

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO COMMERCIAL

Report Number: P775744

Luminaire Tested: HCDJBL510CSD-HCD62TRC-1000lm-5000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B055-HCD62TRC)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL510CSD-HCD62TRC-1000lm-5000K
Description: 6 INCH ROUND NARROW SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

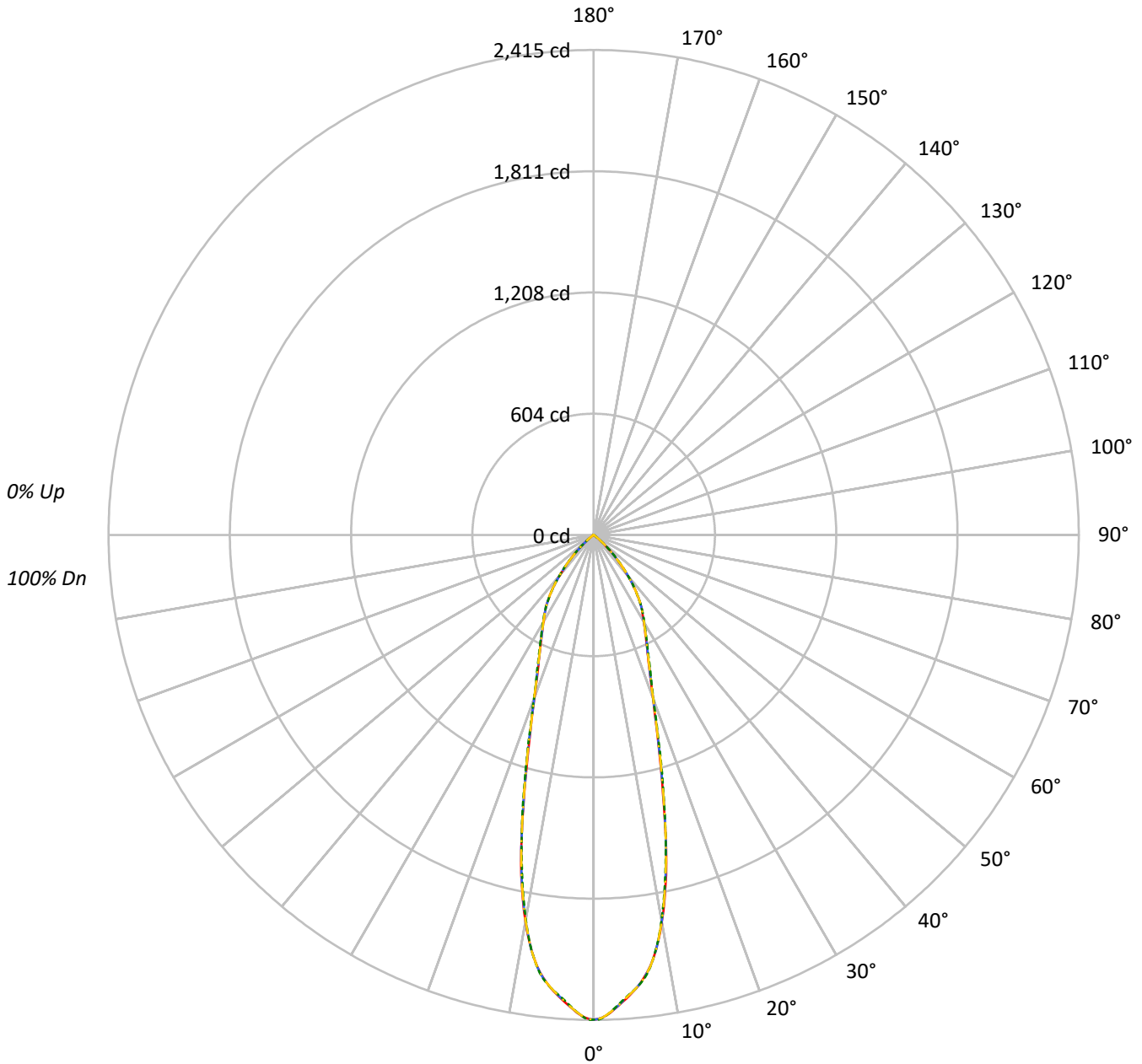
Lumens per Lamp: N/A
Luminaire Lumens: 1235.7 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.54 / 0.57
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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: 24 FT



