

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: P775974

Luminaire Tested: HCDJBS1525CSD-HCD42TRMW-2500lm-5000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156A001)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD42TRMW-2500lm-5000K
Description: 4 INCH ROUND NARROW MATTE WHITE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

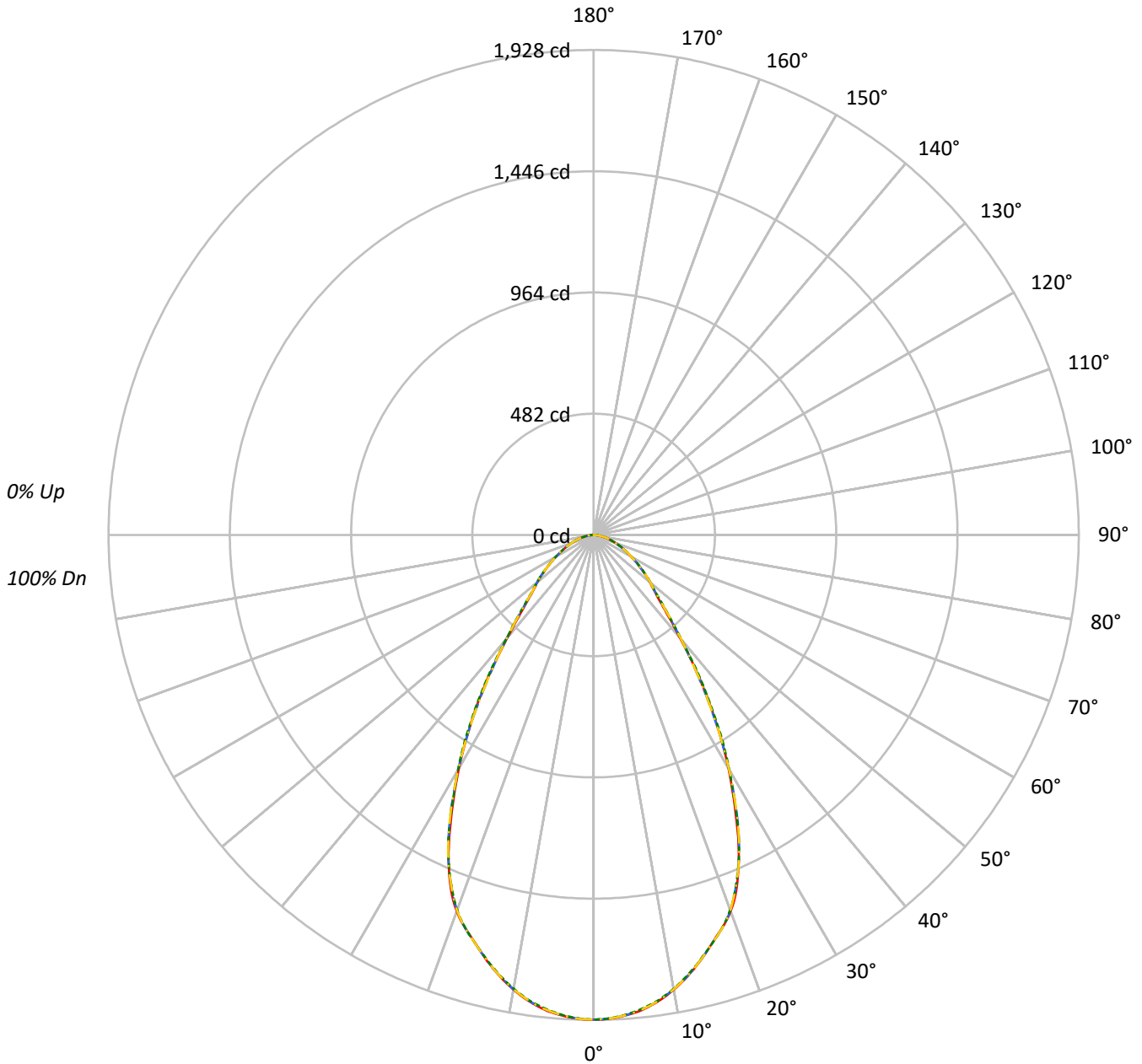
Lumens per Lamp: N/A
Luminaire Lumens: 2488.5 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.97 / 0.95
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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: P775974
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P775974

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMW-2500lm-5000K

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71					71			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53					53			
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49					49			
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	48	44	54	48	44	53	48	44	52	47	43	42					42			
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	242538	242538	242538	242538
5°	240824	240306	240824	240306
10°	234599	234075	234599	234075
15°	224228	223954	224228	223954
20°	213198	212434	213198	212434
25°	189224	189835	189224	189835
30°	155695	156508	155695	156508
35°	120787	122093	120787	122093
40°	87728	89256	87728	89256
45°	66422	68077	66422	68077
50°	57209	57659	57209	57659
55°	49719	50289	49719	50289
60°	43469	43846	43469	43846
65°	38206	38504	38206	38504
70°	33705	33889	33705	33889
75°	29612	29612	29612	29612
80°	25656	25438	25656	25438
85°	20504	20504	20504	20504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 68077 cd/sqm



