

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: P584181

Luminaire Tested: **HCC8S25D010SL-HM82555927-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S25D010SL-HM82555927-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

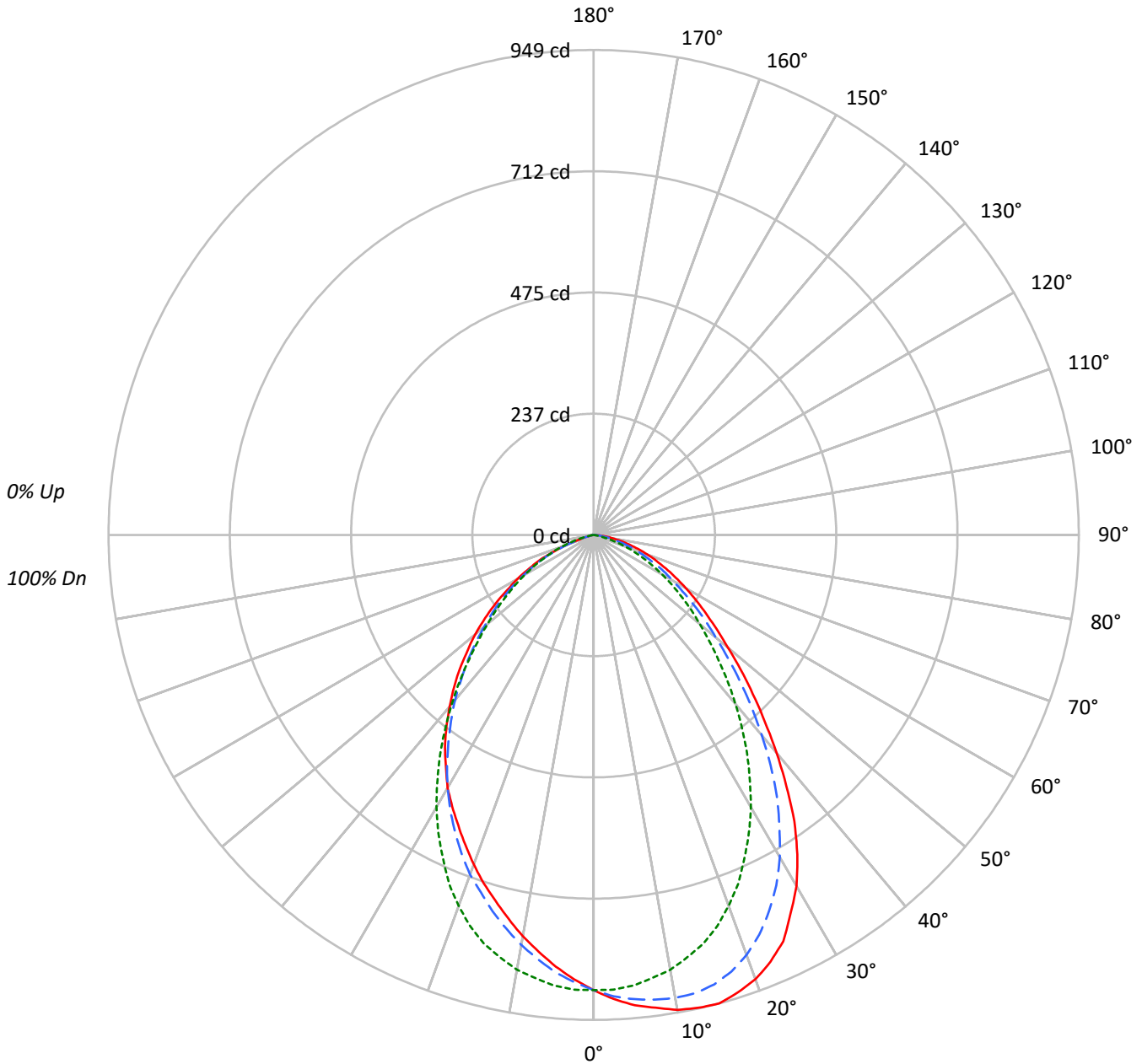
Lumens per Lamp: N/A
Luminaire Lumens: 1658.9 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P584181
CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P584181

CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	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					100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77					77			
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	58	53	49	47					47			
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43					43			
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39					39			
9	62	50	43	37	61	50	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	47	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	27466	27466	27466
5°	28598	27404	26249
10°	29552	27054	24971
15°	30302	26436	23672
20°	30361	25337	22501
25°	29849	23735	21333
30°	28250	21898	20339
35°	25760	19695	19093
40°	22401	17362	17631
45°	19214	15036	16140
50°	16416	12967	14497
55°	14387	11166	12596
60°	12809	9522	10589
65°	11368	7771	8449
70°	10080	5761	4805
75°	8400	3014	1430
80°	6606	959	231
85°	4706	460	0



TEST NUMBER: P584181

CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	5.1
10°-20°	235.2	14.2
20°-30°	332.9	20.1
30°-40°	348.3	21.0
40°-50°	290.5	17.5
50°-60°	206.0	12.4
60°-70°	118.6	7.2
70°-80°	38.2	2.3
80°-90°	5.3	0.3
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°	652.1	39.3
0°-40°	1000.4	60.3
0°-60°	1496.9	90.2
0°-90°	1658.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1658.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	891	891	891	891	891	
5°	924	912	885	859	848	89
15°	949	911	828	763	742	267
25°	877	812	698	642	627	400
35°	684	624	523	495	507	424
45°	441	405	345	349	370	341
55°	268	240	208	218	234	242
65°	156	130	106	106	116	156
75°	70	52	25	12	12	76
85°	13	7	1	0	0	17
90°	0	0	0	0	0	

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



TEST NUMBER: P584181

CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7
2.5°	909.3	907.9	906.6	907.9	906.6	907.9	906.6	906.6	905.2	903.9	903.9
5°	923.9	922.6	922.6	922.6	921.3	919.9	919.9	918.6	915.9	914.6	912.0
7.5°	933.3	934.5	934.5	934.5	931.9	931.9	929.2	926.6	923.9	921.3	917.2
10°	943.8	943.8	942.6	941.2	938.6	937.2	935.9	933.3	929.2	923.9	919.9
12.5°	947.9	947.9	946.5	943.8	942.6	941.2	939.9	935.9	930.6	923.9	918.6
15°	949.2	946.5	945.2	943.8	941.2	937.2	937.2	931.9	925.2	917.2	910.6
17.5°	938.6	939.9	937.2	934.5	930.6	927.9	923.9	919.9	912.0	902.7	895.9
20°	925.2	923.9	922.6	918.6	913.2	912.0	907.9	901.3	894.6	883.9	874.6
22.5°	903.9	902.7	900.0	897.3	892.0	889.3	885.3	877.3	868.0	857.4	846.7
25°	877.3	874.6	870.7	865.3	861.4	858.7	853.3	845.4	834.7	822.7	812.1
27.5°	834.7	838.7	836.0	828.1	824.1	818.8	817.4	806.8	797.5	785.5	773.5
30°	793.4	793.4	789.4	785.5	778.7	774.8	769.4	761.5	752.2	737.6	728.2
32.5°	741.5	740.2	734.9	733.5	728.2	720.2	718.9	708.2	698.9	688.2	676.2
35°	684.3	681.6	676.2	672.3	669.6	665.6	661.7	652.4	643.0	632.4	624.3
37.5°	619.0	619.0	617.7	611.1	608.4	605.7	601.8	592.5	587.1	576.4	568.5
40°	556.5	555.1	551.2	549.8	547.2	543.1	540.5	535.2	527.2	519.2	511.2
42.5°	495.2	496.6	491.2	492.5	487.3	484.6	483.2	475.3	471.2	463.3	456.7
45°	440.6	439.3	436.7	435.3	432.7	430.0	427.4	423.4	416.7	408.7	404.7
47.5°	390.0	386.1	386.1	384.8	383.4	378.0	376.7	372.8	368.7	360.8	355.5
50°	342.2	342.2	342.2	340.8	336.8	335.4	332.8	328.8	324.9	319.5	311.5
52.5°	303.6	303.6	303.6	302.2	296.9	295.5	294.2	288.9	283.6	279.6	274.2
55°	267.6	268.9	267.6	264.9	261.0	261.0	256.9	254.2	249.0	244.9	239.7
57.5°	237.0	237.0	234.3	232.9	230.3	229.0	226.3	223.6	217.0	213.0	206.3
60°	207.7	206.3	206.3	203.7	201.1	198.4	197.0	193.0	190.4	183.7	178.4
62.5°	181.0	181.0	178.4	178.4	173.0	173.0	171.7	167.8	163.7	157.1	154.4
65°	155.8	155.8	154.4	153.1	149.1	147.8	146.5	142.4	138.5	134.5	130.4
67.5°	133.1	133.1	130.4	129.1	126.5	125.2	122.5	119.8	115.8	111.8	107.9
70°	111.8	110.5	109.1	107.9	105.2	103.8	101.2	98.5	94.5	91.8	87.8
72.5°	90.5	90.5	89.2	86.6	85.2	83.9	82.5	79.9	75.9	71.9	69.2
75°	70.5	70.5	70.5	67.9	65.3	63.9	63.9	61.2	58.5	54.6	51.9
77.5°	54.6	53.3	51.9	51.9	49.2	47.9	46.5	45.3	41.3	39.9	37.2
80°	37.2	38.6	37.2	36.0	34.6	33.3	33.3	30.6	29.3	26.6	24.0
82.5°	25.3	24.0	24.0	22.7	22.7	21.3	21.3	18.6	17.3	15.9	14.7
85°	13.3	13.3	12.0	12.0	12.0	10.7	10.7	9.3	9.3	8.0	6.6
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.7	2.7	2.7
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: P584181

CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7
2.5°	902.7	900.0	898.6	898.6	897.3	895.9	894.6	893.2	890.7	890.7	888.0
5°	909.3	906.6	905.2	901.3	898.6	898.6	893.2	892.0	888.0	885.3	882.6
7.5°	914.6	909.3	905.2	901.3	898.6	895.9	890.7	885.3	880.0	874.6	871.9
10°	914.6	909.3	902.7	895.9	893.2	890.7	883.9	876.0	869.4	864.0	857.4
12.5°	912.0	903.9	895.9	890.7	885.3	881.4	873.3	865.3	857.4	846.7	841.3
15°	903.9	893.2	885.3	876.0	871.9	865.3	858.7	846.7	837.4	828.1	821.4
17.5°	888.0	874.6	865.3	856.0	849.4	845.4	834.7	824.1	813.4	802.7	794.8
20°	864.0	852.0	841.3	829.4	824.1	818.8	805.4	794.8	784.1	772.1	764.2
22.5°	834.7	822.7	808.1	798.8	790.7	784.1	772.1	760.1	749.5	738.8	728.2
25°	798.8	786.8	773.5	758.8	753.5	746.9	733.5	721.5	709.6	697.6	688.2
27.5°	760.1	744.2	733.5	717.5	712.2	705.6	690.9	677.6	666.9	657.6	647.0
30°	713.6	701.6	686.9	672.3	666.9	660.3	648.3	636.3	625.7	615.0	604.4
32.5°	663.0	651.0	636.3	625.7	617.7	612.4	600.4	589.8	579.1	568.5	559.2
35°	609.7	596.4	585.7	575.1	568.5	561.8	549.8	540.5	532.5	523.2	513.9
37.5°	555.1	545.8	535.2	523.2	516.5	511.2	501.9	491.2	484.6	476.6	469.9
40°	501.9	491.2	481.9	471.2	466.0	461.9	452.6	444.7	438.0	431.3	427.4
42.5°	447.3	438.0	428.6	422.0	418.0	414.0	407.3	398.0	394.1	387.4	383.4
45°	396.8	388.7	382.1	372.8	370.1	367.4	359.4	352.8	348.8	344.8	342.2
47.5°	348.8	343.5	335.4	330.2	326.1	323.5	318.2	312.9	308.9	306.2	303.6
50°	307.5	300.9	295.5	290.2	287.5	283.6	278.2	275.5	273.0	270.3	270.3
52.5°	268.9	262.3	256.9	252.9	250.3	247.6	243.6	242.2	239.7	239.7	238.3
55°	232.9	229.0	223.6	218.3	217.0	215.7	213.0	210.4	209.0	207.7	209.0
57.5°	202.3	198.4	193.0	189.1	187.7	186.4	185.0	182.4	181.0	181.0	181.0
60°	174.4	170.5	166.4	162.4	162.4	159.8	158.5	157.1	155.8	154.4	154.4
62.5°	149.1	145.1	141.1	138.5	137.2	135.8	133.1	131.8	130.4	130.4	129.1
65°	126.5	121.1	119.8	115.8	114.5	113.2	111.8	109.1	107.9	106.5	105.2
67.5°	103.8	101.2	97.2	94.5	93.2	91.8	90.5	87.8	86.6	85.2	82.5
70°	83.9	81.2	78.5	75.9	74.6	73.2	70.5	67.9	66.6	63.9	59.9
72.5°	65.3	62.6	59.9	57.2	56.0	54.6	51.9	49.2	46.5	44.0	41.3
75°	49.2	46.5	42.6	39.9	38.6	38.6	34.6	32.0	29.3	25.3	22.7
77.5°	34.6	30.6	29.3	26.6	25.3	22.7	20.0	17.3	14.7	13.3	10.7
80°	22.7	20.0	17.3	15.9	14.7	13.3	12.0	9.3	6.6	5.4	4.0
82.5°	13.3	12.0	10.7	9.3	8.0	6.6	5.4	5.4	4.0	2.7	1.3
85°	6.6	5.4	4.0	4.0	2.7	2.7	2.7	1.3	1.3	1.3	1.3
87.5°	2.7	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
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: P584181

CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7
2.5°	886.6	885.3	883.9	882.6	882.6	880.0	880.0	878.7	876.0	874.6	874.6
5°	878.7	874.6	871.9	870.7	869.4	865.3	864.0	861.4	858.7	856.0	854.7
7.5°	866.7	860.0	857.4	856.0	852.0	848.0	845.4	841.3	837.4	833.4	832.0
10°	852.0	845.4	838.7	836.0	832.0	829.4	824.1	818.8	814.7	810.7	806.8
12.5°	833.4	825.4	818.8	816.1	812.1	806.8	798.8	796.1	789.4	786.8	781.4
15°	812.1	802.7	796.1	792.1	788.2	780.1	774.8	769.4	762.8	760.1	754.9
17.5°	785.5	774.8	768.2	764.2	761.5	754.9	746.9	740.2	733.5	730.9	726.9
20°	753.5	746.9	737.6	733.5	730.9	722.9	714.9	712.2	706.9	701.6	697.6
22.5°	717.5	710.9	701.6	697.6	696.2	689.6	683.0	678.9	675.0	671.0	666.9
25°	680.3	672.3	664.3	661.7	659.0	653.7	648.3	645.6	641.7	639.0	636.3
27.5°	640.4	632.4	625.7	621.7	619.0	615.0	612.4	609.7	607.0	604.4	603.1
30°	597.7	589.8	584.4	581.8	579.1	577.8	573.7	572.4	571.2	568.5	569.8
32.5°	555.1	548.5	543.1	539.2	539.2	536.5	535.2	535.2	533.8	533.8	533.8
35°	508.6	504.5	500.5	499.3	497.9	496.6	495.2	496.6	495.2	496.6	497.9
37.5°	466.0	461.9	459.2	458.0	456.7	458.0	456.7	456.7	458.0	460.6	461.9
40°	422.0	419.3	416.7	418.0	416.7	416.7	416.7	420.7	422.0	423.4	424.7
42.5°	380.7	378.0	376.7	376.7	378.0	376.7	379.4	380.7	383.4	387.4	390.0
45°	340.8	339.5	339.5	340.8	339.5	342.2	342.2	344.8	348.8	351.5	354.2
47.5°	303.6	303.6	303.6	304.8	304.8	306.2	308.9	310.2	312.9	315.5	318.2
50°	268.9	270.3	271.6	271.6	271.6	274.2	276.9	278.2	279.6	280.9	284.9
52.5°	238.3	239.7	239.7	241.0	242.2	243.6	244.9	247.6	249.0	251.7	252.9
55°	209.0	209.0	211.6	213.0	213.0	213.0	215.7	215.7	218.3	219.7	222.3
57.5°	181.0	182.4	182.4	183.7	183.7	185.0	186.4	187.7	189.1	190.4	191.7
60°	154.4	154.4	154.4	155.8	157.1	158.5	157.1	159.8	159.8	162.4	163.7
62.5°	129.1	130.4	130.4	130.4	130.4	130.4	130.4	131.8	133.1	134.5	135.8
65°	105.2	105.2	105.2	103.8	105.2	103.8	105.2	106.5	106.5	107.9	109.1
67.5°	81.2	81.2	78.5	78.5	79.9	79.9	79.9	79.9	78.5	81.2	81.2
70°	58.5	57.2	56.0	54.6	54.6	53.3	53.3	51.9	51.9	51.9	51.9
72.5°	38.6	36.0	33.3	32.0	30.6	30.6	27.9	26.6	27.9	27.9	27.9
75°	20.0	17.3	15.9	14.7	13.3	13.3	12.0	12.0	12.0	12.0	12.0
77.5°	8.0	6.6	5.4	5.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.7	2.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	0.0	0.0	1.3	0.0	1.3	1.3	1.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P584181