TEST NUMBER: P775744
CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	100	100	100	100		
	1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94	94		
	2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	88	88	88	88	88		
	3	103	97	92	89	101	96	91	88	93	90	87	91	88	85	89	86	84	82	82	82	82	82	82		
	4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77	77	77	77	77	77		
	5	94	86	80	76	92	85	80	76	83	79	75	81	78	74	80	77	74	72	72	72	72	72	72		
	6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68	68	68		
	7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64	64	64	64	64	64		
	8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61	61	61	61	61	61		
	9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57	57	57	57	57	57		
	10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55	55	55	55	55	55		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	132341	132341	132341	132341
5°	125522	125379	125522	125379
10°	108866	108248	108866	108248
15°	75727	76612	75727	76612
20°	50253	50789	50253	50789
25°	38198	38742	38198	38742
30°	31587	31967	31587	31967
35°	26435	26455	26435	26455
40°	18828	19122	18828	19122
45°	10559	11079	10559	11079
50°	3591	4273	3591	4273
55°	258	554	258	554
60°	44	44	44	44
65°	26	26	26	26
70°	16	16	16	16
75°	21	21	21	21
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11079 cd/sqm



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	16.8
10°-20°	370.5	30.0
20°-30°	295.8	23.9
30°-40°	242.2	19.6
40°-50°	109.4	8.9
50°-60°	9.4	0.8
60°-70°	0.2	0.0
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	874.5	70.8
0°-40°	1116.7	90.4
0°-60°	1235.4	100.0
0°-90°	1235.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1235.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2414	2414	2414	2414	2414	
5°	2281	2278	2281	2278	2281	208
15°	1334	1350	1334	1350	1334	370
25°	632	640	632	640	632	294
35°	395	395	395	395	395	242
45°	136	143	136	143	136	107
55°	3	6	3	6	3	8
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1
0.5°	2411.2	2411.2	2411.2	2411.6	2415.4	2411.6	2411.2	2411.2	2411.2	2411.2	2411.2
1°	2404.8	2404.8	2404.5	2404.6	2407.1	2404.6	2404.5	2404.8	2404.8	2404.8	2404.5
1.5°	2394.4	2394.2	2393.4	2392.9	2394.5	2392.9	2393.4	2394.2	2394.4	2394.2	2393.4
2°	2381.1	2380.5	2379.3	2378.0	2378.3	2378.0	2379.3	2380.5	2381.1	2380.5	2379.3
2.5°	2365.3	2364.9	2363.2	2361.1	2360.4	2361.1	2363.2	2364.9	2365.3	2364.9	2363.2
3°	2348.7	2348.2	2346.3	2343.4	2342.2	2343.4	2346.3	2348.2	2348.7	2348.2	2346.3
3.5°	2332.1	2331.3	2329.1	2326.2	2324.7	2326.2	2329.1	2331.3	2332.1	2331.3	2329.1
4°	2315.5	2314.4	2312.2	2310.0	2308.5	2310.0	2312.2	2314.4	2315.5	2314.4	2312.2
4.5°	2298.5	2297.4	2295.8	2294.3	2293.2	2294.3	2295.8	2297.4	2298.5	2297.4	2295.8
