

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-H-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	4117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	49.11
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	10456	9273	9480
55	9281	8490	8978
65	8035	7755	8435
75	6708	7017	7730
85	4875	6407	7058

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-H-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	807.984	807.984	807.984	807.984	807.984
0.5	809.424	807.120	808.992	809.136	807.120
1.0	809.280	807.120	810.000	810.576	808.848
1.5	809.136	807.552	811.008	812.592	811.152
2.0	808.848	807.696	812.448	814.608	813.600
2.5	808.128	808.272	814.032	816.768	816.336
3.0	807.552	808.560	815.472	818.784	818.640
3.5	807.120	808.848	816.768	820.800	821.088
4.0	806.256	809.136	818.064	822.816	823.248
4.5	805.392	809.280	819.216	824.544	825.264
5.0	804.384	809.424	820.368	826.272	827.280
5.5	803.232	809.424	821.232	828.000	829.152
6.0	802.080	809.280	822.096	829.584	831.024
6.5	800.784	809.136	823.104	831.024	832.464
7.0	799.056	808.848	823.824	832.320	834.048
7.5	797.904	808.272	824.400	833.616	835.344
8.0	796.176	807.984	825.120	834.912	836.784
8.5	794.448	807.264	825.408	835.920	838.224
9.0	792.288	806.544	825.984	837.072	839.376
9.5	790.128	805.536	826.128	838.224	840.672
10.0	787.680	804.672	826.128	838.944	841.824
10.5	785.376	803.376	826.272	839.952	843.120
11.0	782.928	802.368	826.416	840.816	844.416
11.5	780.336	800.928	826.272	841.536	845.424
12.0	777.744	799.488	825.984	842.112	846.576
12.5	774.864	798.048	825.696	842.544	847.296
13.0	771.984	796.464	824.976	842.976	848.016
13.5	768.816	794.736	824.400	843.264	848.880
14.0	765.504	792.864	823.680	843.552	849.600
14.5	762.192	790.992	823.104	843.840	850.464
15.0	758.880	788.832	822.240	843.984	850.896
15.5	755.280	786.528	821.376	843.984	851.040
16.0	751.680	784.224	820.368	843.840	851.328
16.5	748.080	781.776	819.360	843.696	851.472
17.0	744.336	779.040	818.064	843.408	851.184
17.5	740.448	776.592	816.768	842.976	851.040
18.0	736.416	774.000	815.472	842.256	850.752
18.5	732.528	771.264	814.032	841.680	850.176
19.0	728.352	768.384	812.592	840.960	849.888
19.5	724.464	765.504	811.008	839.952	849.312
20.0	720.144	762.624	809.136	838.944	848.592
20.5	715.824	759.744	806.976	837.936	847.872
21.0	711.360	756.432	804.816	836.784	847.008
21.5	707.040	753.264	802.656	835.200	845.712
22.0	702.432	749.952	800.496	833.616	844.560
22.5	697.968	746.784	798.048	832.032	843.408
23.0	693.216	743.328	795.600	830.448	842.256
23.5	688.608	739.872	793.152	828.720	841.104
24.0	683.712	736.416	790.560	827.136	839.376
24.5	678.816	732.384	787.824	825.264	838.080
25.0	673.776	728.640	785.088	823.392	836.352
25.5	668.736	724.752	782.496	821.664	835.056
26.0	663.552	720.720	779.760	819.792	833.472
26.5	658.224	716.832	776.880	817.920	832.032

