

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-R-A-SM-SN-AW-GEN2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 13142110.03 mod to gen 2
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 12/3/2019
 [MANUFAC] BARTCO LIGHTING INC
 [LUMCAT] HCB07-4-BS35-ND-R-A-SM-SN-AW
 [LUMINAIRE] White rectangular metal housing with diffuse plastic lens
 [LAMP] White LED array
 [BALLAST] One (1) Philips Advance XI040C110V054BST1
 [OTHER] 24.7 C, 120.01 V, 0.2986 A, 35.72 W, 0.9966 PF, 59.99 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	3088
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	35.72
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.52
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7842	6955	7110
55	6960	6367	6734
65	6026	5816	6326
75	5031	5263	5798
85	3656	4805	5294

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-R-A-SM-SN-AW-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	605.988	605.988	605.988	605.988	605.988
0.5	607.068	605.340	606.744	606.852	605.340
1.0	606.960	605.340	607.500	607.932	606.636
1.5	606.852	605.664	608.256	609.444	608.364
2.0	606.636	605.772	609.336	610.956	610.200
2.5	606.096	606.204	610.524	612.576	612.252
3.0	605.664	606.420	611.604	614.088	613.980
3.5	605.340	606.636	612.576	615.600	615.816
4.0	604.692	606.852	613.548	617.112	617.436
4.5	604.044	606.960	614.412	618.408	618.948
5.0	603.288	607.068	615.276	619.704	620.460
5.5	602.424	607.068	615.924	621.000	621.864
6.0	601.560	606.960	616.572	622.188	623.268
6.5	600.588	606.852	617.328	623.268	624.348
7.0	599.292	606.636	617.868	624.240	625.536
7.5	598.428	606.204	618.300	625.212	626.508
8.0	597.132	605.988	618.840	626.184	627.588
8.5	595.836	605.448	619.056	626.940	628.668
9.0	594.216	604.908	619.488	627.804	629.532
9.5	592.596	604.152	619.596	628.668	630.504
10.0	590.760	603.504	619.596	629.208	631.368
10.5	589.032	602.532	619.704	629.964	632.340
11.0	587.196	601.776	619.812	630.612	633.312
11.5	585.252	600.696	619.704	631.152	634.068
12.0	583.308	599.616	619.488	631.584	634.932
12.5	581.148	598.536	619.272	631.908	635.472
13.0	578.988	597.348	618.732	632.232	636.012
13.5	576.612	596.052	618.300	632.448	636.660
14.0	574.128	594.648	617.760	632.664	637.200
14.5	571.644	593.244	617.328	632.880	637.848
15.0	569.160	591.624	616.680	632.988	638.172
15.5	566.460	589.896	616.032	632.988	638.280
16.0	563.760	588.168	615.276	632.880	638.496
16.5	561.060	586.332	614.520	632.772	638.604
17.0	558.252	584.280	613.548	632.556	638.388
17.5	555.336	582.444	612.576	632.232	638.280
18.0	552.312	580.500	611.604	631.692	638.064
18.5	549.396	578.448	610.524	631.260	637.632
19.0	546.264	576.288	609.444	630.720	637.416
19.5	543.348	574.128	608.256	629.964	636.984
20.0	540.108	571.968	606.852	629.208	636.444
20.5	536.868	569.808	605.232	628.452	635.904
21.0	533.520	567.324	603.612	627.588	635.256
21.5	530.280	564.948	601.992	626.400	634.284
22.0	526.824	562.464	600.372	625.212	633.420
22.5	523.476	560.088	598.536	624.024	632.556
23.0	519.912	557.496	596.700	622.836	631.692
23.5	516.456	554.904	594.864	621.540	630.828
24.0	512.784	552.312	592.920	620.352	629.532
24.5	509.112	549.288	590.868	618.948	628.560
25.0	505.332	546.480	588.816	617.544	627.264
25.5	501.552	543.564	586.872	616.248	626.292
26.0	497.664	540.540	584.820	614.844	625.104
26.5	493.668	537.624	582.660	613.440	624.024

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-R-A-SM-SN-AW-GEN2.IES****CANDELA TABULATION - (Cont.)**

