

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: P776101

Luminaire Tested: HCDJBS1525CSD-HCD6TSQC-2500lm-3000K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2310613A001)  
Test Lab:  
Issue Date: 2/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K  
Description: 6 INCH SQUARE MEDIUM SPECULAR CLEAR TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

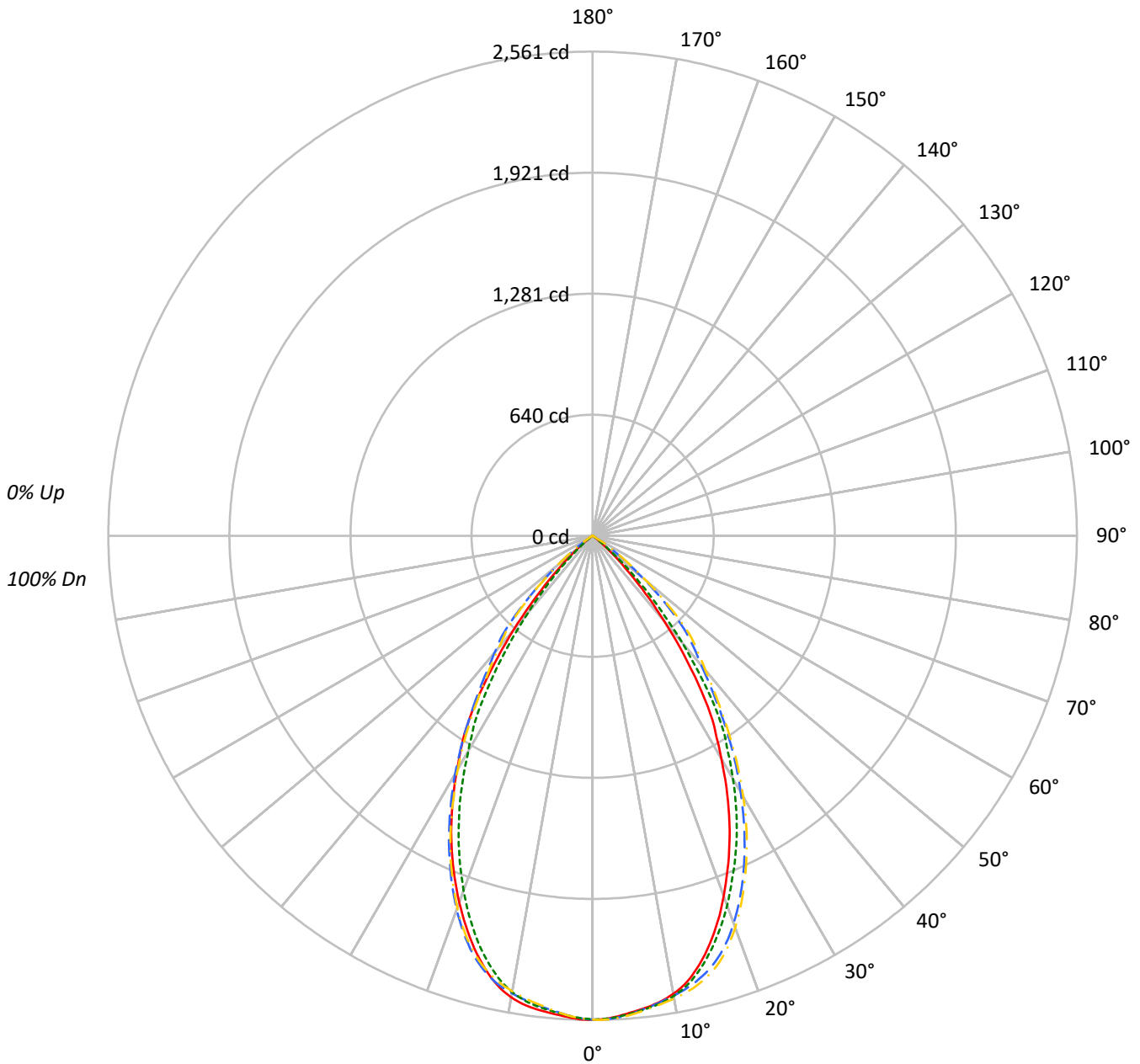
Lumens per Lamp: N/A  
Luminaire Lumens: 2791.7 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.99  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 25  
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: 24 FT



TEST NUMBER: P776101  
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P776101

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQC-2500lm-3000K

**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			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93					93			
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79					79			
4	96	87	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72					72			
5	90	81	75	70	89	80	74	70	78	73	69	77	72	69	75	71	68	67					67			
6	85	76	69	65	84	75	69	64	73	68	64	72	67	64	71	66	63	62					62			
7	81	71	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57					57			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53					53			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49					49			
10	69	58	52	48	68	58	52	48	57	51	48	56	51	48	55	51	47	46					46			

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

	0°	90°	180°	270°
0°	110205	110205	110205	110205
5°	109178	109412	109572	109027
10°	107555	108032	108355	107157
15°	102241	103386	103186	101104
20°	92884	95285	94492	91413
25°	81455	85407	84058	79564
30°	67614	73749	71393	65437
35°	52714	60813	56682	49429
40°	33228	41142	36561	29997
45°	16075	21969	18328	13743
50°	4883	7690	5774	3918
55°	646	593	578	503
60°	448	465	465	379
65°	377	377	408	326
70°	315	340	340	252
75°	283	283	283	250
80°	248	248	248	174
85°	99	247	99	99