5°	2281.0	2280.3	2279.3	2278.7	2278.4	2278.7	2279.3	2280.3	2281.0	2280.3	2279.3
5.5°	2262.1	2261.7	2261.7	2262.1	2263.0	2262.1	2261.7	2261.7	2262.1	2261.7	2261.7
6°	2241.6	2241.6	2242.3	2244.0	2245.0	2244.0	2242.3	2241.6	2241.6	2241.6	2242.3
6.5°	2218.8	2219.4	2220.6	2222.5	2223.7	2222.5	2220.6	2219.4	2218.8	2219.4	2220.6
7°	2192.9	2194.0	2195.2	2197.1	2198.6	2197.1	2195.2	2194.0	2192.9	2194.0	2195.2
7.5°	2163.6	2164.0	2165.5	2166.9	2167.7	2166.9	2165.5	2164.0	2163.6	2164.0	2165.5
8°	2130.1	2130.3	2131.2	2132.0	2132.4	2132.0	2131.2	2130.3	2130.1	2130.3	2131.2
8.5°	2091.8	2091.8	2091.9	2091.7	2091.0	2091.7	2091.9	2091.8	2091.8	2091.8	2091.9
9°	2049.9	2049.8	2048.8	2047.4	2046.7	2047.4	2048.8	2049.8	2049.9	2049.8	2048.8
9.5°	2004.3	2003.9	2001.5	1999.4	1997.7	1999.4	2001.5	2003.9	2004.3	2003.9	2001.5
10°	1955.7	1954.7	1951.2	1947.2	1944.6	1947.2	1951.2	1954.7	1955.7	1954.7	1951.2
10.5°	1904.1	1901.9	1898.0	1893.2	1889.3	1893.2	1898.0	1901.9	1904.1	1901.9	1898.0
11°	1849.0	1847.1	1842.0	1838.0	1834.5	1838.0	1842.0	1847.1	1849.0	1847.1	1842.0
11.5°	1791.8	1790.1	1785.8	1780.0	1777.2	1780.0	1785.8	1790.1	1791.8	1790.1	1785.8
12°	1732.7	1731.3	1725.9	1720.6	1717.0	1720.6	1725.9	1731.3	1732.7	1731.3	1725.9
12.5°	1670.5	1668.1	1663.9	1658.8	1655.6	1658.8	1663.9	1668.1	1670.5	1668.1	1663.9
13°	1605.4	1604.3	1600.3	1597.3	1595.4	1597.3	1600.3	1604.3	1605.4	1604.3	1600.3
13.5°	1535.7	1536.6	1535.6	1534.5	1533.6	1534.5	1535.6	1536.6	1535.7	1536.6	1535.6
14°	1466.8	1468.3	1469.5	1471.0	1472.1	1471.0	1469.5	1468.3	1466.8	1468.3	1469.5
14.5°	1398.6	1400.9	1404.9	1408.7	1411.5	1408.7	1404.9	1400.9	1398.6	1400.9	1404.9
15°	1334.3	1336.2	1341.5	1346.5	1349.9	1346.5	1341.5	1336.2	1334.3	1336.2	1341.5
15.5°	1273.5	1276.0	1280.7	1286.3	1290.4	1286.3	1280.7	1276.0	1273.5	1276.0	1280.7
16°	1217.1	1218.7	1222.8	1229.4	1234.2	1229.4	1222.8	1218.7	1217.1	1218.7	1222.8
16.5°	1163.0	1164.3	1169.3	1175.3	1179.8	1175.3	1169.3	1164.3	1163.0	1164.3	1169.3
17°	1111.3	1112.7	1117.1	1123.1	1127.9	1123.1	1117.1	1112.7	1111.3	1112.7	1117.1
17.5°	1062.2	1063.6	1068.0	1072.9	1077.2	1072.9	1068.0	1063.6	1062.2	1063.6	1068.0
18°	1016.5	1017.7	1020.6	1025.3	1029.6	1025.3	1020.6	1017.7	1016.5	1017.7	1020.6
18.5°	973.6	973.9	976.9	982.7	984.0	982.7	976.9	973.9	973.6	973.9	976.9
19°	932.4	933.3	937.7	943.1	943.3	943.1	937.7	933.3	932.4	933.3	937.7
19.5°	894.4	896.7	900.7	905.4	905.8	905.4	900.7	896.7	894.4	896.7	900.7
20°	861.4	862.0	865.3	870.1	870.6	870.1	865.3	862.0	861.4	862.0	865.3
20.5°	829.9	830.7	832.4	836.7	837.8	836.7	832.4	830.7	829.9	830.7	832.4
21°	799.4	800.7	804.6	807.1	808.6	807.1	804.6	800.7	799.4	800.7	804.6