27.0	489.672	534.600	580.500	612.036	622.944
27.5	485.676	531.252	578.232	610.632	621.756
28.0	481.572	528.120	575.964	609.228	620.676
28.5	477.360	524.880	573.696	607.824	619.704
29.0	473.040	521.640	571.320	606.312	618.624
29.5	468.828	518.184	569.052	604.908	617.544
30.0	464.508	514.836	566.676	603.396	616.464
30.5	460.296	511.380	564.192	601.884	615.384
31.0	455.868	508.032	561.816	600.480	614.304
31.5	451.548	504.576	559.548	598.860	613.332
32.0	446.904	501.120	557.064	597.348	612.144
32.5	442.800	497.664	554.580	595.836	610.956
33.0	438.372	494.100	552.096	594.324	609.660
33.5	433.836	490.644	549.720	592.596	608.364
34.0	429.408	487.080	547.128	590.976	607.068
34.5	424.872	483.516	544.644	589.248	605.556
35.0	420.552	479.952	542.052	587.412	604.152
35.5	415.908	476.280	539.460	585.684	602.748
36.0	411.372	472.716	536.976	583.848	601.128
36.5	406.944	469.044	534.276	581.904	599.724
37.0	402.516	465.480	531.684	580.068	598.212
37.5	398.088	461.808	528.984	578.124	596.700
38.0	393.444	458.136	526.176	576.180	595.080
38.5	389.016	454.464	523.476	574.236	593.460
39.0	384.480	450.684	520.776	572.184	591.732
39.5	380.052	447.012	518.076	570.240	590.112
40.0	375.516	443.340	515.268	568.296	588.492
40.5	370.872	439.452	512.460	566.352	586.872
41.0	366.228	435.672	509.652	564.300	585.360
41.5	361.800	432.108	506.736	562.356	583.740
42.0	357.372	428.328	504.036	560.412	581.796
42.5	352.836	424.548	501.120	558.576	580.608
43.0	348.300	420.768	498.312	556.524	578.988
43.5	343.548	416.988	495.504	554.580	577.260
44.0	339.120	413.316	492.696	552.744	575.748
44.5	334.692	409.536	489.996	550.800	574.128
45.0	330.156	405.756	487.080	548.748	572.616
45.5	325.620	401.976	484.272	546.912	570.996
46.0	320.976	398.088	481.464	544.968	569.376
46.5	316.440	394.416	478.548	542.916	567.756
47.0	312.012	390.528	475.740	540.864	566.244
47.5	307.476	386.748	472.824	538.920	564.624
48.0	302.940	382.968	469.908	536.976	562.896
48.5	298.620	379.080	466.884	534.924	561.168
49.0	294.192	375.300	463.968	532.764	559.332
49.5	289.764	371.412	461.052	530.712	557.604
50.0	285.336	367.740	458.244	528.660	555.876
50.5	281.016	363.852	455.112	526.392	553.824
51.0	276.480	360.072	452.088	524.124	551.988
51.5	272.052	356.184	449.172	521.748	549.936
52.0	267.624	352.404	446.148	519.480	547.884
52.5	263.304	348.732	443.124	516.996	545.724
53.0	258.984	344.952	439.992	514.620	543.456
53.5	254.664	341.172	436.968	512.028	541.296
54.0	250.236	337.392	433.728	509.544	538.920
54.5	245.916	333.612	430.596	507.060	536.436