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°  
 Vertical Angle: 45°  
 Luminance: 42599 cd/sqm



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQC-2500lm-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.4	8.6
10°-20°	648.6	23.2
20°-30°	819.9	29.4
30°-40°	692.8	24.8
40°-50°	334.4	12.0
50°-60°	50.1	1.8
60°-70°	4.2	0.2
70°-80°	1.9	0.1
80°-90°	0.4	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°	1707.9	61.2
0°-40°	2400.7	86.0
0°-60°	2785.2	99.8
0°-90°	2791.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2791.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2560	2560	2560	2560	2560	
5°	2526	2532	2535	2523	2526	239
15°	2294	2319	2315	2268	2294	639
25°	1715	1798	1769	1675	1715	780
35°	1003	1157	1078	940	1003	613
45°	264	361	301	226	264	215
55°	9	8	8	7	9	17
65°	4	4	4	3	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6
0.5°	2559.9	2560.1	2559.9	2560.1	2557.4	2559.1	2560.9	2562.4	2560.6	2558.9	2558.2
1°	2558.4	2559.6	2559.6	2560.1	2557.2	2559.6	2561.1	2561.9	2560.1	2556.7	2555.7
1.5°	2555.9	2558.2	2558.6	2559.6	2556.2	2558.6	2560.9	2560.6	2558.4	2554.2	2552.7
2°	2553.2	2556.2	2557.2	2558.6	2554.0	2557.4	2559.6	2558.2	2555.4	2550.7	2549.0
2.5°	2549.3	2554.0	2554.9	2556.7	2551.5	2555.2	2557.4	2555.4	2552.7	2546.8	2544.8
3°	2545.6	2550.3	2551.7	2554.2	2548.5	2552.5	2554.5	2551.7	2549.3	2542.3	2539.6
3.5°	2540.4	2546.3	2547.8	2550.7	2544.8	2548.8	2550.7	2548.5	2545.6	2537.9	2534.7
4°	2535.2	2541.6	2543.3	2546.5	2540.4	2545.3	2546.5	2544.3	2541.6	2533.2	2528.8
4.5°	2530.2	2536.2	2538.2	2542.1	2536.2	2540.6	2542.3	2540.6	2538.9	2528.5	2523.1
5°	2526.1	2531.0	2532.2	2537.2	2531.5	2535.9	2537.4	2537.2	2535.2	2524.1	2517.4
5.5°	2521.4	2526.1	2526.5	2531.7	2527.3	2531.2	2532.5	2533.2	2531.5	2519.4	2512.2
6°	2516.4	2521.4	2519.9	2525.8	2522.8	2526.5	2527.5	2529.0	2527.5	2514.4	2507.5
6.5°	2511.2	2516.7	2514.0	2520.1	2518.1	2521.9	2522.1	2524.6	2524.3	2509.5	2501.8
7°	2506.5	2511.2	2508.0	2514.7	2513.2	2516.7	2517.2	2520.4	2519.9	2503.8	2496.2
7.5°	2500.1	2505.6	2501.8	2508.8	2508.0	2511.2	2512.0	2515.4	2514.9	2497.7	2490.2
8°	2494.4	2499.9	2496.2	2502.6	2502.1	2505.8	2507.0	2510.5	2509.5	2491.2	2484.3
8.5°	2487.0	2493.5	2489.7	2496.2	2495.9	2499.4	2501.8	2504.8	2503.6	2484.3	2478.4
9°	2478.6	2486.8	2483.3	2489.5	2488.5	2492.7	2496.7	2498.4	2496.4	2476.7	2472.0
9.5°	2469.5	2478.9	2477.2	2482.1	2480.4	2486.0	2491.2	2492.0	2487.8	2468.0	2464.8
10°	2460.1	2470.2	2470.2	2474.7	2471.0	2478.1	2485.8	2483.3	2478.4	2458.1	2457.2
10.5°	2450.0	2461.4	2463.3	2466.5	2461.6	2469.3	2479.9	2474.4	2468.5	2448.3	2450.2
11°	2437.9	2452.0	2456.2	2457.4	2451.0	2459.6	2473.5	2464.1	2456.7	2437.6	2441.8
11.5°	2424.1	2441.6	2448.8	2448.3	2439.4	2450.0	2466.5	2454.2	2443.8	2425.0	2432.5
12°	2409.5	2430.2	2440.1	2437.9	2426.0	2439.6	2459.1	2442.3	2428.8	2411.5	2422.1
12.5°	2393.4	2417.1	2431.2	2427.3	2411.0	2427.3	2452.0	2429.5	2412.5	2396.4	2411.2
13°	2375.7	2402.8	2421.6	2415.4	2394.9	2414.7	2443.1	2415.2	2395.2	2379.6	2398.4
13.5°	2356.4	2387.5	2411.2	2403.3	2377.4	2399.9	2433.4	2399.9	2376.6	2362.3	2385.3
14°	2336.6	2371.2	2400.4	2389.5	2358.9	2384.5	2422.6	2383.1	2356.6	2344.0	2370.5
14.5°	2315.9	2353.7	2388.3	2373.9	2339.6	2367.5	2411.2	2365.0	2336.1	2324.8	2355.2
15°	2293.7	2334.7	2375.2	2357.1	2319.4	2350.0	2399.4	2346.8	2314.9	2304.5	2337.6
15.5°	2270.2	2315.4	2361.3	2340.1	2298.6	2331.7	2386.0	2327.8	2292.7	2284.8	2319.4
16°	2246.3	2294.7	2346.5	2322.3	2276.6	2313.2	2371.2	2308.2	2269.7	2262.8	2299.4
16.5°	2221.3	2273.4	2329.7	2303.1	2254.4	2293.7	2354.9	2287.3	2246.3	2240.6	2277.9
17°	2196.4	2251.2	2312.4	2283.1	2231.4	2272.9	2337.1	2265.0	2221.6	2217.4	2255.1
17.5°	2169.5	2228.0	2293.7	2262.6	2207.7	2251.9	2317.9	2243.0	2195.4	2194.4	2232.9
18°	2143.3	2205.0	2273.4	2241.8	2182.5	2230.5	2297.1	2220.3	2169.9	2169.5	2207.7
18.5°	2116.1	2180.8	2252.2	2219.8	2157.6	2208.2	2275.6	2196.6	2143.8	2144.3	2182.0
19°	2087.7	2155.9	2229.2	2197.4	2132.4	2185.3	2252.4	2172.2	2117.1	2118.8	2156.1
19.5°	2057.8	2130.4	2206.0	2173.7	2106.7	2161.8	2228.7	2147.7	2089.7	2093.9	2130.7
20°	2027.2	2103.8	2181.3	2150.7	2079.6	2137.6	2204.3	2122.3	2062.3	2066.5	2101.5
20.5°	1996.6	2077.8	2155.9	2126.7	2051.7	2113.2	2178.6	2096.4	2034.1	2039.3	2073.4
21°	1964.7	2050.2	2129.7	2102.3	2023.5	2087.2	2151.9	2070.2	2005.2	2012.6	2044.3



