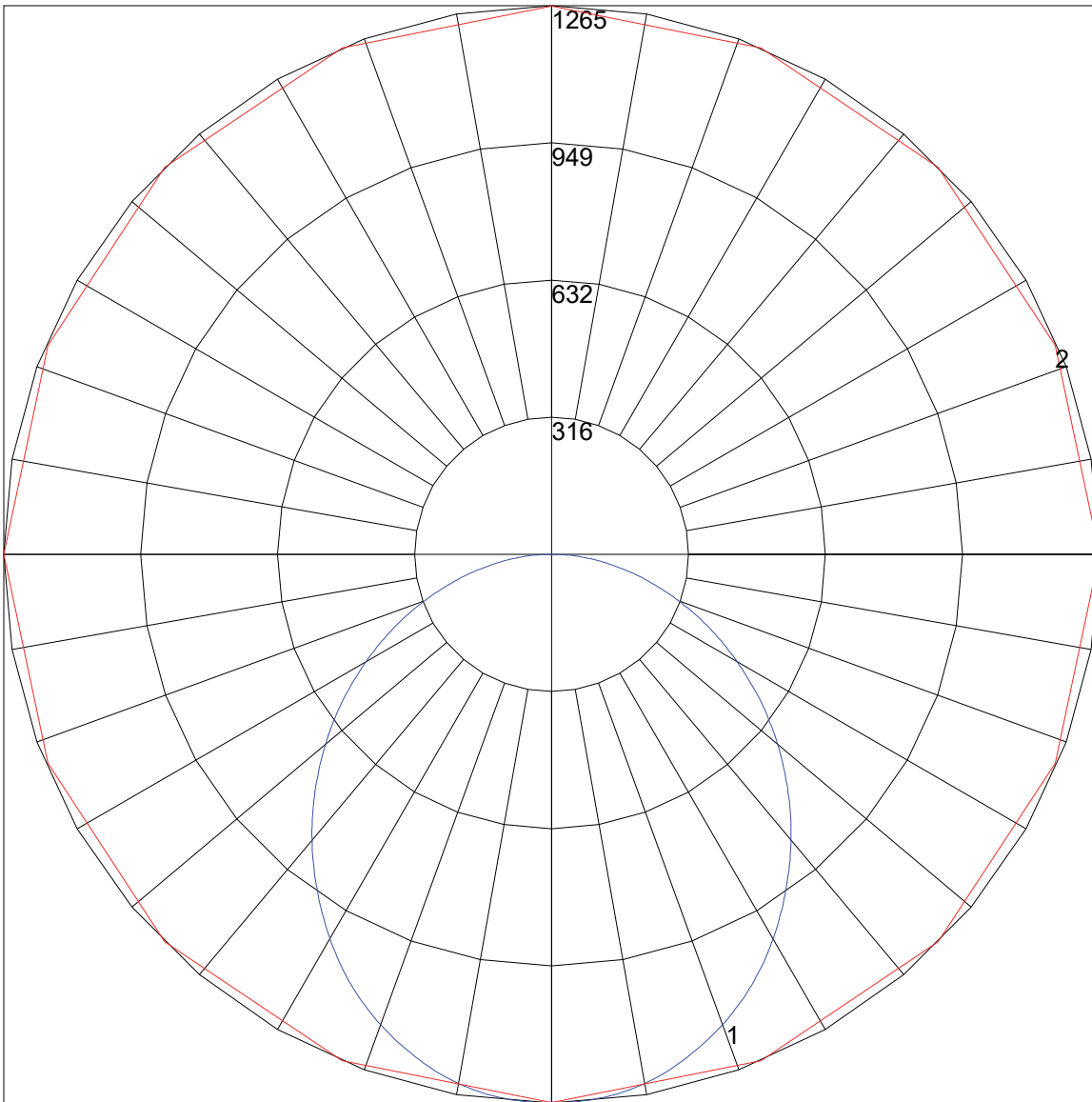
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB16-T1-44-BS35-ND-H-F1-SN-GEN2.IES

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	99	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	73	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

POLAR GRAPH



Maximum Candela = 1264.896 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)