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	724.1	724.9	729.6	733.9	737.9	733.9	729.6	724.9	724.1	724.9	729.6
23°	703.3	704.1	707.1	712.2	716.8	712.2	707.1	704.1	703.3	704.1	707.1
23.5°	683.7	684.3	687.2	691.0	696.1	691.0	687.2	684.3	683.7	684.3	687.2
24°	665.1	665.7	668.3	672.4	675.8	672.4	668.3	665.7	665.1	665.7	668.3
24.5°	647.9	648.3	650.3	654.7	657.4	654.7	650.3	648.3	647.9	648.3	650.3
25°	631.5	631.8	633.4	637.9	640.5	637.9	633.4	631.8	631.5	631.8	633.4
25.5°	615.7	615.9	617.6	621.9	624.3	621.9	617.6	615.9	615.7	615.9	617.6
26°	600.6	600.8	602.4	606.7	609.0	606.7	602.4	600.8	600.6	600.8	602.4
26.5°	585.8	586.1	587.6	591.6	594.0	591.6	587.6	586.1	585.8	586.1	587.6
27°	571.9	572.2	573.5	577.4	580.1	577.4	573.5	572.2	571.9	572.2	573.5
27.5°	558.8	559.0	560.2	563.8	566.4	563.8	560.2	559.0	558.8	559.0	560.2
28°	546.1	546.2	547.5	550.8	553.1	550.8	547.5	546.2	546.1	546.2	547.5
28.5°	533.8	533.8	535.1	538.1	540.6	538.1	535.1	533.8	533.8	533.8	535.1
29°	522.0	521.9	523.0	525.9	528.2	525.9	523.0	521.9	522.0	521.9	523.0
29.5°	510.2	510.2	511.4	514.0	516.2	514.0	511.4	510.2	510.2	510.2	511.4
30°	499.0	499.0	500.2	502.7	505.0	502.7	500.2	499.0	499.0	499.0	500.2
30.5°	488.2	488.2	489.4	491.7	493.9	491.7	489.4	488.2	488.2	488.2	489.4
31°	478.0	477.8	479.2	481.4	483.6	481.4	479.2	477.8	478.0	477.8	479.2
31.5°	468.1	467.9	469.1	471.0	473.3	471.0	469.1	467.9	468.1	467.9	469.1
32°	458.8	458.5	459.6	461.2	462.8	461.2	459.6	458.5	458.8	458.5	459.6
32.5°	449.4	449.3	449.7	451.0	452.0	451.0	449.7	449.3	449.4	449.3	449.7
33°	439.7	439.4	439.4	440.3	441.3	440.3	439.4	439.4	439.7	439.4	439.4
33.5°	429.3	428.8	428.9	429.3	430.7	429.3	428.9	428.8	429.3	428.8	428.9
34°	418.3	417.8	417.8	417.5	419.0	417.5	417.8	417.8	418.3	417.8	417.8
34.5°	406.9	406.3	406.5	406.1	407.4	406.1	406.5	406.3	406.9	406.3	406.5
35°	395.0	394.8	394.7	394.7	395.3	394.7	394.7	394.8	395.0	394.8	394.7
35.5°	382.8	382.5	382.4	383.0	383.0	383.0	382.4	382.5	382.8	382.5	382.4
36°	370.4	370.2	370.2	371.0	370.5	371.0	370.2	370.2	370.4	370.2	370.2
36.5°	357.3	357.8	357.8	358.8	358.0	358.8	357.8	357.8	357.3	357.8	357.8
37°	344.2	344.9	345.3	346.3	345.2	346.3	345.3	344.9	344.2	344.9	345.3
37.5°	331.3	331.8	333.1	333.4	332.5	333.4	333.1	331.8	331.3	331.8	333.1
38°	318.3	318.4	320.1	319.9	319.8	319.9	320.1	318.4	318.3	318.4	320.1
38.5°	305.1	304.9	306.9	306.4	306.8	306.4	306.9	304.9	305.1	304.9	306.9
39°	291.2	291.4	293.7	292.7	293.9	292.7	293.7	291.4	291.2	291.4	293.7
39.5°	277.2	277.8	280.4	279.3	280.6	279.3	280.4	277.8	277.2	277.8	280.4
40°	263.1	264.3	266.9	266.0	267.2	266.0	266.9	264.3	263.1	264.3	266.9
40.5°	249.6	250.8	253.3	253.1	253.9	253.1	253.3	250.8	249.6	250.8	253.3
41°	236.4	237.5	239.6	240.0	240.6	240.0	239.6	237.5	236.4	237.5	239.6
41.5°	223.4	224.4	226.0	227.4	227.6	227.4	226.0	224.4	223.4	224.4	226.0
42°	210.5	211.3	212.5	214.6	214.8	214.6	212.5	211.3	210.5	211.3	212.5
42.5°	197.9	198.5	199.3	202.0	202.5	202.0	199.3	198.5	197.9	198.5	199.3
43°	185.2	185.7	186.3	189.3	190.2	189.3	186.3	185.7	185.2	185.7	186.3
43.5°	172.8	172.9	173.7	176.7	178.1	176.7	173.7	172.9	172.8	172.9	173.7