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1875.3	1961.8	2047.2	2025.0	1939.1	2007.7	2069.9	1989.9	1918.8	1927.2	1955.1
23°	1844.0	1931.9	2018.3	1997.8	1912.4	1979.3	2040.3	1962.3	1888.9	1899.0	1923.7
23.5°	1811.4	1902.5	1988.7	1970.7	1883.7	1951.2	2011.7	1934.6	1859.0	1868.7	1892.4
24°	1779.8	1874.1	1958.6	1942.5	1855.1	1923.5	1981.8	1906.2	1829.2	1838.3	1861.0
24.5°	1747.4	1845.0	1928.4	1914.4	1826.4	1897.1	1951.4	1876.1	1799.3	1807.7	1829.7
25°	1714.6	1814.6	1897.6	1886.7	1797.8	1867.7	1919.5	1846.2	1769.4	1777.3	1798.3
25.5°	1681.0	1783.0	1866.4	1859.3	1769.1	1838.5	1888.4	1816.1	1737.5	1748.4	1766.9
26°	1646.9	1751.4	1833.9	1830.4	1739.3	1809.2	1857.6	1785.9	1705.9	1716.5	1731.4
26.5°	1612.6	1718.8	1801.3	1800.3	1708.2	1779.8	1826.4	1756.1	1672.8	1684.4	1698.0
27°	1578.0	1686.9	1768.7	1770.6	1677.0	1752.9	1795.3	1724.2	1640.2	1652.1	1663.2
27.5°	1542.2	1653.6	1734.8	1741.0	1645.7	1722.5	1764.2	1692.1	1607.2	1619.7	1628.9
28°	1506.1	1621.2	1701.7	1710.4	1614.1	1690.9	1729.9	1660.2	1573.6	1587.9	1593.1
28.5°	1469.6	1586.9	1666.7	1680.0	1582.5	1659.8	1696.8	1627.9	1539.2	1555.3	1559.2
29°	1433.3	1554.3	1632.3	1647.9	1549.9	1628.4	1662.0	1594.6	1505.7	1521.7	1524.7
29.5°	1396.7	1519.7	1598.3	1615.8	1517.3	1598.3	1626.7	1561.5	1470.3	1489.4	1490.3
30°	1360.0	1486.9	1565.4	1585.4	1483.4	1565.4	1591.3	1528.4	1436.0	1456.0	1454.0
30.5°	1325.9	1451.3	1531.3	1553.1	1449.8	1533.8	1558.3	1495.3	1402.4	1422.7	1419.2
31°	1292.3	1417.0	1496.8	1522.7	1417.2	1501.5	1524.2	1461.9	1371.1	1388.6	1382.7
31.5°	1256.0	1381.7	1462.4	1490.3	1386.4	1471.3	1489.1	1427.9	1336.0	1355.8	1346.6
32°	1224.1	1347.1	1428.9	1458.2	1352.5	1437.7	1453.8	1395.0	1306.1	1323.9	1309.8
32.5°	1197.2	1311.8	1394.0	1424.9	1319.7	1406.1	1418.5	1361.4	1272.8	1293.5	1273.5
33°	1166.1	1279.7	1358.2	1394.0	1293.8	1373.3	1381.9	1330.8	1239.9	1260.7	1237.2
33.5°	1127.6	1247.3	1322.9	1362.2	1262.9	1344.6	1346.9	1298.0	1202.6	1231.3	1201.2
34°	1089.5	1213.5	1288.1	1330.8	1229.3	1311.3	1310.8	1266.1	1163.4	1200.2	1166.1
34.5°	1046.1	1183.4	1252.8	1299.5	1194.7	1278.2	1275.2	1238.2	1122.4	1168.8	1131.0
35°	1002.9	1157.5	1218.2	1268.1	1157.0	1251.5	1239.9	1204.4	1078.4	1134.7	1096.2
35.5°	960.4	1128.1	1182.1	1236.0	1118.2	1225.6	1205.6	1173.0	1033.5	1098.4	1062.6
36°	919.1	1091.5	1147.1	1211.0	1075.2	1191.3	1171.5	1137.7	988.3	1058.9	1029.3
36.5°	873.7	1056.5	1113.3	1179.7	1031.8	1161.2	1138.4	1099.7	942.4	1019.4	997.4
37°	833.0	1015.0	1079.4	1148.6	986.1	1125.4	1104.9	1060.4	898.7	978.2	966.3
37.5°	792.5	975.0	1046.6	1116.7	942.9	1089.0	1073.0	1019.4	856.2	936.4	936.4
38°	751.7	935.4	1013.5	1081.1	898.4	1049.5	1042.1	977.4	813.9	894.7	906.8
38.5°	711.2	897.4	982.4	1044.1	856.2	1010.5	1012.2	934.0	773.7	853.0	879.1
39°	669.7	858.6	951.3	1004.3	814.4	968.8	983.6	892.5	733.2	813.2	853.0
39.5°	629.7	819.9	921.6	963.6	773.4	927.3	955.0	851.2	692.0	774.7	830.0
40°	591.2	781.1	894.7	922.9	732.0	885.8	928.0	811.7	650.5	737.4	806.5
40.5°	552.9	742.3	872.0	880.4	691.5	845.8	902.6	773.4	610.0	700.8	782.3
41°	517.1	703.8	849.3	841.6	651.0	805.6	880.6	735.4	570.2	663.1	766.8
41.5°	482.3	665.3	826.5	802.6	610.7	767.5	858.4	697.9	531.7	626.3	745.5
42°	447.7	627.3	803.8	763.8	570.9	729.5	833.7	660.6	494.9	589.2	720.4
42.5°	413.4	589.2	781.1	725.0	531.9	692.9	815.2	623.1	460.1	552.9	695.7
43°	380.8	553.7	758.6	688.2	495.4	654.7	799.6	585.3	425.7	517.4	663.3
43.5°	349.4	519.6	734.9	651.5	459.8	616.6	775.4	547.7	392.9	482.8	630.5