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

27.0	652.896	712.800	774.000	816.048	830.592
27.5	647.568	708.336	770.976	814.176	829.008
28.0	642.096	704.160	767.952	812.304	827.568
28.5	636.480	699.840	764.928	810.432	826.272
29.0	630.720	695.520	761.760	808.416	824.832
29.5	625.104	690.912	758.736	806.544	823.392
30.0	619.344	686.448	755.568	804.528	821.952
30.5	613.728	681.840	752.256	802.512	820.512
31.0	607.824	677.376	749.088	800.640	819.072
31.5	602.064	672.768	746.064	798.480	817.776
32.0	595.872	668.160	742.752	796.464	816.192
32.5	590.400	663.552	739.440	794.448	814.608
33.0	584.496	658.800	736.128	792.432	812.880
33.5	578.448	654.192	732.960	790.128	811.152
34.0	572.544	649.440	729.504	787.968	809.424
34.5	566.496	644.688	726.192	785.664	807.408
35.0	560.736	639.936	722.736	783.216	805.536
35.5	554.544	635.040	719.280	780.912	803.664
36.0	548.496	630.288	715.968	778.464	801.504
36.5	542.592	625.392	712.368	775.872	799.632
37.0	536.688	620.640	708.912	773.424	797.616
37.5	530.784	615.744	705.312	770.832	795.600
38.0	524.592	610.848	701.568	768.240	793.440
38.5	518.688	605.952	697.968	765.648	791.280
39.0	512.640	600.912	694.368	762.912	788.976
39.5	506.736	596.016	690.768	760.320	786.816
40.0	500.688	591.120	687.024	757.728	784.656
40.5	494.496	585.936	683.280	755.136	782.496
41.0	488.304	580.896	679.536	752.400	780.480
41.5	482.400	576.144	675.648	749.808	778.320
42.0	476.496	571.104	672.048	747.216	775.728
42.5	470.448	566.064	668.160	744.768	774.144
43.0	464.400	561.024	664.416	742.032	771.984
43.5	458.064	555.984	660.672	739.440	769.680
44.0	452.160	551.088	656.928	736.992	767.664
44.5	446.256	546.048	653.328	734.400	765.504
45.0	440.208	541.008	649.440	731.664	763.488
45.5	434.160	535.968	645.696	729.216	761.328
46.0	427.968	530.784	641.952	726.624	759.168
46.5	421.920	525.888	638.064	723.888	757.008
47.0	416.016	520.704	634.320	721.152	754.992
47.5	409.968	515.664	630.432	718.560	752.832
48.0	403.920	510.624	626.544	715.968	750.528
48.5	398.160	505.440	622.512	713.232	748.224
49.0	392.256	500.400	618.624	710.352	745.776
49.5	386.352	495.216	614.736	707.616	743.472
50.0	380.448	490.320	610.992	704.880	741.168
50.5	374.688	485.136	606.816	701.856	738.432
51.0	368.640	480.096	602.784	698.832	735.984
51.5	362.736	474.912	598.896	695.664	733.248
52.0	356.832	469.872	594.864	692.640	730.512
52.5	351.072	464.976	590.832	689.328	727.632
53.0	345.312	459.936	586.656	686.160	724.608
53.5	339.552	454.896	582.624	682.704	721.728
54.0	333.648	449.856	578.304	679.392	718.560
54.5	327.888	444.816	574.128	676.080	715.248