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	136.2	136.5	138.0	141.2	142.9	141.2	138.0	136.5	136.2	136.5	138.0
45.5°	124.9	125.3	126.8	130.1	131.6	130.1	126.8	125.3	124.9	125.3	126.8
46°	114.2	114.3	115.9	119.0	120.7	119.0	115.9	114.3	114.2	114.3	115.9
46.5°	103.7	103.9	105.3	108.1	110.3	108.1	105.3	103.9	103.7	103.9	105.3
47°	93.4	93.6	95.2	98.0	100.1	98.0	95.2	93.6	93.4	93.6	95.2
47.5°	83.3	83.9	85.8	88.2	90.7	88.2	85.8	83.9	83.3	83.9	85.8
48°	74.1	74.5	76.8	79.1	81.4	79.1	76.8	74.5	74.1	74.5	76.8
48.5°	65.3	65.7	68.1	70.6	72.9	70.6	68.1	65.7	65.3	65.7	68.1
49°	57.1	57.5	60.0	62.5	65.3	62.5	60.0	57.5	57.1	57.5	60.0
49.5°	49.3	50.1	52.5	54.9	57.7	54.9	52.5	50.1	49.3	50.1	52.5
50°	42.1	43.1	45.5	47.8	50.1	47.8	45.5	43.1	42.1	43.1	45.5
50.5°	35.5	37.0	39.1	41.1	42.5	41.1	39.1	37.0	35.5	37.0	39.1
51°	29.8	31.2	33.2	34.8	35.6	34.8	33.2	31.2	29.8	31.2	33.2
51.5°	25.1	26.1	27.5	29.2	29.9	29.2	27.5	26.1	25.1	26.1	27.5
52°	20.8	21.8	22.8	24.3	24.6	24.3	22.8	21.8	20.8	21.8	22.8
52.5°	17.1	17.5	18.8	20.0	19.8	20.0	18.8	17.5	17.1	17.5	18.8
53°	13.3	14.1	14.9	16.0	15.8	16.0	14.9	14.1	13.3	14.1	14.9
53.5°	9.6	10.7	11.5	12.3	12.2	12.3	11.5	10.7	9.6	10.7	11.5
54°	6.9	7.4	8.3	9.3	10.0	9.3	8.3	7.4	6.9	7.4	8.3
54.5°	4.4	4.9	6.0	6.6	7.9	6.6	6.0	4.9	4.4	4.9	6.0
55°	2.7	3.1	4.1	4.6	5.8	4.6	4.1	3.1	2.7	3.1	4.1
55.5°	1.9	1.9	2.3	2.9	3.7	2.9	2.3	1.9	1.9	1.9	2.3
56°	1.4	1.3	1.5	1.8	1.9	1.8	1.5	1.3	1.4	1.3	1.5
56.5°	1.0	0.9	1.1	1.4	1.1	1.4	1.1	0.9	1.0	0.9	1.1
57°	0.5	0.7	0.7	1.0	0.6	1.0	0.7	0.7	0.5	0.7	0.7
57.5°	0.5	0.5	0.5	0.7	0.5	0.7	0.5	0.5	0.5	0.5	0.5
58°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
59°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
59.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
60.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
61°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
61.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
62°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
63°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
63.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
64°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
64.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
68.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