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	264.0	419.8	655.7	541.8	360.8	508.2	699.6	445.7	301.0	387.0	530.4
45.5°	237.6	388.2	626.8	507.0	330.2	473.6	669.2	414.4	272.6	356.3	496.9
46°	212.6	357.3	595.9	472.9	300.8	440.6	637.1	382.8	248.9	326.7	464.3
46.5°	188.9	327.5	565.0	440.6	271.9	409.2	603.5	352.6	225.2	298.3	432.4
47°	166.2	298.6	533.4	408.9	247.9	377.3	567.7	323.5	201.5	272.1	401.8
47.5°	144.7	271.2	501.6	378.8	223.7	347.2	532.7	295.4	177.8	248.7	371.2
48°	125.2	244.5	468.5	349.4	199.8	317.8	499.1	268.2	154.3	225.2	342.5
48.5°	107.9	220.3	435.6	320.5	175.8	289.9	466.5	245.2	135.1	201.8	314.6
49°	92.6	196.1	403.0	292.4	151.9	261.8	434.9	222.3	117.5	178.5	287.7
49.5°	82.5	173.4	373.1	265.7	132.6	237.8	404.0	199.3	101.2	155.1	261.8
50°	72.9	151.9	343.3	240.5	114.8	213.6	374.9	176.3	86.2	136.1	239.0
50.5°	63.0	132.6	315.8	216.6	98.3	189.7	346.7	153.4	73.1	117.8	216.3
51°	53.1	114.3	288.2	192.9	83.2	165.7	319.8	133.4	60.5	101.5	193.6
51.5°	43.5	98.0	263.0	170.9	69.9	145.2	292.4	116.1	49.6	85.7	170.6
52°	36.1	83.5	238.1	150.6	57.5	125.9	265.7	99.0	41.5	71.9	151.6
52.5°	29.1	73.6	215.3	131.6	46.2	107.9	242.8	84.2	33.3	59.0	133.4
53°	22.2	63.7	193.1	113.6	38.5	91.6	219.8	69.6	25.2	48.2	116.6
53.5°	15.6	53.8	171.6	97.3	30.9	76.6	196.6	57.5	16.8	40.0	101.0
54°	10.6	44.0	151.4	82.0	23.0	63.5	173.6	46.2	8.9	31.9	87.2
54.5°	9.4	36.8	133.6	69.9	15.3	51.4	150.6	38.5	8.1	23.7	74.3
55°	8.6	29.6	116.3	57.8	7.9	42.7	132.6	30.6	7.7	15.8	62.7
55.5°	7.7	23.0	101.0	45.7	7.4	34.1	114.6	23.0	7.4	8.1	52.6
56°	6.9	16.3	86.9	33.8	7.2	25.7	98.3	15.1	7.2	7.4	43.7
56.5°	6.7	10.9	76.6	24.4	6.9	17.3	83.2	7.4	6.9	7.2	36.1
57°	6.4	9.9	66.2	16.3	6.7	8.6	69.9	6.9	6.7	6.9	31.4
57.5°	6.2	8.9	56.1	9.6	6.4	7.2	57.5	6.9	6.4	6.7	26.7
58°	5.9	7.9	45.7	8.6	6.2	6.9	46.9	6.7	6.4	6.4	22.0
58.5°	5.7	7.2	35.3	7.7	5.9	6.7	37.8	6.4	6.2	6.2	17.5
59°	5.7	6.2	28.6	6.9	5.7	6.4	32.6	6.2	5.9	5.9	12.8
59.5°	5.4	5.9	23.2	5.9	5.7	6.2	27.4	5.9	5.7	5.9	10.4
60°	5.2	5.7	18.8	5.7	5.4	5.9	22.2	5.7	5.4	5.7	8.6
60.5°	4.9	5.7	15.3	5.7	5.2	5.7	17.3	5.7	5.4	5.4	7.2
61°	4.9	5.4	12.3	5.4	4.9	5.7	12.1	5.4	5.2	5.2	6.2
61.5°	4.7	5.2	10.1	5.2	4.9	5.4	9.9	5.2	4.9	5.2	5.4
62°	4.7	5.2	9.1	5.2	4.7	5.2	8.1	5.2	4.7	4.9	5.2
62.5°	4.4	4.9	8.1	4.9	4.4	5.2	6.9	4.9	4.7	4.7	4.9
63°	4.2	4.7	6.9	4.7	4.4	4.9	5.9	4.7	4.4	4.7	4.7
63.5°	4.2	4.7	5.9	4.7	4.2	4.7	5.4	4.7	4.4	4.4	4.4
64°	4.0	4.4	4.9	4.4	4.2	4.7	4.9	4.4	4.2	4.2	4.4
64.5°	4.0	4.2	4.7	4.4	4.0	4.4	4.9	4.4	4.0	4.2	4.2
65°	3.7	4.2	4.7	4.2	3.7	4.2	4.7	4.2	4.0	4.0	4.2
65.5°	3.7	4.0	4.4	4.0	3.7	4.2	4.4	4.0	3.7	4.0	4.0
66°	3.5	4.0	4.2	4.0	3.5	4.0	4.4	4.0	3.7	3.7	4.0





TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	3.2	3.5	4.0	3.5	3.2	3.7	4.0	3.5	3.2	3.5	3.5
68°	3.0	3.5	3.7	3.5	3.0	3.5	3.7	3.5	3.2	3.2	3.2
68.5°	3.0	3.2	3.7	3.2	3.0	3.2	3.7	3.2	3.0	3.0	3.2
69°	2.7	3.2	3.5	3.2	2.7	3.2	3.5	3.2	3.0	3.0	3.0
69.5°	2.7	3.0	3.5	3.2	2.7	3.0	3.5	3.0	2.7	2.7	3.0
70°	2.5	3.0	3.2	3.0	2.7	3.0	3.2	3.0	2.7	2.7	2.7
70.5°	2.5	2.7	3.2	3.0	2.5	3.0	3.2	2.7	2.5	2.7	2.7
71°	2.5	2.7	3.0	2.7	2.5	2.7	3.0	2.7	2.5	2.5	2.5
71.5°	2.2	2.5	3.0	2.7	2.2	2.7	3.0	2.5	2.2	2.5	2.5
72°	2.2	2.5	2.7	2.5	2.2	2.5	2.7	2.5	2.2	2.2	2.2
72.5°	2.0	2.2	2.7	2.5	2.2	2.5	2.7	2.5	2.2	2.2	2.2
73°	2.0	2.2	2.5	2.5	2.0	2.2	2.5	2.2	2.0	2.0	2.2
73.5°	2.0	2.2	2.5	2.2	2.0	2.2	2.5	2.2	2.0	2.0	2.0
74°	1.7	2.0	2.2	2.2	2.0	2.2	2.2	2.0	2.0	2.0	2.0
74.5°	1.7	2.0	2.2	2.0	1.7	2.0	2.2	2.0	1.7	1.7	1.7
75°	1.7	1.7	2.0	2.0	1.7	2.0	2.2	2.0	1.7	1.7	1.7
75.5°	1.5	1.7	2.0	2.0	1.7	2.0	2.0	1.7	1.7	1.7	1.5
76°	1.5	1.7	2.0	1.7	1.7	1.7	2.0	1.7	1.5	1.5	1.5
76.5°	1.5	1.5	1.7	1.7	1.5	1.7	1.7	1.7	1.5	1.5	1.5
77°	1.5	1.5	1.7	1.7	1.5	1.7	1.7	1.5	1.5	1.5	1.2
77.5°	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2
78°	1.2	1.2	1.5	1.5	1.2	1.5	1.5	1.2	1.2	1.2	1.0
78.5°	1.2	1.2	1.2	1.5	1.2	1.5	1.5	1.2	1.2	1.2	1.0
79°	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.0
79.5°	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	0.7
80°	1.0	1.0	1.0	1.2	1.0	1.2	1.2	1.0	1.0	1.0	0.7
80.5°	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.0	0.7	0.7
81°	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
81.5°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.5
82°	0.7	0.7	0.7	1.0	0.7	1.0	0.7	0.7	0.7	0.5	0.5
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5
83°	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5
83.5°	0.5	0.5	0.5	0.7	0.7	0.7	0.5	0.5	0.5	0.2	0.5
84°	0.5	0.5	0.5	0.7	0.5	0.7	0.5	0.5	0.5	0.2	0.2
84.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.2	0.2
85°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
85.5°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
86°	0.2	0.2	0.2	0.5	0.5	0.5	0.2	0.2	0.2	0.0	0.2
86.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