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55.0	322.848	439.632	570.096	672.624	712.080
55.5	316.800	434.736	565.920	669.024	708.912
56.0	310.752	429.696	561.600	665.424	705.456
56.5	305.136	424.656	557.280	661.968	702.288
57.0	299.376	419.616	552.960	658.368	698.832
57.5	293.616	414.432	548.784	654.624	695.376
58.0	287.856	409.392	544.320	651.024	691.776
58.5	282.096	404.352	540.144	647.280	688.464
59.0	276.624	399.312	535.824	643.536	684.864
59.5	271.008	394.128	531.360	639.648	681.408
60.0	265.248	389.088	527.040	635.904	677.664
60.5	259.920	383.904	522.576	632.160	674.064
61.0	254.592	379.008	518.256	628.128	670.176
61.5	249.120	373.968	513.792	624.384	666.720
62.0	243.792	369.072	509.328	620.496	662.688
62.5	238.320	364.032	505.008	616.608	658.800
63.0	233.136	358.992	500.544	612.432	654.768
63.5	227.808	354.096	496.080	608.544	650.880
64.0	222.624	349.200	491.616	604.224	646.848
64.5	217.440	344.448	487.008	600.048	642.672
65.0	212.256	339.552	482.544	595.872	638.352
65.5	207.072	334.656	477.936	591.552	634.032
66.0	201.888	329.904	473.328	587.088	629.568
66.5	196.560	325.152	468.720	582.480	625.248
67.0	191.520	320.112	463.968	577.872	620.352
67.5	186.480	315.504	459.360	573.408	615.744
68.0	181.440	310.752	454.752	568.656	610.848
68.5	176.256	306.000	450.000	563.904	605.952
69.0	171.216	301.104	445.248	558.864	600.912
69.5	166.320	296.352	440.496	554.112	595.872
70.0	161.424	291.744	435.744	549.216	590.832
70.5	156.528	287.136	431.136	544.464	585.648
71.0	151.776	282.240	426.528	539.424	580.608
71.5	147.024	277.488	421.776	534.528	575.424
72.0	142.445	272.880	417.024	529.632	570.384
72.5	137.866	268.272	412.272	524.736	565.200
73.0	133.344	263.664	407.520	519.840	560.016
73.5	128.765	259.056	403.056	514.944	554.544
74.0	124.358	254.592	398.160	509.904	549.360
74.5	119.966	249.984	393.552	504.864	544.320
75.0	115.675	245.520	388.800	499.968	539.136
75.5	111.370	241.200	384.336	495.072	533.952
76.0	107.093	236.592	379.872	490.032	528.624
76.5	102.802	232.272	375.264	485.136	523.584
77.0	98.626	228.096	370.512	480.096	518.256
77.5	94.493	223.776	366.192	475.200	513.072
78.0	90.403	219.600	361.728	470.304	508.032
78.5	86.357	215.424	357.120	465.552	502.848
79.0	82.282	211.248	352.800	460.800	497.952
79.5	78.350	207.072	348.336	456.048	492.768
80.0	74.304	203.040	343.872	451.008	487.872
80.5	70.330	198.864	339.552	446.256	482.688
81.0	66.398	194.832	335.088	441.360	477.648
81.5	62.510	190.800	330.768	436.608	472.464
82.0	58.723	186.768	326.448	431.712	467.280
82.5	54.950	182.736	322.272	426.816	462.096