73°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
73.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
74°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
74.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P775744
CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2414.1	2414.1	2414.1	2414.1	2414.1	2414.1
0.5°	2411.6	2415.4	2411.6	2411.2	2411.2	2411.2
1°	2404.6	2407.1	2404.6	2404.5	2404.8	2404.8
1.5°	2392.9	2394.5	2392.9	2393.4	2394.2	2394.4
2°	2378.0	2378.3	2378.0	2379.3	2380.5	2381.1
2.5°	2361.1	2360.4	2361.1	2363.2	2364.9	2365.3
3°	2343.4	2342.2	2343.4	2346.3	2348.2	2348.7
3.5°	2326.2	2324.7	2326.2	2329.1	2331.3	2332.1
4°	2310.0	2308.5	2310.0	2312.2	2314.4	2315.5
4.5°	2294.3	2293.2	2294.3	2295.8	2297.4	2298.5
5°	2278.7	2278.4	2278.7	2279.3	2280.3	2281.0
5.5°	2262.1	2263.0	2262.1	2261.7	2261.7	2262.1
6°	2244.0	2245.0	2244.0	2242.3	2241.6	2241.6
6.5°	2222.5	2223.7	2222.5	2220.6	2219.4	2218.8
7°	2197.1	2198.6	2197.1	2195.2	2194.0	2192.9
7.5°	2166.9	2167.7	2166.9	2165.5	2164.0	2163.6
8°	2132.0	2132.4	2132.0	2131.2	2130.3	2130.1
8.5°	2091.7	2091.0	2091.7	2091.9	2091.8	2091.8
9°	2047.4	2046.7	2047.4	2048.8	2049.8	2049.9
9.5°	1999.4	1997.7	1999.4	2001.5	2003.9	2004.3
10°	1947.2	1944.6	1947.2	1951.2	1954.7	1955.7
10.5°	1893.2	1889.3	1893.2	1898.0	1901.9	1904.1
11°	1838.0	1834.5	1838.0	1842.0	1847.1	1849.0
11.5°	1780.0	1777.2	1780.0	1785.8	1790.1	1791.8
12°	1720.6	1717.0	1720.6	1725.9	1731.3	1732.7
12.5°	1658.8	1655.6	1658.8	1663.9	1668.1	1670.5
13°	1597.3	1595.4	1597.3	1600.3	1604.3	1605.4
13.5°	1534.5	1533.6	1534.5	1535.6	1536.6	1535.7
14°	1471.0	1472.1	1471.0	1469.5	1468.3	1466.8
14.5°	1408.7	1411.5	1408.7	1404.9	1400.9	1398.6
15°	1346.5	1349.9	1346.5	1341.5	1336.2	1334.3
15.5°	1286.3	1290.4	1286.3	1280.7	1276.0	1273.5
16°	1229.4	1234.2	1229.4	1222.8	1218.7	1217.1
16.5°	1175.3	1179.8	1175.3	1169.3	1164.3	1163.0
17°	1123.1	1127.9	1123.1	1117.1	1112.7	1111.3
17.5°	1072.9	1077.2	1072.9	1068.0	1063.6	1062.2
18°	1025.3	1029.6	1025.3	1020.6	1017.7	1016.5
18.5°	982.7	984.0	982.7	976.9	973.9	973.6
19°	943.1	943.3	943.1	937.7	933.3	932.4
19.5°	905.4	905.8	905.4	900.7	896.7	894.4
20°	870.1	870.6	870.1	865.3	862.0	861.4
20.5°	836.7	837.8	836.7	832.4	830.7	829.9
21°	807.1	808.6	807.1	804.6	800.7	799.4

TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	733.9	737.9	733.9	729.6	724.9	724.1
23°	712.2	716.8	712.2	707.1	704.1	703.3
23.5°	691.0	696.1	691.0	687.2	684.3	683.7
24°	672.4	675.8	672.4	668.3	665.7	665.1
24.5°	654.7	657.4	654.7	650.3	648.3	647.9
25°	637.9	640.5	637.9	633.4	631.8	631.5
25.5°	621.9	624.3	621.9	617.6	615.9	615.7
26°	606.7	609.0	606.7	602.4	600.8	600.6
26.5°	591.6	594.0	591.6	587.6	586.1	585.8
27°	577.4	580.1	577.4	573.5	572.2	571.9
27.5°	563.8	566.4	563.8	560.2	559.0	558.8
28°	550.8	553.1	550.8	547.5	546.2	546.1
28.5°	538.1	540.6	538.1	535.1	533.8	533.8
29°	525.9	528.2	525.9	523.0	521.9	522.0
29.5°	514.0	516.2	514.0	511.4	510.2	510.2
30°	502.7	505.0	502.7	500.2	499.0	499.0
30.5°	491.7	493.9	491.7	489.4	488.2	488.2
31°	481.4	483.6	481.4	479.2	477.8	478.0
31.5°	471.0	473.3	471.0	469.1	467.9	468.1
32°	461.2	462.8	461.2	459.6	458.5	458.8
32.5°	451.0	452.0	451.0	449.7	449.3	449.4
33°	440.3	441.3	440.3	439.4	439.4	439.7
33.5°	429.3	430.7	429.3	428.9	428.8	429.3
34°	417.5	419.0	417.5	417.8	417.8	418.3
34.5°	406.1	407.4	406.1	406.5	406.3	406.9
35°	394.7	395.3	394.7	394.7	394.8	395.0
35.5°	383.0	383.0	383.0	382.4	382.5	382.8
36°	371.0	370.5	371.0	370.2	370.2	370.4
36.5°	358.8	358.0	358.8	357.8	357.8	357.3
37°	346.3	345.2	346.3	345.3	344.9	344.2
37.5°	333.4	332.5	333.4	333.1	331.8	331.3
38°	319.9	319.8	319.9	320.1	318.4	318.3
38.5°	306.4	306.8	306.4	306.9	304.9	305.1
39°	292.7	293.9	292.7	293.7	291.4	291.2
39.5°	279.3	280.6	279.3	280.4	277.8	277.2
40°	266.0	267.2	266.0	266.9	264.3	263.1
40.5°	253.1	253.9	253.1	253.3	250.8	249.6
41°	240.0	240.6	240.0	239.6	237.5	236.4
41.5°	227.4	227.6	227.4	226.0	224.4	223.4
42°	214.6	214.8	214.6	212.5	211.3	210.5
42.5°	202.0	202.5	202.0	199.3	198.5	197.9
43°	189.3	190.2	189.3	186.3	185.7	185.2
43.5°	176.7	178.1	176.7	173.7	172.9	172.8