**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: P776101

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2559.6	2559.6	2559.6	2559.6	2559.6	2559.6
0.5°	2557.2	2555.9	2557.2	2558.4	2560.9	2559.9
1°	2554.2	2554.2	2554.9	2555.7	2558.9	2558.4
1.5°	2551.2	2551.5	2552.0	2552.7	2556.9	2555.9
2°	2547.5	2548.3	2548.0	2549.0	2554.2	2553.2
2.5°	2543.3	2544.3	2544.1	2544.3	2549.8	2549.3
3°	2538.6	2540.1	2539.4	2539.4	2545.8	2545.6
3.5°	2534.2	2535.2	2534.0	2534.0	2540.4	2540.4
4°	2529.5	2531.2	2528.8	2528.0	2534.7	2535.2
4.5°	2525.1	2527.0	2523.6	2521.1	2529.0	2530.2
5°	2520.1	2522.6	2518.6	2514.2	2523.3	2526.1
5.5°	2514.7	2518.4	2513.2	2507.8	2517.9	2521.4
6°	2508.8	2513.7	2507.5	2501.6	2512.5	2516.4
6.5°	2503.1	2508.5	2501.6	2495.7	2506.5	2511.2
7°	2496.4	2502.8	2495.4	2489.7	2500.4	2506.5
7.5°	2489.5	2496.7	2488.3	2483.3	2493.7	2500.1
8°	2481.8	2489.7	2480.6	2476.4	2487.0	2494.4
8.5°	2473.2	2481.6	2472.5	2469.5	2479.6	2487.0
9°	2463.3	2471.7	2463.6	2462.1	2471.7	2478.6
9.5°	2453.2	2461.6	2453.9	2454.9	2462.8	2469.5
10°	2441.8	2451.0	2443.3	2446.8	2453.9	2460.1
10.5°	2429.2	2437.9	2431.5	2438.4	2444.3	2450.0
11°	2415.9	2424.3	2419.1	2429.5	2433.9	2437.9
11.5°	2401.6	2408.7	2405.8	2419.6	2422.8	2424.1
12°	2386.0	2392.0	2390.7	2409.0	2410.5	2409.5
12.5°	2369.2	2373.9	2374.7	2397.1	2396.4	2393.4
13°	2351.5	2355.4	2357.1	2385.0	2381.6	2375.7
13.5°	2332.7	2335.2	2339.1	2372.0	2365.8	2356.4
14°	2313.2	2313.7	2320.1	2357.9	2348.5	2336.6
14.5°	2293.2	2291.4	2300.1	2342.6	2330.7	2315.9
15°	2271.9	2268.2	2278.9	2325.5	2311.0	2293.7
15.5°	2250.2	2244.3	2256.6	2307.5	2290.7	2270.2
16°	2227.2	2219.6	2233.9	2288.0	2269.5	2246.3
16.5°	2203.8	2193.4	2210.4	2267.5	2247.5	2221.3
17°	2179.8	2167.2	2187.0	2246.0	2225.0	2196.4
17.5°	2155.4	2140.3	2162.0	2222.5	2200.8	2169.5
18°	2129.7	2113.4	2136.1	2198.8	2176.6	2143.3
18.5°	2105.2	2084.8	2109.9	2173.9	2151.7	2116.1
19°	2078.3	2055.4	2083.8	2148.0	2126.2	2087.7
19.5°	2051.7	2025.5	2056.6	2121.1	2100.1	2057.8
20°	2023.0	1995.1	2029.2	2093.4	2073.1	2027.2
20.5°	1995.4	1963.5	1999.3	2063.0	2046.0	1996.6
21°	1966.2	1932.9	1970.7	2034.9	2017.1	1964.7