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83.0	51.264	178.704	317.952	421.776	457.056
83.5	47.621	174.816	313.632	416.736	451.728
84.0	43.978	170.784	309.024	411.840	446.400
84.5	40.363	166.896	304.848	406.800	441.072
85.0	36.792	163.008	300.528	401.760	435.456
85.5	33.264	159.120	296.208	396.720	430.416
86.0	29.750	155.232	291.888	391.536	424.800
86.5	26.251	151.488	287.568	386.640	419.472
87.0	22.738	147.744	283.392	381.744	414.288
87.5	19.325	144.144	279.072	376.704	408.816
88.0	15.883	140.515	274.608	371.808	403.632
88.5	13.061	137.304	270.864	367.056	398.448
89.0	10.814	134.352	267.120	362.880	394.272
89.5	9.043	131.645	263.952	359.136	390.240
90.0	7.229	129.715	261.216	355.680	386.496
90.5	5.645	128.232	258.912	352.368	382.608
91.0	4.651	127.080	256.752	349.488	379.584
91.5	4.406	126.331	255.312	347.184	376.992
92.0	4.435	125.640	253.872	344.880	373.968
92.5	4.406	124.992	252.432	342.576	371.520
93.0	4.392	124.445	250.848	340.272	368.928
93.5	4.334	123.898	249.264	337.824	366.336
94.0	4.306	123.336	247.824	335.664	363.744
94.5	4.248	122.774	246.528	333.360	361.152
95.0	4.277	122.213	244.944	331.200	358.560
95.5	4.248	121.666	243.360	329.040	355.968
96.0	4.234	121.104	241.920	326.736	353.376
96.5	4.219	120.542	240.480	324.576	350.928
97.0	4.190	119.909	239.040	322.416	348.336
97.5	4.176	119.390	237.600	320.256	345.888
98.0	4.176	118.771	236.160	318.096	343.440
98.5	4.162	118.166	234.720	315.792	340.992
99.0	4.176	117.547	233.280	313.632	338.400
99.5	4.219	116.914	231.840	311.328	335.808
100.0	4.219	116.237	230.400	309.168	333.216
100.5	4.219	115.560	228.816	306.864	330.480
101.0	4.219	114.869	227.376	304.560	328.176
101.5	4.248	114.149	225.936	302.256	325.440
102.0	4.248	113.458	224.352	299.952	322.992
102.5	4.320	112.723	222.912	297.648	320.400
103.0	4.320	111.989	221.328	295.344	317.952
103.5	4.320	111.211	219.744	292.896	315.360
104.0	4.291	110.419	218.016	290.448	312.768
104.5	4.277	109.613	216.432	288.144	310.032
105.0	4.277	108.821	214.848	285.840	307.584
105.5	4.291	108.072	213.264	283.536	304.992
106.0	4.291	107.280	211.680	281.232	302.688
106.5	4.306	106.416	210.096	279.072	299.952
107.0	4.320	105.480	208.512	276.768	297.504
107.5	4.334	104.587	206.928	274.608	295.056
108.0	4.349	103.738	205.488	272.448	292.752
108.5	4.363	102.917	203.904	270.288	290.304
109.0	4.392	102.082	202.320	267.840	288.000
109.5	4.392	101.218	200.736	265.536	285.408
110.0	4.392	100.354	199.152	263.232	283.104
110.5	4.392	99.533	197.712	261.072	280.800

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111.0	4.392	98.770	195.984	258.912	278.208
111.5	4.392	98.035	194.544	256.896	275.904
112.0	4.392	97.330	192.960	254.736	273.744
112.5	4.363	96.638	191.376	252.432	271.440
113.0	4.349	95.890	189.648	250.416	268.992
113.5	4.320	95.155	188.208	248.112	266.544
114.0	4.306	94.378	186.480	245.808	264.240
114.5	4.262	93.571	184.896	243.648	261.792
115.0	4.234	92.736	183.024	241.488	259.632
115.5	4.190	91.886	181.152	239.328	257.184
116.0	4.147	90.994	179.280	237.312	255.024
116.5	4.104	90.086	177.552	235.152	252.720
117.0	4.046	89.208	175.824	232.992	250.416
117.5	4.018	88.186	174.240	230.976	248.256
118.0	3.974	87.062	172.656	228.816	245.664
118.5	3.960	85.939	171.072	226.800	243.360
119.0	3.931	84.802	169.344	224.784	241.056
119.5	3.888	83.750	167.904	222.624	238.896
120.0	3.859	82.786	166.320	220.608	236.736
120.5	3.830	81.950	164.736	218.448	234.576
121.0	3.816	81.158	163.152	216.288	232.416
121.5	3.787	80.338	161.568	214.272	230.256
122.0	3.787	79.488	159.984	212.112	228.096
122.5	3.787	78.523	158.544	210.096	226.080
123.0	3.773	77.486	157.104	207.936	223.920
123.5	3.773	76.507	155.664	205.632	221.904
124.0	3.773	75.528	154.224	203.472	219.744
124.5	3.744	74.520	152.928	201.456	217.728
125.0	3.730	73.426	151.488	199.440	215.568
125.5	3.744	72.360	150.048	197.280	213.552
126.0	3.730	71.309	148.608	195.408	211.536
126.5	3.758	70.301	147.168	193.392	209.376
127.0	3.758	69.322	145.584	191.376	207.216
127.5	3.773	68.443	143.856	189.360	205.056
128.0	3.787	67.651	142.085	187.488	202.896
128.5	3.787	66.917	140.213	185.616	200.880
129.0	3.816	66.197	138.240	183.744	198.720
129.5	3.802	65.434	136.195	181.872	196.560
130.0	3.802	64.670	134.078	180.000	194.400
130.5	3.816	63.864	131.846	178.128	192.240
131.0	3.802	63.029	129.629	176.256	190.080
131.5	3.787	62.136	127.224	174.384	187.920
132.0	3.830	61.229	124.733	172.512	185.616
132.5	3.802	60.322	122.213	170.784	183.456
133.0	3.802	59.386	119.765	168.912	181.296
133.5	3.802	58.478	117.418	167.040	179.136
134.0	3.802	57.571	115.258	165.168	176.832
134.5	3.787	56.678	113.170	163.296	174.528
135.0	3.773	55.786	111.254	161.424	172.080
135.5	3.744	54.907	109.483	159.408	169.776
136.0	3.744	54.014	107.870	157.536	167.616
136.5	3.744	53.136	106.358	155.520	165.600
137.0	3.701	52.272	104.861	153.504	163.584
137.5	3.730	51.466	103.320	151.488	161.424
138.0	3.701	50.645	101.750	149.616	159.408
138.5	3.672	49.824	100.224	147.456	157.392