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55.0	242.136	329.724	427.572	504.468	534.060
55.5	237.600	326.052	424.440	501.768	531.684
56.0	233.064	322.272	421.200	499.068	529.092
56.5	228.852	318.492	417.960	496.476	526.716
57.0	224.532	314.712	414.720	493.776	524.124
57.5	220.212	310.824	411.588	490.968	521.532
58.0	215.892	307.044	408.240	488.268	518.832
58.5	211.572	303.264	405.108	485.460	516.348
59.0	207.468	299.484	401.868	482.652	513.648
59.5	203.256	295.596	398.520	479.736	511.056
60.0	198.936	291.816	395.280	476.928	508.248
60.5	194.940	287.928	391.932	474.120	505.548
61.0	190.944	284.256	388.692	471.096	502.632
61.5	186.840	280.476	385.344	468.288	500.040
62.0	182.844	276.804	381.996	465.372	497.016
62.5	178.740	273.024	378.756	462.456	494.100
63.0	174.852	269.244	375.408	459.324	491.076
63.5	170.856	265.572	372.060	456.408	488.160
64.0	166.968	261.900	368.712	453.168	485.136
64.5	163.080	258.336	365.256	450.036	482.004
65.0	159.192	254.664	361.908	446.904	478.764
65.5	155.304	250.992	358.452	443.664	475.524
66.0	151.416	247.428	354.996	440.316	472.176
66.5	147.420	243.864	351.540	436.860	468.936
67.0	143.640	240.084	347.976	433.404	465.264
67.5	139.860	236.628	344.520	430.056	461.808
68.0	136.080	233.064	341.064	426.492	458.136
68.5	132.192	229.500	337.500	422.928	454.464
69.0	128.412	225.828	333.936	419.148	450.684
69.5	124.740	222.264	330.372	415.584	446.904
70.0	121.068	218.808	326.808	411.912	443.124
70.5	117.396	215.352	323.352	408.348	439.236
71.0	113.832	211.680	319.896	404.568	435.456
71.5	110.268	208.116	316.332	400.896	431.568
72.0	106.834	204.660	312.768	397.224	427.788
72.5	103.399	201.204	309.204	393.552	423.900
73.0	100.008	197.748	305.640	389.880	420.012
73.5	96.574	194.292	302.292	386.208	415.908
74.0	93.269	190.944	298.620	382.428	412.020
74.5	89.975	187.488	295.164	378.648	408.240
75.0	86.756	184.140	291.600	374.976	404.352
75.5	83.527	180.900	288.252	371.304	400.464
76.0	80.320	177.444	284.904	367.524	396.468
76.5	77.101	174.204	281.448	363.852	392.688
77.0	73.969	171.072	277.884	360.072	388.692
77.5	70.870	167.832	274.644	356.400	384.804
78.0	67.802	164.700	271.296	352.728	381.024
78.5	64.768	161.568	267.840	349.164	377.136
79.0	61.711	158.436	264.600	345.600	373.464
79.5	58.763	155.304	261.252	342.036	369.576
80.0	55.728	152.280	257.904	338.256	365.904
80.5	52.747	149.148	254.664	334.692	362.016
81.0	49.799	146.124	251.316	331.020	358.236
81.5	46.883	143.100	248.076	327.456	354.348
82.0	44.042	140.076	244.836	323.784	350.460
82.5	41.213	137.052	241.704	320.112	346.572