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1878.3	1839.8	1879.8	1942.0	1926.5	1875.3
23°	1848.9	1807.9	1850.1	1912.1	1895.3	1844.0
23.5°	1819.3	1775.8	1820.5	1879.3	1865.5	1811.4
24°	1789.6	1742.5	1788.2	1846.4	1836.6	1779.8
24.5°	1760.0	1708.9	1755.8	1811.9	1806.7	1747.4
25°	1727.2	1674.8	1723.5	1779.8	1773.8	1714.6
25.5°	1693.6	1640.7	1690.1	1745.2	1741.7	1681.0
26°	1660.2	1605.4	1656.8	1709.9	1708.6	1646.9
26.5°	1626.9	1570.8	1623.4	1672.3	1676.5	1612.6
27°	1592.6	1534.5	1590.1	1638.5	1642.0	1578.0
27.5°	1557.8	1498.0	1554.8	1602.5	1608.4	1542.2
28°	1523.2	1461.2	1520.0	1565.7	1573.6	1506.1
28.5°	1487.9	1424.2	1485.4	1530.1	1539.2	1469.6
29°	1452.1	1386.9	1449.8	1495.0	1504.2	1433.3
29.5°	1416.0	1350.8	1414.3	1461.0	1470.3	1396.7
30°	1380.2	1316.2	1378.2	1426.1	1434.5	1360.0
30.5°	1344.9	1282.7	1342.7	1390.8	1399.2	1325.9
31°	1309.3	1246.4	1307.4	1354.5	1363.4	1292.3
31.5°	1276.2	1215.0	1272.3	1317.7	1328.6	1256.0
32°	1243.1	1186.6	1239.7	1280.9	1293.0	1224.1
32.5°	1208.6	1149.3	1207.1	1244.4	1258.0	1197.2
33°	1178.4	1113.7	1171.8	1208.3	1226.1	1166.1
33.5°	1150.5	1070.3	1143.6	1171.3	1192.8	1127.6
34°	1114.7	1025.8	1115.0	1134.7	1158.9	1089.5
34.5°	1081.6	982.9	1078.2	1098.4	1131.5	1046.1
35°	1040.9	940.4	1043.4	1062.9	1104.1	1002.9
35.5°	999.9	900.1	1001.9	1028.1	1069.8	960.4
36°	959.4	858.2	961.1	994.7	1036.4	919.1
36.5°	919.9	815.9	921.9	961.1	997.7	873.7
37°	880.6	773.7	881.6	929.5	957.4	833.0
37.5°	842.1	731.7	843.6	898.9	916.7	792.5
38°	803.6	689.5	805.3	872.5	873.5	751.7
38.5°	764.1	648.2	767.3	846.1	837.7	711.2
39°	724.1	608.0	729.2	819.6	801.6	669.7
39.5°	684.3	570.2	690.7	793.2	765.8	629.7
40°	645.0	533.7	651.2	766.8	729.7	591.2
40.5°	607.7	498.6	613.7	744.8	691.2	552.9
41°	571.4	463.0	576.4	725.8	653.2	517.1
41.5°	536.4	429.0	542.1	704.8	615.2	482.3
42°	502.0	394.6	508.0	685.5	578.9	447.7
42.5°	468.5	364.3	475.9	665.3	544.3	413.4
43°	435.6	333.9	443.5	634.4	510.9	380.8
43.5°	404.0	305.0	411.7	605.3	478.1	349.4



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	313.9	225.7	322.0	507.7	384.7	264.0
45.5°	285.7	201.5	294.1	478.1	354.6	237.6
46°	259.1	178.5	267.9	448.5	326.0	212.6
46.5°	235.3	156.3	243.0	419.1	298.1	188.9
47°	211.6	136.1	219.0	389.7	271.6	166.2
47.5°	188.2	117.3	195.3	362.8	246.5	144.7
48°	164.5	101.0	173.6	335.1	222.0	125.2
48.5°	144.0	86.7	153.4	308.7	198.3	107.9
49°	124.7	77.3	134.1	283.5	176.8	92.6
49.5°	107.2	67.9	116.6	259.3	155.8	82.5
50°	92.1	58.5	100.3	236.1	136.1	72.9
50.5°	78.8	49.1	85.7	214.4	117.5	63.0
51°	67.2	40.0	76.1	194.1	101.7	53.1
51.5°	57.0	32.8	66.4	174.8	87.4	43.5
52°	48.4	25.9	56.8	156.6	77.5	36.1
52.5°	40.7	19.3	46.9	139.8	67.7	29.1
53°	34.3	12.8	37.5	123.5	58.0	22.2
53.5°	27.9	8.4	30.4	108.4	48.2	15.6
54°	21.5	7.7	23.5	94.6	38.5	10.6
54.5°	15.1	7.2	17.0	82.0	31.4	9.4
55°	8.9	6.7	11.1	70.4	24.4	8.6
55.5°	6.7	6.2	9.9	62.0	17.8	7.7
56°	6.4	5.9	8.9	53.6	11.9	6.9
56.5°	6.2	5.7	7.7	45.4	7.7	6.7
57°	5.9	5.4	6.4	37.0	7.2	6.4
57.5°	5.7	5.2	5.2	28.6	6.9	6.2
58°	5.4	5.2	5.2	23.0	6.4	5.9
58.5°	5.4	4.9	4.9	18.3	5.9	5.7
59°	5.2	4.7	4.9	14.6	5.7	5.7
59.5°	4.9	4.7	4.7	11.9	5.7	5.4
60°	4.9	4.4	4.4	9.4	5.4	5.2
60.5°	4.7	4.2	4.4	8.4	5.2	4.9
61°	4.4	4.2	4.2	7.2	5.2	4.9
61.5°	4.4	4.0	4.2	5.9	4.9	4.7
62°	4.2	4.0	4.0	4.7	4.7	4.7
62.5°	4.2	3.7	4.0	4.4	4.7	4.4
63°	4.0	3.7	3.7	4.4	4.4	4.2
63.5°	3.7	3.5	3.7	4.2	4.4	4.2
64°	3.7	3.5	3.5	4.2	4.2	4.0
64.5°	3.5	3.2	3.5	4.0	4.0	4.0
65°	3.5	3.2	3.2	4.0	4.0	3.7
65.5°	3.2	3.0	3.2	3.7	3.7	3.7
66°	3.2	3.0	3.0	3.7	3.7	3.5