CATALOG NUMBER: HCC8S25D010SL-HM82555927-81WWBB

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7
2.5°	873.3	873.3	871.9	873.3	870.7	871.9	870.7	870.7
5°	853.3	850.6	850.6	850.6	849.4	849.4	848.0	848.0
7.5°	829.4	828.1	826.7	825.4	824.1	822.7	822.7	822.7
10°	805.4	802.7	802.7	801.4	798.8	797.5	797.5	797.5
12.5°	777.5	776.2	774.8	774.8	769.4	770.8	769.4	769.4
15°	750.8	749.5	749.5	745.5	742.9	742.9	742.9	741.5
17.5°	722.9	721.5	720.2	717.5	714.9	714.9	713.6	714.9
20°	693.6	692.3	689.6	689.6	688.2	686.9	684.3	685.7
22.5°	664.3	661.7	660.3	660.3	659.0	659.0	656.3	656.3
25°	633.7	632.4	631.0	632.4	629.7	629.7	627.0	627.0
27.5°	601.8	600.4	600.4	600.4	599.1	600.4	599.1	599.1
30°	569.8	569.8	568.5	568.5	569.8	568.5	569.8	571.2
32.5°	535.2	535.2	536.5	536.5	537.9	537.9	537.9	537.9
35°	499.3	501.9	501.9	503.2	504.5	505.9	505.9	507.2
37.5°	466.0	467.3	468.7	469.9	472.6	472.6	472.6	472.6
40°	430.0	431.3	434.0	432.7	438.0	439.3	438.0	438.0
42.5°	392.7	395.4	396.8	399.4	400.7	403.4	404.7	404.7
45°	358.1	359.4	362.1	364.8	366.2	370.1	370.1	370.1
47.5°	322.2	324.9	326.1	328.8	330.2	334.2	335.4	334.2
50°	287.5	290.2	292.9	292.9	296.9	298.2	300.9	302.2
52.5°	254.2	255.6	258.3	259.6	262.3	264.9	266.2	267.6
55°	222.3	223.6	226.3	226.3	230.3	231.7	234.3	234.3
57.5°	193.0	194.4	197.0	195.7	198.4	201.1	201.1	199.7
60°	165.1	165.1	165.1	167.8	169.1	170.5	171.7	171.7
62.5°	135.8	138.5	139.7	139.7	141.1	142.4	142.4	141.1
65°	109.1	111.8	113.2	113.2	114.5	114.5	114.5	115.8
67.5°	82.5	82.5	82.5	83.9	82.5	82.5	82.5	82.5
70°	51.9	51.9	51.9	51.9	50.6	51.9	51.9	53.3
72.5°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
75°	12.0	12.0	12.0	13.3	12.0	12.0	12.0	12.0
77.5°	5.4	4.0	5.4	5.4	4.0	4.0	4.0	4.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)