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83.0	38.448	134.028	238.464	316.332	342.792
83.5	35.716	131.112	235.224	312.552	338.796
84.0	32.983	128.088	231.768	308.880	334.800
84.5	30.272	125.172	228.636	305.100	330.804
85.0	27.594	122.256	225.396	301.320	326.592
85.5	24.948	119.340	222.156	297.540	322.812
86.0	22.313	116.424	218.916	293.652	318.600
86.5	19.688	113.616	215.676	289.980	314.604
87.0	17.053	110.808	212.544	286.308	310.716
87.5	14.494	108.108	209.304	282.528	306.612
88.0	11.912	105.386	205.956	278.856	302.724
88.5	9.796	102.978	203.148	275.292	298.836
89.0	8.111	100.764	200.340	272.160	295.704
89.5	6.782	98.734	197.964	269.352	292.680
90.0	5.422	97.286	195.912	266.760	289.872
90.5	4.234	96.174	194.184	264.276	286.956
91.0	3.488	95.310	192.564	262.116	284.688
91.5	3.305	94.748	191.484	260.388	282.744
92.0	3.326	94.230	190.404	258.660	280.476
92.5	3.305	93.744	189.324	256.932	278.640
93.0	3.294	93.334	188.136	255.204	276.696
93.5	3.251	92.923	186.948	253.368	274.752
94.0	3.229	92.502	185.868	251.748	272.808
94.5	3.186	92.081	184.896	250.020	270.864
95.0	3.208	91.660	183.708	248.400	268.920
95.5	3.186	91.249	182.520	246.780	266.976
96.0	3.175	90.828	181.440	245.052	265.032
96.5	3.164	90.407	180.360	243.432	263.196
97.0	3.143	89.932	179.280	241.812	261.252
97.5	3.132	89.543	178.200	240.192	259.416
98.0	3.132	89.078	177.120	238.572	257.580
98.5	3.121	88.625	176.040	236.844	255.744
99.0	3.132	88.160	174.960	235.224	253.800
99.5	3.164	87.685	173.880	233.496	251.856
100.0	3.164	87.178	172.800	231.876	249.912
100.5	3.164	86.670	171.612	230.148	247.860
101.0	3.164	86.152	170.532	228.420	246.132
101.5	3.186	85.612	169.452	226.692	244.080
102.0	3.186	85.093	168.264	224.964	242.244
102.5	3.240	84.542	167.184	223.236	240.300
103.0	3.240	83.992	165.996	221.508	238.464
103.5	3.240	83.408	164.808	219.672	236.520
104.0	3.218	82.814	163.512	217.836	234.576
104.5	3.208	82.210	162.324	216.108	232.524
105.0	3.208	81.616	161.136	214.380	230.688
105.5	3.218	81.054	159.948	212.652	228.744
106.0	3.218	80.460	158.760	210.924	227.016
106.5	3.229	79.812	157.572	209.304	224.964
107.0	3.240	79.110	156.384	207.576	223.128
107.5	3.251	78.440	155.196	205.956	221.292
108.0	3.262	77.803	154.116	204.336	219.564
108.5	3.272	77.188	152.928	202.716	217.728
109.0	3.294	76.561	151.740	200.880	216.000
109.5	3.294	75.913	150.552	199.152	214.056
110.0	3.294	75.265	149.364	197.424	212.328
110.5	3.294	74.650	148.284	195.804	210.600

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111.0	3.294	74.077	146.988	194.184	208.656
111.5	3.294	73.526	145.908	192.672	206.928
112.0	3.294	72.997	144.720	191.052	205.308
112.5	3.272	72.479	143.532	189.324	203.580
113.0	3.262	71.917	142.236	187.812	201.744
113.5	3.240	71.366	141.156	186.084	199.908
114.0	3.229	70.783	139.860	184.356	198.180
114.5	3.197	70.178	138.672	182.736	196.344
115.0	3.175	69.552	137.268	181.116	194.724
115.5	3.143	68.915	135.864	179.496	192.888
116.0	3.110	68.245	134.460	177.984	191.268
116.5	3.078	67.565	133.164	176.364	189.540
117.0	3.035	66.906	131.868	174.744	187.812
117.5	3.013	66.139	130.680	173.232	186.192
118.0	2.981	65.297	129.492	171.612	184.248
118.5	2.970	64.454	128.304	170.100	182.520
119.0	2.948	63.601	127.008	168.588	180.792
119.5	2.916	62.813	125.928	166.968	179.172
120.0	2.894	62.089	124.740	165.456	177.552
120.5	2.873	61.463	123.552	163.836	175.932
121.0	2.862	60.869	122.364	162.216	174.312
121.5	2.840	60.253	121.176	160.704	172.692
122.0	2.840	59.616	119.988	159.084	171.072
122.5	2.840	58.892	118.908	157.572	169.560
123.0	2.830	58.115	117.828	155.952	167.940
123.5	2.830	57.380	116.748	154.224	166.428
124.0	2.830	56.646	115.668	152.604	164.808
124.5	2.808	55.890	114.696	151.092	163.296
125.0	2.797	55.069	113.616	149.580	161.676
125.5	2.808	54.270	112.536	147.960	160.164
126.0	2.797	53.482	111.456	146.556	158.652
126.5	2.819	52.726	110.376	145.044	157.032
127.0	2.819	51.991	109.188	143.532	155.412
127.5	2.830	51.332	107.892	142.020	153.792
128.0	2.840	50.738	106.564	140.616	152.172
128.5	2.840	50.188	105.160	139.212	150.660
129.0	2.862	49.648	103.680	137.808	149.040
129.5	2.851	49.075	102.146	136.404	147.420
130.0	2.851	48.503	100.559	135.000	145.800
130.5	2.862	47.898	98.885	133.596	144.180
131.0	2.851	47.272	97.222	132.192	142.560
131.5	2.840	46.602	95.418	130.788	140.940
132.0	2.873	45.922	93.550	129.384	139.212
132.5	2.851	45.241	91.660	128.088	137.592
133.0	2.851	44.539	89.824	126.684	135.972
133.5	2.851	43.859	88.063	125.280	134.352
134.0	2.851	43.178	86.443	123.876	132.624
134.5	2.840	42.509	84.877	122.472	130.896
135.0	2.830	41.839	83.441	121.068	129.060
135.5	2.808	41.180	82.112	119.556	127.332
136.0	2.808	40.511	80.903	118.152	125.712
136.5	2.808	39.852	79.769	116.640	124.200
137.0	2.776	39.204	78.646	115.128	122.688
137.5	2.797	38.599	77.490	113.616	121.068
138.0	2.776	37.984	76.313	112.212	119.556
138.5	2.754	37.368	75.168	110.592	118.044