TEST NUMBER: P776101

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	3.0	2.5	2.7	3.2	3.2	3.2
68°	2.7	2.5	2.7	3.2	3.2	3.0
68.5°	2.7	2.5	2.5	3.0	3.0	3.0
69°	2.5	2.2	2.5	3.0	3.0	2.7
69.5°	2.5	2.2	2.5	2.7	3.0	2.7
70°	2.2	2.0	2.2	2.7	2.7	2.5
70.5°	2.2	2.0	2.2	2.7	2.7	2.5
71°	2.2	2.0	2.0	2.5	2.5	2.5
71.5°	2.0	1.7	2.0	2.5	2.5	2.2
72°	2.0	1.7	2.0	2.2	2.2	2.2
72.5°	1.7	1.7	1.7	2.2	2.2	2.0
73°	1.7	1.7	1.7	2.0	2.2	2.0
73.5°	1.7	1.5	1.7	2.0	2.0	2.0
74°	1.5	1.5	1.7	2.0	2.0	1.7
74.5°	1.5	1.5	1.5	1.7	2.0	1.7
75°	1.5	1.5	1.5	1.7	1.7	1.7
75.5°	1.5	1.2	1.5	1.5	1.7	1.5
76°	1.2	1.2	1.2	1.5	1.5	1.5
76.5°	1.2	1.2	1.2	1.5	1.5	1.5
77°	1.2	1.2	1.2	1.2	1.5	1.5
77.5°	1.0	1.0	1.2	1.2	1.2	1.2
78°	1.0	1.0	1.0	1.2	1.2	1.2
78.5°	1.0	1.0	1.0	1.0	1.2	1.2
79°	1.0	1.0	1.0	1.0	1.2	1.0
79.5°	0.7	0.7	1.0	1.0	1.0	1.0
80°	0.7	0.7	0.7	0.7	1.0	1.0
80.5°	0.7	0.7	0.7	0.7	1.0	1.0
81°	0.7	0.7	0.7	0.7	0.7	0.7
81.5°	0.5	0.7	0.7	0.7	0.7	0.7
82°	0.5	0.5	0.5	0.5	0.7	0.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.7
83°	0.5	0.5	0.5	0.5	0.5	0.5
83.5°	0.5	0.5	0.5	0.5	0.5	0.5
84°	0.2	0.5	0.5	0.2	0.5	0.5
84.5°	0.2	0.2	0.2	0.2	0.2	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2
85.5°	0.2	0.2	0.2	0.2	0.2	0.2
86°	0.2	0.2	0.2	0.2	0.2	0.2
86.5°	0.0	0.2	0.2	0.2	0.2	0.2
87°	0.0	0.0	0.0	0.0	0.0	0.2
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: P776101  
CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQC-2500lm-3000K

**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°	1934.6	2021.3	2102.5	2077.3	1995.1	2060.8	2125.5	2044.0	1977.1	1985.5	2016.1
22°	1905.0	1991.9	2074.9	2051.4	1966.7	2034.4	2098.1	2017.6	1949.4	1955.6	1985.5



44°	319.3	486.2	715.2	614.9	425.0	579.6	753.7	512.4	361.3	449.7	597.6
44.5°	290.9	452.4	685.5	577.9	392.9	544.3	728.3	478.8	330.4	417.8	564.0



66.5°	3.5	3.7	4.2	3.7	3.5	4.0	4.2	3.7	3.5	3.7	3.7
67°	3.2	3.7	4.0	3.7	3.2	3.7	4.2	3.7	3.5	3.5	3.5



89°	0.0	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	0.0



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

Scaled Data Report





21.5°	1936.8	1903.0	1940.3	2005.0	1987.5	1934.6
22°	1907.9	1872.4	1910.7	1974.6	1956.3	1905.0

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

Scaled Data Report



44°	372.9	276.6	380.1	573.2	447.0	319.3
44.5°	342.0	250.9	350.7	540.6	415.4	290.9

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

Scaled Data Report



66.5°	3.2	2.7	3.0	3.5	3.5	3.5
67°	3.0	2.7	3.0	3.5	3.5	3.2

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)