

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P583863

Luminaire Tested: **HCC8W15D010MB-HM80520830-81WWW**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583863  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8W15D010MB-HM80520830-81WWW  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

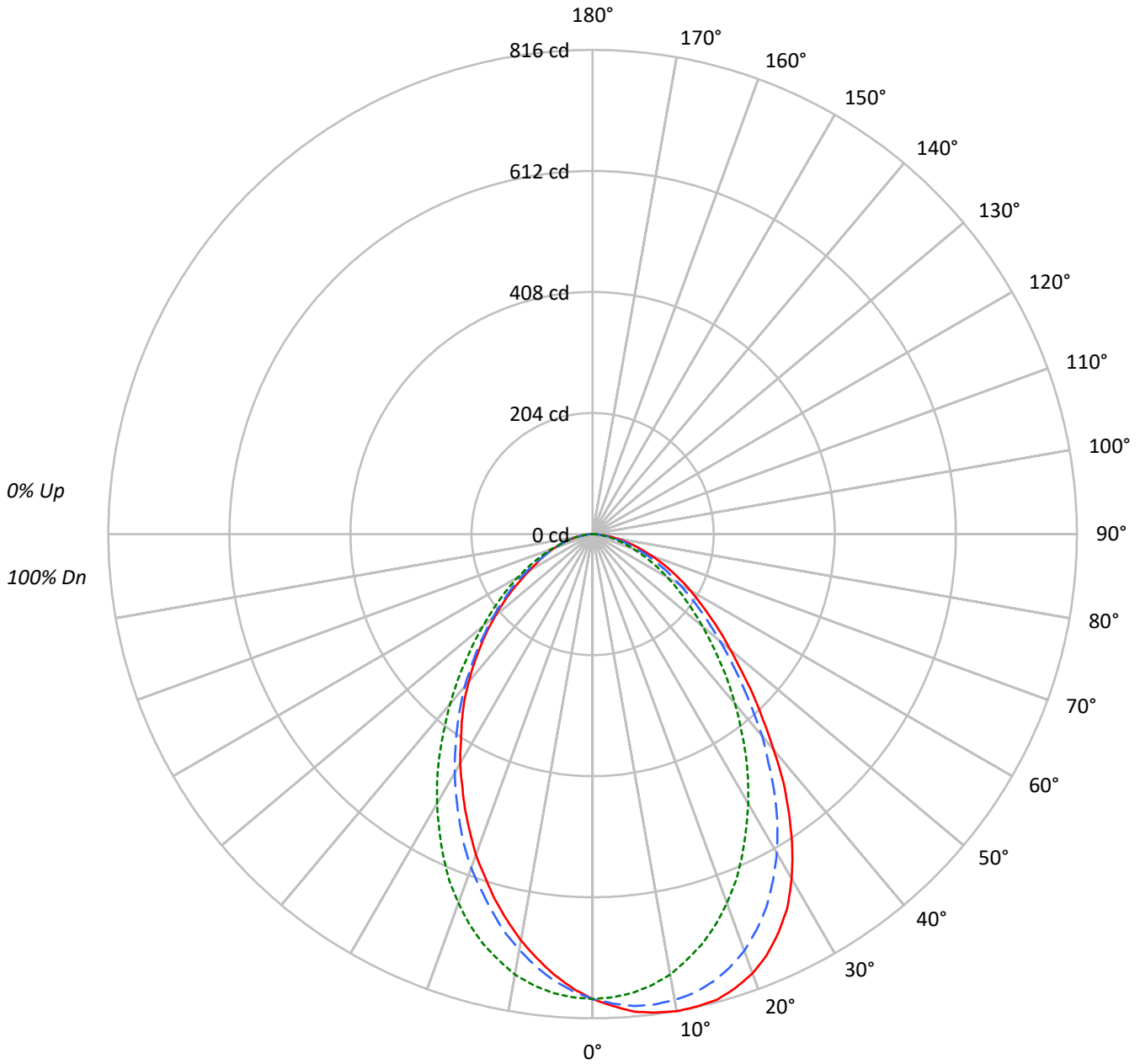
Lumens per Lamp: N/A  
Luminaire Lumens: 1446.0 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P583863  
CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583863

CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87		
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76		
3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66		
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	68	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	54	64	59	54	63	57	53	51		
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	41		
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38		
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34		
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	24160	24160	24160
5°	25011	24020	23067
10°	25566	23600	21771
15°	25929	22807	20329
20°	25849	21697	18872
25°	25212	20292	17325
30°	23885	18661	15898
35°	21732	16887	14448
40°	19088	15023	13054
45°	16641	13209	11635
50°	14488	11581	10247
55°	12919	10172	8914
60°	11736	8918	7604
65°	10551	7756	6902
70°	9395	6618	6221
75°	8221	5576	5326
80°	6979	4528	4724
85°	5272	3361	3750



TEST NUMBER: P583863  
 CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	5.1
10°-20°	202.2	14.0
20°-30°	280.7	19.4
30°-40°	290.2	20.1
40°-50°	243.0	16.8
50°-60°	176.4	12.2
60°-70°	111.3	7.7
70°-80°	55.1	3.8
80°-90°	13.7	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	556.3	38.5
0°-40°	846.5	58.5
0°-60°	1265.8	87.5
0°-90°	1446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	784	784	784	784	784	
5°	808	798	776	755	745	77
15°	812	781	714	657	637	229
25°	741	693	596	532	509	340
35°	577	535	449	398	384	359
45°	382	354	303	273	267	295
55°	240	219	189	173	166	217
65°	145	126	106	94	95	144
75°	69	57	47	45	45	74
85°	15	12	10	11	11	18
90°	0	0	0	0	0	



TEST NUMBER: P583863

CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5
2.5°	796.3	796.3	797.3	796.3	796.3	796.3	795.2	795.2	794.1	794.1	792.0
5°	808.0	805.8	808.0	805.8	805.8	805.8	804.7	802.7	801.6	799.4	798.4
7.5°	813.3	812.2	812.2	811.1	811.1	810.1	809.0	808.0	803.7	802.7	799.4
10°	816.5	815.4	815.4	814.3	812.2	812.2	810.1	809.0	803.7	801.6	797.3
12.5°	815.4	815.4	815.4	814.3	811.1	810.1	808.0	804.7	800.5	796.3	792.0
15°	812.2	812.2	810.1	809.0	805.8	803.7	802.7	797.3	793.0	787.7	781.3
17.5°	801.6	801.6	800.5	798.4	795.2	793.0	791.0	785.7	781.3	772.9	766.5
20°	787.7	786.7	785.7	782.4	779.3	778.2	774.9	767.6	762.3	755.9	747.3
22.5°	767.6	766.5	765.4	763.2	757.9	755.9	753.7	748.4	738.8	732.5	721.8
25°	741.0	741.0	738.8	735.7	730.4	728.2	725.0	719.7	711.2	701.7	693.1
27.5°	710.1	709.0	705.9	703.7	699.5	696.4	690.9	684.7	676.1	668.7	658.1
30°	670.8	670.8	668.7	665.5	660.2	658.1	653.8	646.4	637.8	628.3	620.8
32.5°	626.1	626.1	623.0	620.8	617.7	612.4	611.3	602.7	595.3	587.9	579.4
35°	577.3	578.3	576.2	571.9	566.6	566.6	564.5	557.1	548.5	541.2	534.8
37.5°	528.4	525.1	524.1	522.0	518.8	514.5	512.4	509.2	501.8	496.5	486.9
40°	474.2	475.3	473.1	470.9	469.8	466.7	465.6	460.3	455.0	448.6	444.4
42.5°	425.2	425.2	425.2	423.1	421.0	417.8	416.7	413.6	407.2	403.0	396.6
45°	381.6	378.5	378.5	377.4	376.3	374.2	371.0	368.9	364.6	361.5	354.0
47.5°	339.1	340.2	339.1	338.0	334.9	333.8	332.7	328.5	324.3	321.0	315.7
50°	302.0	304.0	302.0	302.0	299.8	298.7	296.6	293.4	290.2	284.9	279.6
52.5°	271.1	271.1	270.0	269.0	265.8	263.7	262.6	261.5	256.2	252.0	247.7
55°	240.3	241.4	241.4	238.1	237.0	235.0	233.9	230.6	228.6	222.2	218.9
57.5°	213.6	212.6	213.6	211.6	209.4	207.3	206.3	204.1	200.9	196.7	192.4
60°	190.3	188.2	188.2	187.1	185.0	183.9	181.8	178.6	175.4	171.1	168.0
62.5°	166.9	165.8	164.7	163.8	161.6	160.5	159.4	156.3	153.0	149.9	146.6
65°	144.6	144.6	143.5	141.3	140.4	139.3	138.2	136.0	131.8	129.7	126.5
67.5°	124.4	123.3	123.3	121.2	119.1	118.0	118.0	115.9	112.7	109.5	107.4
70°	104.2	105.2	104.2	103.1	101.0	101.0	98.8	97.8	93.5	92.5	89.3
72.5°	86.2	86.2	85.1	85.1	82.9	81.8	81.8	79.8	77.6	75.4	73.4
75°	69.0	69.0	69.0	68.1	67.0	64.8	64.8	63.7	61.7	59.5	57.4
77.5°	54.2	53.1	53.1	52.1	51.0	50.0	50.0	48.9	46.8	45.7	43.6
80°	39.3	38.3	38.3	38.3	36.2	37.2	36.2	35.1	34.0	32.9	31.9
82.5°	25.5	26.6	26.6	25.5	24.5	24.5	24.5	23.4	23.4	22.3	21.2
85°	14.9	14.9	14.9	14.9	13.9	13.9	13.9	12.8	12.8	12.8	11.7
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	5.3	5.3	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583863

CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5
2.5°	792.0	789.9	788.8	787.7	787.7	786.7	785.7	783.5	783.5	781.3	780.4
5°	796.3	793.0	791.0	788.8	787.7	785.7	783.5	780.4	779.3	776.0	772.9
7.5°	797.3	792.0	789.9	785.7	783.5	781.3	777.1	774.0	769.6	766.5	762.3
10°	793.0	788.8	783.5	778.2	777.1	774.0	767.6	763.2	757.9	753.7	747.3
12.5°	786.7	780.4	774.9	768.7	765.4	762.3	755.9	749.5	742.0	734.6	728.2
15°	776.0	768.7	761.2	753.7	749.5	746.3	738.8	731.4	724.0	714.4	708.1
17.5°	760.1	751.6	744.2	734.6	730.4	727.1	717.6	709.0	699.5	690.0	683.6
20°	739.9	729.3	720.8	710.1	707.0	701.7	692.0	682.5	671.9	661.2	653.8
22.5°	713.4	702.8	693.1	682.5	677.2	671.9	662.3	650.6	640.0	631.4	624.1
25°	682.5	673.0	661.2	651.7	645.3	638.9	628.3	618.8	609.1	596.4	589.0
27.5°	648.5	636.8	628.3	615.5	609.1	604.9	593.2	580.4	571.9	560.2	551.8
30°	610.2	599.6	590.0	577.3	570.9	566.6	556.0	544.3	535.7	524.1	515.6
32.5°	569.8	558.2	546.5	537.9	530.4	526.2	514.5	507.1	496.5	486.9	477.3
35°	526.2	514.5	506.0	494.3	490.1	485.9	476.2	466.7	457.2	448.6	441.2
37.5°	479.5	470.9	461.4	452.8	449.7	445.5	433.7	425.2	417.8	409.3	403.0
40°	433.7	426.3	419.9	411.4	406.1	403.0	394.4	386.9	378.5	373.2	366.8
42.5°	392.2	383.8	377.4	371.0	365.7	362.5	355.1	349.8	343.4	338.0	330.7
45°	348.7	344.4	337.0	331.7	328.5	324.3	319.0	312.6	307.3	302.9	297.6
47.5°	310.4	306.2	300.9	294.5	292.3	289.2	283.9	279.6	275.3	271.1	265.8
50°	275.3	270.0	265.8	261.5	259.4	256.2	250.9	248.7	245.6	241.4	238.1
52.5°	243.4	239.2	235.0	229.7	228.6	226.4	223.3	218.9	215.8	213.6	211.6
55°	214.7	210.5	207.3	203.0	202.0	199.9	195.6	193.5	191.4	189.2	187.1
57.5°	189.2	185.0	180.8	178.6	176.5	174.4	173.3	170.1	168.0	166.9	164.7
60°	165.8	161.6	158.5	155.2	154.1	153.0	151.0	148.8	146.6	144.6	143.5
62.5°	143.5	139.3	137.1	135.0	132.9	132.9	130.7	128.6	126.5	125.4	123.3
65°	123.3	121.2	118.0	114.8	113.8	113.8	110.6	109.5	108.4	106.3	104.2
67.5°	104.2	102.1	98.8	97.8	96.8	95.7	94.6	92.5	90.4	89.3	87.1
70°	87.1	85.1	82.9	81.8	80.7	79.8	77.6	76.5	74.5	73.4	72.3
72.5°	70.1	69.0	67.0	65.9	64.8	63.7	62.8	61.7	59.5	58.4	57.4
75°	56.4	55.3	53.1	52.1	51.0	51.0	50.0	47.8	46.8	46.8	45.7
77.5°	42.5	41.5	40.4	39.3	38.3	38.3	37.2	36.2	35.1	35.1	34.0
80°	30.8	29.8	28.7	28.7	28.7	27.6	26.6	26.6	25.5	25.5	24.5
82.5°	20.2	20.2	19.2	19.2	19.2	18.1	18.1	17.0	17.0	17.0	17.0
85°	11.7	11.7	11.7	10.6	10.6	10.6	10.6	10.6	10.6	9.5	10.6
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583863

CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5
2.5°	779.3	778.2	776.0	776.0	774.0	774.0	772.9	771.8	770.7	769.6	768.7
5°	771.8	767.6	765.4	764.3	762.3	761.2	757.9	755.9	754.8	752.6	750.6
7.5°	757.9	753.7	749.5	748.4	747.3	743.1	739.9	736.7	734.6	732.5	730.4
10°	742.0	737.8	732.5	730.4	728.2	722.9	718.7	715.4	711.2	707.0	705.9
12.5°	722.9	716.5	710.1	708.1	704.8	699.5	695.3	690.0	686.7	681.4	680.3
15°	700.6	693.1	687.8	682.5	680.3	675.0	667.6	663.4	657.0	654.9	649.5
17.5°	674.0	666.6	659.1	657.0	653.8	646.4	638.9	633.6	627.2	624.1	620.8
20°	646.4	636.8	629.4	627.2	623.0	616.6	609.1	603.8	598.5	592.1	589.0
22.5°	614.4	603.8	597.4	592.1	591.1	583.6	575.1	570.9	566.6	561.3	557.1
25°	579.4	569.8	562.4	558.2	556.0	549.6	543.2	537.9	531.5	528.4	523.1
27.5°	543.2	536.8	527.3	523.1	519.8	514.5	507.1	503.9	497.5	493.3	490.1
30°	508.1	498.6	493.3	487.9	484.8	479.5	473.1	469.8	464.5	460.3	457.2
32.5°	469.8	463.6	456.1	453.9	449.7	444.4	440.1	434.8	430.5	426.3	425.2
35°	434.8	426.3	418.9	416.7	413.6	408.3	406.1	403.0	397.7	396.6	392.2
37.5°	396.6	392.2	383.8	380.5	379.6	375.2	371.0	368.9	365.7	362.5	361.5
40°	360.4	355.1	350.8	347.6	345.5	342.3	338.0	337.0	334.9	330.7	329.6
42.5°	326.3	321.0	316.8	315.7	312.6	309.3	307.3	304.0	302.9	302.0	299.8
45°	293.4	290.2	285.9	284.9	283.9	279.6	277.5	275.3	273.2	272.2	270.0
47.5°	263.7	260.4	257.3	256.2	254.1	253.0	249.8	248.7	245.6	244.5	243.4
50°	235.0	232.8	230.6	229.7	227.5	226.4	224.4	222.2	220.0	218.9	218.0
52.5°	209.4	207.3	205.2	204.1	203.0	200.9	198.8	196.7	195.6	194.5	193.5
55°	185.0	182.8	181.8	180.8	179.7	178.6	175.4	174.4	173.3	172.2	170.1
57.5°	162.7	160.5	158.5	158.5	157.4	156.3	154.1	152.1	152.1	149.9	147.7
60°	142.4	140.4	138.2	137.1	136.0	134.0	132.9	131.8	130.7	129.7	127.6
62.5°	121.2	120.1	118.0	118.0	115.9	114.8	113.8	112.7	111.6	109.5	108.4
65°	103.1	102.1	99.9	98.8	98.8	97.8	95.7	94.6	93.5	93.5	92.5
67.5°	86.2	85.1	82.9	81.8	81.8	80.7	79.8	79.8	78.7	77.6	78.7
70°	71.2	69.0	69.0	68.1	68.1	67.0	65.9	65.9	65.9	67.0	67.0
72.5°	56.4	55.3	54.2	54.2	54.2	54.2	53.1	53.1	54.2	55.3	55.3
75°	44.7	43.6	43.6	43.6	42.5	42.5	43.6	43.6	44.7	44.7	44.7
77.5°	32.9	32.9	32.9	32.9	32.9	32.9	34.0	34.0	35.1	35.1	35.1
80°	24.5	24.5	24.5	24.5	24.5	25.5	25.5	25.5	25.5	25.5	26.6
82.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	18.1	18.1	18.1	18.1
85°	9.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583863