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

139.0	3.672	49.046	98.669	145.440	155.520
139.5	3.672	48.226	97.027	143.338	153.648
140.0	3.658	47.462	95.357	141.235	151.920
140.5	3.672	46.714	93.614	139.018	150.192
141.0	3.672	45.994	91.858	136.627	148.176
141.5	3.672	45.288	90.158	134.050	146.304
142.0	3.672	44.597	88.502	131.357	144.288
142.5	3.672	43.934	86.933	128.678	142.229
143.0	3.658	43.243	85.450	126.029	140.126
143.5	3.643	42.566	84.067	123.278	137.981
144.0	3.643	41.861	82.742	120.542	135.792
144.5	3.658	41.155	81.403	118.109	133.589
145.0	3.672	40.450	80.064	115.819	131.429
145.5	3.672	39.744	78.696	113.443	129.254
146.0	3.686	39.024	77.256	111.082	127.094
146.5	3.686	38.304	75.744	108.648	124.920
147.0	3.701	37.555	74.160	106.286	122.717
147.5	3.730	36.763	72.634	103.867	120.470
148.0	3.715	35.914	71.122	101.333	118.094
148.5	3.730	35.064	69.638	98.827	115.848
149.0	3.730	34.301	68.242	96.350	113.486
149.5	3.744	33.624	66.830	93.888	111.024
150.0	3.744	32.990	65.491	91.411	108.490
150.5	3.744	32.443	64.282	88.949	105.955
151.0	3.744	31.925	63.144	86.515	103.507
151.5	3.730	31.392	62.006	84.096	101.117
152.0	3.730	30.845	60.869	81.792	98.741
152.5	3.744	30.312	59.731	79.589	96.638
153.0	3.773	29.750	58.579	77.659	94.752
153.5	3.758	29.189	57.413	75.917	92.909
154.0	3.758	28.613	56.261	74.333	91.123
154.5	3.773	28.066	55.080	72.864	89.395
155.0	3.787	27.490	53.885	71.338	87.725
155.5	3.773	26.870	52.690	69.840	85.867
156.0	3.787	26.266	51.494	68.256	83.938
156.5	3.787	25.661	50.299	66.499	81.965
157.0	3.787	25.042	49.032	64.714	79.934
157.5	3.787	24.480	47.678	62.885	77.918
158.0	3.802	23.890	46.296	60.955	75.974
158.5	3.802	23.299	44.798	59.011	73.915
159.0	3.802	22.680	43.243	57.010	71.813
159.5	3.802	22.061	41.616	55.138	69.754
160.0	3.802	21.427	39.989	53.237	67.622
160.5	3.802	20.822	38.534	51.322	65.405
161.0	3.802	20.218	37.382	49.464	63.202
161.5	3.802	19.642	36.490	47.621	61.085
162.0	3.802	19.080	35.654	45.706	58.925
162.5	3.787	18.547	34.718	43.805	56.822
163.0	3.787	18.043	33.725	41.890	54.965
163.5	3.802	17.568	32.674	39.989	53.352
164.0	3.816	17.078	31.594	38.160	51.955
164.5	3.816	16.618	30.485	36.331	50.544
165.0	3.830	16.157	29.462	34.502	48.989
165.5	3.830	15.682	28.512	32.774	47.275
166.0	3.845	15.206	27.518	31.018	45.389
166.5	3.888	14.760	26.366	29.405	43.358