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139.0	2.754	36.785	74.002	109.080	116.640
139.5	2.754	36.169	72.770	107.503	115.236
140.0	2.743	35.597	71.518	105.926	113.940
140.5	2.754	35.035	70.211	104.263	112.644
141.0	2.754	34.495	68.893	102.470	111.132
141.5	2.754	33.966	67.619	100.537	109.728
142.0	2.754	33.448	66.377	98.518	108.216
142.5	2.754	32.951	65.200	96.509	106.672
143.0	2.743	32.432	64.087	94.522	105.095
143.5	2.732	31.925	63.050	92.459	103.486
144.0	2.732	31.396	62.057	90.407	101.844
144.5	2.743	30.866	61.052	88.582	100.192
145.0	2.754	30.337	60.048	86.864	98.572
145.5	2.754	29.808	59.022	85.082	96.941
146.0	2.765	29.268	57.942	83.311	95.321
146.5	2.765	28.728	56.808	81.486	93.690
147.0	2.776	28.166	55.620	79.715	92.038
147.5	2.797	27.572	54.475	77.900	90.353
148.0	2.786	26.935	53.341	76.000	88.571
148.5	2.797	26.298	52.229	74.120	86.886
149.0	2.797	25.726	51.181	72.263	85.115
149.5	2.808	25.218	50.123	70.416	83.268
150.0	2.808	24.743	49.118	68.558	81.367
150.5	2.808	24.332	48.211	66.712	79.466
151.0	2.808	23.944	47.358	64.886	77.630
151.5	2.797	23.544	46.505	63.072	75.838
152.0	2.797	23.134	45.652	61.344	74.056
152.5	2.808	22.734	44.798	59.692	72.479
153.0	2.830	22.313	43.934	58.244	71.064
153.5	2.819	21.892	43.060	56.938	69.682
154.0	2.819	21.460	42.196	55.750	68.342
154.5	2.830	21.049	41.310	54.648	67.046
155.0	2.840	20.617	40.414	53.503	65.794
155.5	2.830	20.153	39.517	52.380	64.400
156.0	2.840	19.699	38.621	51.192	62.953
156.5	2.840	19.246	37.724	49.874	61.474
157.0	2.840	18.781	36.774	48.535	59.951
157.5	2.840	18.360	35.759	47.164	58.439
158.0	2.851	17.917	34.722	45.716	56.981
158.5	2.851	17.474	33.599	44.258	55.436
159.0	2.851	17.010	32.432	42.757	53.860
159.5	2.851	16.546	31.212	41.353	52.315
160.0	2.851	16.070	29.992	39.928	50.717
160.5	2.851	15.617	28.901	38.491	49.054
161.0	2.851	15.163	28.037	37.098	47.401
161.5	2.851	14.731	27.367	35.716	45.814
162.0	2.851	14.310	26.741	34.279	44.194
162.5	2.840	13.910	26.039	32.854	42.617
163.0	2.840	13.532	25.294	31.417	41.224
163.5	2.851	13.176	24.505	29.992	40.014
164.0	2.862	12.809	23.695	28.620	38.966
164.5	2.862	12.463	22.864	27.248	37.908
165.0	2.873	12.118	22.097	25.877	36.742
165.5	2.873	11.761	21.384	24.581	35.456
166.0	2.884	11.405	20.639	23.263	34.042
166.5	2.916	11.070	19.775	22.054	32.519

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-R-A-SM-SN-AW-GEN2.IES

CANDELA TABULATION - (Cont.)