CATALOG NUMBER: HCC8W15D010MB-HM80520830-81WWW

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	783.5	783.5	783.5	783.5	783.5	783.5	783.5	783.5
2.5°	767.6	767.6	767.6	768.7	766.5	766.5	766.5	766.5
5°	749.5	748.4	747.3	748.4	746.3	746.3	745.2	745.2
7.5°	727.1	726.1	725.0	725.0	722.9	722.9	721.8	720.8
10°	702.8	700.6	701.7	699.5	698.4	697.3	696.4	695.3
12.5°	676.1	674.0	673.0	670.8	668.7	667.6	668.7	666.6
15°	647.4	644.2	643.1	641.1	638.9	637.8	637.8	636.8
17.5°	615.5	613.3	612.4	610.2	609.1	607.1	606.0	604.9
20°	585.8	580.4	581.5	579.4	578.3	574.1	574.1	575.1
22.5°	552.9	549.6	547.4	545.4	544.3	542.1	542.1	541.2
25°	519.8	516.7	515.6	513.5	512.4	510.3	509.2	509.2
27.5°	487.9	483.7	483.7	481.6	479.5	478.4	477.3	476.2
30°	453.9	450.8	449.7	449.7	448.6	448.6	445.5	446.5
32.5°	422.0	419.9	418.9	416.7	416.7	415.7	415.7	412.5
35°	390.2	386.9	388.0	385.8	384.9	383.8	384.9	383.8
37.5°	359.3	357.2	357.2	355.1	355.1	354.0	352.9	355.1
40°	328.5	327.4	326.3	325.4	326.3	325.4	323.2	324.3
42.5°	297.6	297.6	296.6	296.6	295.6	295.6	295.6	295.6
45°	270.0	269.0	269.0	267.9	267.9	267.9	267.9	266.8
47.5°	242.3	241.4	241.4	241.4	240.3	240.3	239.2	240.3
50°	215.8	215.8	214.7	214.7	215.8	214.7	213.6	213.6
52.5°	191.4	191.4	190.3	190.3	189.2	188.2	189.2	189.2
55°	169.1	168.0	166.9	166.9	165.8	164.7	164.7	165.8
57.5°	147.7	146.6	145.7	145.7	143.5	142.4	142.4	142.4
60°	127.6	125.4	125.4	124.4	124.4	123.3	123.3	123.3
62.5°	108.4	107.4	107.4	107.4	107.4	106.3	106.3	106.3
65°	92.5	92.5	92.5	93.5	93.5	94.6	94.6	94.6
67.5°	79.8	80.7	80.7	80.7	81.8	81.8	81.8	80.7
70°	68.1	68.1	68.1	69.0	69.0	69.0	69.0	69.0
72.5°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
75°	44.7	45.7	45.7	45.7	44.7	45.7	45.7	44.7
77.5°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
80°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
82.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
85°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°    - - 45°-225°    - - - - 90°-270°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)