IES INDOOR REPORT

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

CANDELA TABULATION - (Cont.)

167.0	3.917	14.285	25.214	27.936	41.242
167.5	3.917	13.810	24.077	26.482	39.082
168.0	3.902	13.306	22.954	25.128	36.878
168.5	3.902	12.816	21.902	23.861	34.502
169.0	3.902	12.312	20.894	22.651	31.752
169.5	3.902	11.808	19.944	21.528	28.267
170.0	3.917	11.318	18.994	20.506	23.414
170.5	3.917	10.814	18.029	19.483	19.094
171.0	3.917	10.310	17.078	18.389	14.774
171.5	3.946	9.806	16.171	17.366	10.555
172.0	3.974	9.288	15.307	16.258	8.496
172.5	3.974	8.784	14.429	15.062	7.862
173.0	3.960	8.251	13.493	13.882	7.330
173.5	3.946	7.747	12.485	12.730	6.768
174.0	3.946	7.243	11.477	11.520	6.149
174.5	3.960	6.754	10.454	10.368	5.458
175.0	3.960	6.264	9.432	9.331	4.766
175.5	3.946	5.803	8.410	8.323	4.061
176.0	3.960	5.342	7.459	7.286	3.398
176.5	3.946	4.954	6.509	6.264	2.779
177.0	3.931	4.594	5.602	5.213	2.174
177.5	3.902	4.277	4.709	4.147	1.598
178.0	3.874	4.061	3.931	3.139	0.979
178.5	3.830	3.816	3.370	2.318	0.446
179.0	3.802	3.499	2.894	1.699	0.187
179.5	3.773	3.139	2.419	1.166	0.000
180.0	1.973	1.973	1.973	1.973	1.973

IES INDOOR REPORT

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	308.37	N.A.	7.50
0-30	664.97	N.A.	16.20
0-40	1107.98	N.A.	26.90
0-60	2087.9	N.A.	50.70
0-80	2930.82	N.A.	71.20
0-90	3231.66	N.A.	78.50
10-90	3153.48	N.A.	76.60
20-40	799.61	N.A.	19.40
20-50	1287.31	N.A.	31.30
40-70	1436.22	N.A.	34.90
60-80	842.93	N.A.	20.50
70-80	386.61	N.A.	9.40
80-90	300.84	N.A.	7.30
90-110	442.81	N.A.	10.80
90-120	603.99	N.A.	14.70
90-130	724.03	N.A.	17.60
90-150	853.38	N.A.	20.70
90-180	885.49	N.A.	21.50
110-180	442.68	N.A.	10.80
0-180	4117.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.18
10-20	230.19
20-30	356.59
30-40	443.02
40-50	487.69
50-60	492.22
60-70	456.31
70-80	386.61
80-90	300.84
90-100	240.19
100-110	202.62
110-120	161.19
120-130	120.03
130-140	81.25
140-150	48.10
150-160	23.25
160-170	7.89
170-180	0.96