167.0	2.938	10.714	18.911	20.952	30.931
167.5	2.938	10.357	18.058	19.861	29.311
168.0	2.927	9.979	17.215	18.846	27.659
168.5	2.927	9.612	16.427	17.896	25.877
169.0	2.927	9.234	15.671	16.988	23.814
169.5	2.927	8.856	14.958	16.146	21.200
170.0	2.938	8.489	14.245	15.379	17.561
170.5	2.938	8.111	13.522	14.612	14.321
171.0	2.938	7.733	12.809	13.792	11.081
171.5	2.959	7.355	12.128	13.025	7.916
172.0	2.981	6.966	11.480	12.193	6.372
172.5	2.981	6.588	10.822	11.297	5.897
173.0	2.970	6.188	10.120	10.411	5.497
173.5	2.959	5.810	9.364	9.547	5.076
174.0	2.959	5.432	8.608	8.640	4.612
174.5	2.970	5.065	7.841	7.776	4.093
175.0	2.970	4.698	7.074	6.998	3.575
175.5	2.959	4.352	6.307	6.242	3.046
176.0	2.970	4.007	5.594	5.465	2.549
176.5	2.959	3.715	4.882	4.698	2.084
177.0	2.948	3.445	4.201	3.910	1.631
177.5	2.927	3.208	3.532	3.110	1.199
178.0	2.905	3.046	2.948	2.354	0.734
178.5	2.873	2.862	2.527	1.739	0.335
179.0	2.851	2.624	2.171	1.274	0.140
179.5	2.830	2.354	1.814	0.875	0.000
180.0	1.480	1.480	1.480	1.480	1.480

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-R-A-SM-SN-AW-GEN2.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	231.28	N.A.	7.50
0-30	498.72	N.A.	16.20
0-40	830.99	N.A.	26.90
0-60	1565.92	N.A.	50.70
0-80	2198.12	N.A.	71.20
0-90	2423.75	N.A.	78.50
10-90	2365.11	N.A.	76.60
20-40	599.71	N.A.	19.40
20-50	965.48	N.A.	31.30
40-70	1077.17	N.A.	34.90
60-80	632.19	N.A.	20.50
70-80	289.96	N.A.	9.40
80-90	225.63	N.A.	7.30
90-110	332.10	N.A.	10.80
90-120	453.00	N.A.	14.70
90-130	543.02	N.A.	17.60
90-150	640.04	N.A.	20.70
90-180	664.11	N.A.	21.50
110-180	332.01	N.A.	10.80
0-180	3087.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.64
10-20	172.64
20-30	267.45
30-40	332.26
40-50	365.77
50-60	369.16
60-70	342.23
70-80	289.96
80-90	225.63
90-100	180.14
100-110	151.96
110-120	120.89
120-130	90.03
130-140	60.94
140-150	36.08
150-160	17.44
160-170	5.92
170-180	0.72