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	141.2	142.9	141.2	138.0	136.5	136.2
45.5°	130.1	131.6	130.1	126.8	125.3	124.9
46°	119.0	120.7	119.0	115.9	114.3	114.2
46.5°	108.1	110.3	108.1	105.3	103.9	103.7
47°	98.0	100.1	98.0	95.2	93.6	93.4
47.5°	88.2	90.7	88.2	85.8	83.9	83.3
48°	79.1	81.4	79.1	76.8	74.5	74.1
48.5°	70.6	72.9	70.6	68.1	65.7	65.3
49°	62.5	65.3	62.5	60.0	57.5	57.1
49.5°	54.9	57.7	54.9	52.5	50.1	49.3
50°	47.8	50.1	47.8	45.5	43.1	42.1
50.5°	41.1	42.5	41.1	39.1	37.0	35.5
51°	34.8	35.6	34.8	33.2	31.2	29.8
51.5°	29.2	29.9	29.2	27.5	26.1	25.1
52°	24.3	24.6	24.3	22.8	21.8	20.8
52.5°	20.0	19.8	20.0	18.8	17.5	17.1
53°	16.0	15.8	16.0	14.9	14.1	13.3
53.5°	12.3	12.2	12.3	11.5	10.7	9.6
54°	9.3	10.0	9.3	8.3	7.4	6.9
54.5°	6.6	7.9	6.6	6.0	4.9	4.4
55°	4.6	5.8	4.6	4.1	3.1	2.7
55.5°	2.9	3.7	2.9	2.3	1.9	1.9
56°	1.8	1.9	1.8	1.5	1.3	1.4
56.5°	1.4	1.1	1.4	1.1	0.9	1.0
57°	1.0	0.6	1.0	0.7	0.7	0.5
57.5°	0.7	0.5	0.7	0.5	0.5	0.5
58°	0.5	0.5	0.5	0.5	0.5	0.5
58.5°	0.4	0.4	0.4	0.4	0.4	0.4
59°	0.4	0.4	0.4	0.4	0.4	0.4
59.5°	0.4	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4
60.5°	0.3	0.3	0.3	0.3	0.3	0.3
61°	0.3	0.3	0.3	0.3	0.3	0.3
61.5°	0.3	0.3	0.3	0.3	0.3	0.3
62°	0.3	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3
63°	0.3	0.3	0.3	0.3	0.3	0.3
63.5°	0.2	0.2	0.2	0.2	0.2	0.2
64°	0.2	0.2	0.2	0.2	0.2	0.2
64.5°	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.1	0.2	0.2	0.2	0.2
68°	0.1	0.1	0.1	0.1	0.1	0.1
68.5°	0.1	0.1	0.1	0.1	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1
73°	0.1	0.1	0.1	0.1	0.1	0.1
73.5°	0.1	0.1	0.1	0.1	0.1	0.1
74°	0.1	0.1	0.1	0.1	0.1	0.1
74.5°	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.1	0.1	0.1	0.1	0.1	0.1
75.5°	0.1	0.1	0.1	0.1	0.1	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	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
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P775744

CATALOG NUMBER: HCDJBL510CSD-HCD62TRC-1000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°

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

Scaled Data Report



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

Scaled Data Report





21.5°	770.6	773.7	778.2	781.0	781.9	781.0	778.2	773.7	770.6	773.7	778.2
22°	746.9	748.6	753.2	756.9	759.5	756.9	753.2	748.6	746.9	748.6	753.2



44°	160.1	160.4	161.3	164.3	166.1	164.3	161.3	160.4	160.1	160.4	161.3
44.5°	148.0	148.3	149.3	152.7	154.4	152.7	149.3	148.3	148.0	148.3	149.3



66.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report





21.5°	781.0	781.9	781.0	778.2	773.7	770.6
22°	756.9	759.5	756.9	753.2	748.6	746.9



44°	164.3	166.1	164.3	161.3	160.4	160.1
44.5°	152.7	154.4	152.7	149.3	148.3	148.0

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

Scaled Data Report



66.5°	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.2	0.2

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

Scaled Data Report



89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



(END OF REPORT)