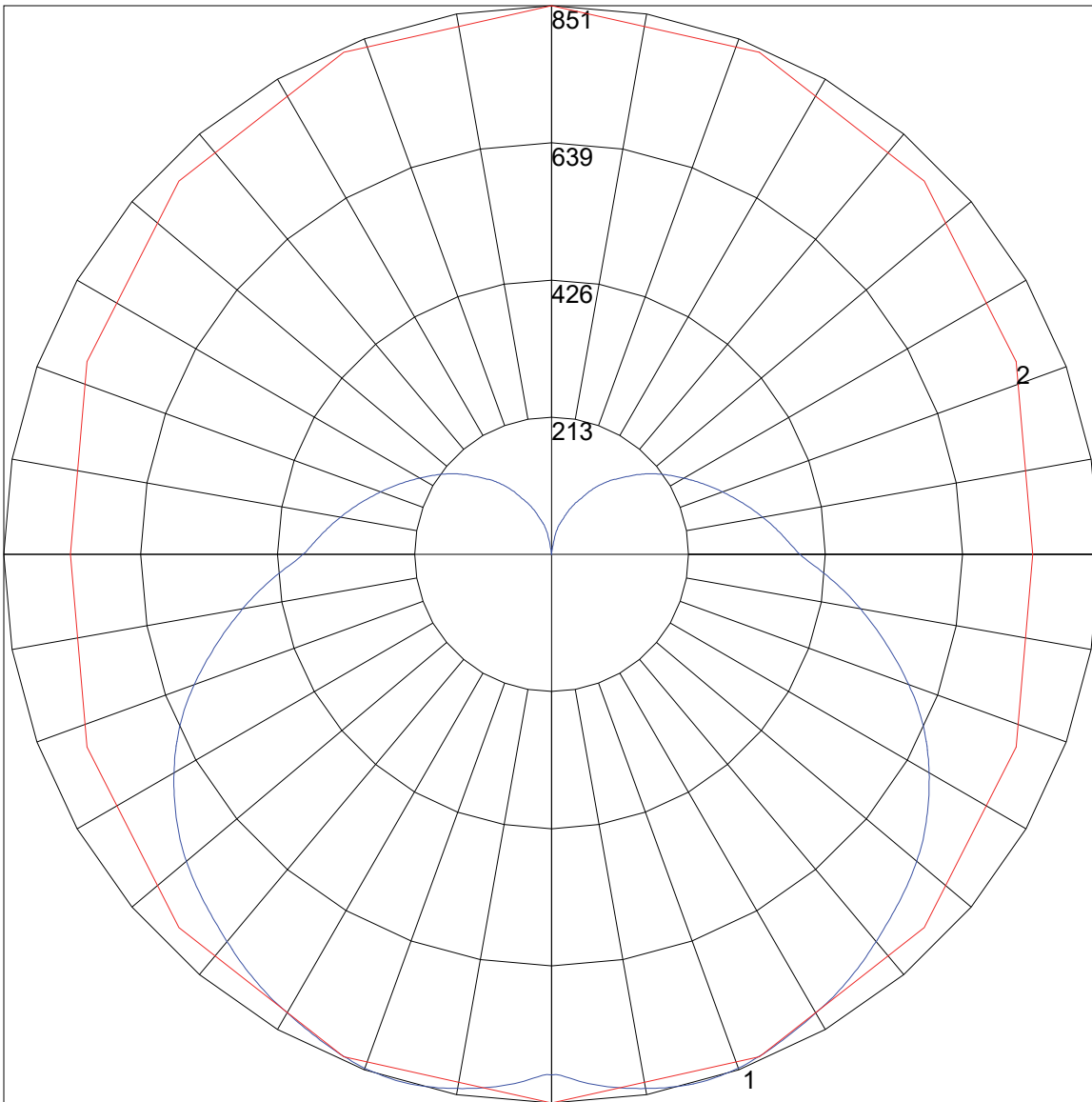
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB07-4-BS35-ND-H-A-SM-SN-AW-GEN2.IES

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 = 851.472 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.)