IES INDOOR REPORT

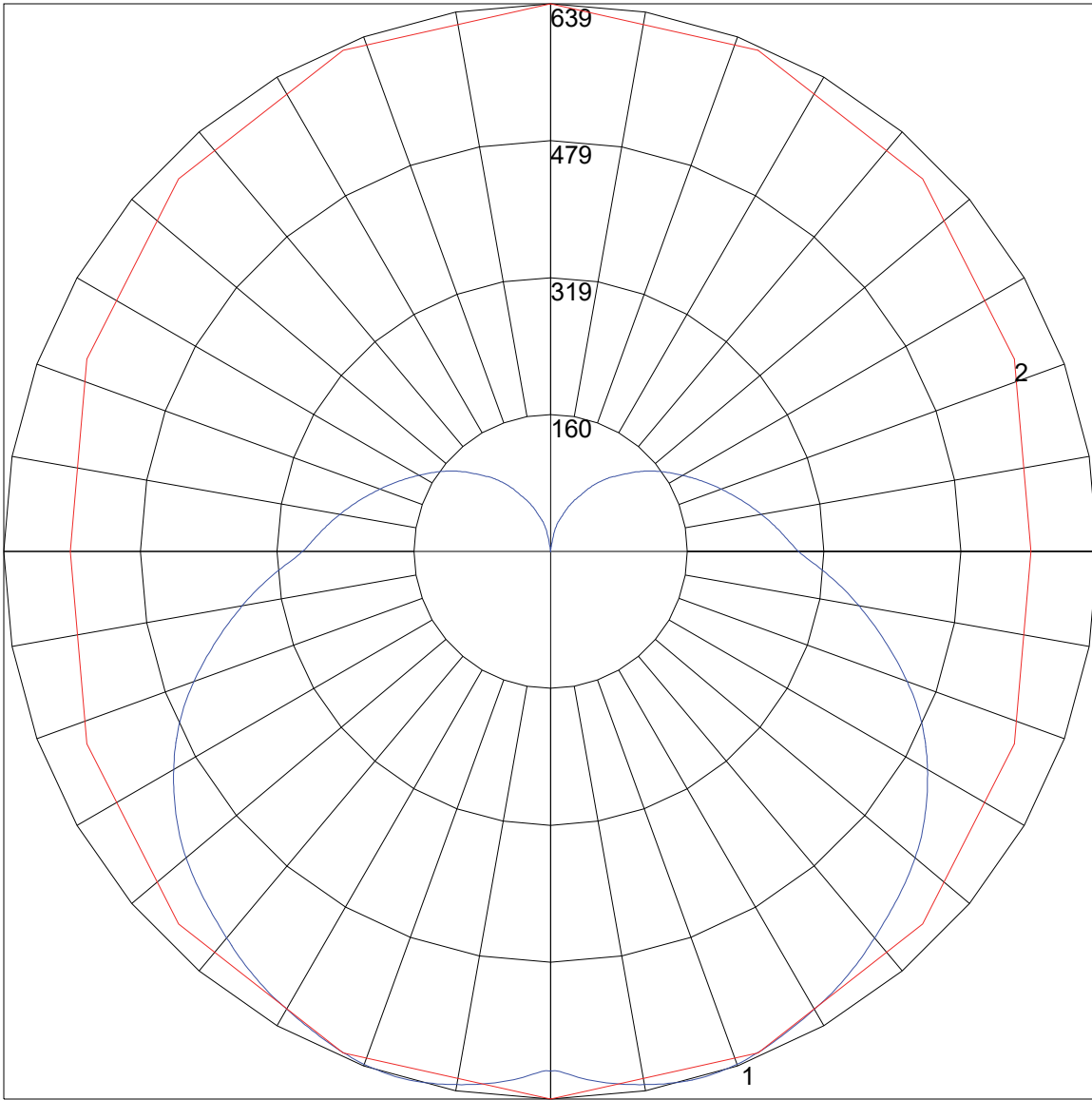
PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-R-A-SM-SN-AW-GEN2.IES

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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	101	95	90	85	96	90	86	81	82	78	75	75	71	69	68	65	63	59
2	91	81	73	67	86	77	70	64	70	64	59	64	59	55	58	54	51	47
3	82	70	61	54	77	67	59	52	61	54	49	55	50	45	50	45	42	38
4	75	62	52	45	70	59	50	44	54	46	41	49	43	38	44	39	35	32
5	68	55	45	38	65	52	44	37	48	40	35	43	37	32	39	34	30	27
6	63	49	40	33	59	47	38	32	43	35	30	39	33	28	36	30	26	23
7	58	44	35	29	55	42	34	28	39	31	26	35	29	25	32	27	23	21
8	54	40	31	25	51	38	30	25	35	28	23	32	26	22	30	24	20	18
9	50	37	28	23	48	35	27	22	32	26	21	30	24	19	27	22	18	16
10	47	34	26	20	45	32	25	20	30	23	19	28	22	18	25	20	17	15

POLAR GRAPH



Maximum Candela = 638.604 Located At Horizontal Angle = 90, Vertical Angle = 16.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (16.5) (Through Max. Cd.)