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.5	7.2
10°-20°	483.4	19.4
20°-30°	619.1	24.9
30°-40°	490.6	19.7
40°-50°	300.4	12.1
50°-60°	205.3	8.3
60°-70°	128.5	5.2
70°-80°	65.1	2.6
80°-90°	16.4	0.7
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°	1282.1	51.5
0°-40°	1772.7	71.2
0°-60°	2278.4	91.6
0°-90°	2488.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2488.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1927	1927	1927	1927	1927	
5°	1906	1902	1906	1902	1906	180
15°	1721	1719	1721	1719	1721	484
25°	1363	1367	1363	1367	1363	618
35°	786	795	786	795	786	490
45°	373	382	373	382	373	297
55°	227	229	227	229	227	204
65°	128	129	128	129	128	128
75°	61	61	61	61	61	65
85°	14	14	14	14	14	16
90°	0	1	0	1	0	



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2
0.5°	1927.5	1927.2	1926.7	1926.4	1925.6	1926.4	1926.7	1927.2	1927.5	1927.2	1926.7
1°	1926.7	1926.4	1926.2	1925.9	1924.9	1925.9	1926.2	1926.4	1926.7	1926.4	1926.2
1.5°	1925.6	1925.1	1925.1	1924.6	1923.8	1924.6	1925.1	1925.1	1925.6	1925.1	1925.1
2°	1924.1	1923.8	1923.3	1923.1	1922.0	1923.1	1923.3	1923.8	1924.1	1923.8	1923.3
2.5°	1922.3	1921.8	1921.3	1921.0	1919.7	1921.0	1921.3	1921.8	1922.3	1921.8	1921.3
3°	1919.7	1919.2	1918.7	1918.2	1916.9	1918.2	1918.7	1919.2	1919.7	1919.2	1918.7
3.5°	1916.9	1916.4	1915.6	1915.1	1914.3	1915.1	1915.6	1916.4	1916.9	1916.4	1915.6
4°	1913.5	1913.3	1912.2	1911.7	1910.4	1911.7	1912.2	1913.3	1913.5	1913.3	1912.2
4.5°	1909.9	1909.4	1908.4	1907.8	1906.3	1907.8	1908.4	1909.4	1909.9	1909.4	1908.4
5°	1906.3	1905.5	1904.5	1904.0	1902.2	1904.0	1904.5	1905.5	1906.3	1905.5	1904.5
5.5°	1902.4	1900.6	1899.3	1898.8	1897.3	1898.8	1899.3	1900.6	1902.4	1900.6	1899.3
6°	1896.5	1895.4	1894.2	1893.4	1891.3	1893.4	1894.2	1895.4	1896.5	1895.4	1894.2
6.5°	1890.5	1889.8	1888.2	1887.4	1885.4	1887.4	1888.2	1889.8	1890.5	1889.8	1888.2
7°	1884.3	1883.3	1882.5	1881.3	1879.4	1881.3	1882.5	1883.3	1884.3	1883.3	1882.5
7.5°	1877.4	1876.3	1875.3	1874.8	1873.0	1874.8	1875.3	1876.3	1877.4	1876.3	1875.3
8°	1869.9	1869.1	1868.1	1867.3	1866.3	1867.3	1868.1	1869.1	1869.9	1869.1	1868.1
8.5°	1862.2	1861.1	1860.1	1859.3	1858.3	1859.3	1860.1	1861.1	1862.2	1861.1	1860.1
9°	1853.9	1853.1	1851.8	1851.1	1850.0	1851.1	1851.8	1853.1	1853.9	1853.1	1851.8
9.5°	1844.9	1844.3	1843.1	1842.3	1841.2	1842.3	1843.1	1844.3	1844.9	1844.3	1843.1
10°	1835.8	1835.1	1834.0	1833.0	1831.7	1833.0	1834.0	1835.1	1835.8	1835.1	1834.0
10.5°	1825.8	1825.2	1824.0	1823.2	1822.1	1823.2	1824.0	1825.2	1825.8	1825.2	1824.0
11°	1815.7	1815.2	1814.1	1813.1	1811.8	1813.1	1814.1	1815.2	1815.7	1815.2	1814.1
11.5°	1805.1	1804.6	1803.6	1802.5	1801.5	1802.5	1803.6	1804.6	1805.1	1804.6	1803.6
12°	1794.3	1793.8	1793.0	1791.7	1790.7	1791.7	1793.0	1793.8	1794.3	1793.8	1793.0
12.5°	1782.9	1782.4	1781.6	1780.3	1779.0	1780.3	1781.6	1782.4	1782.9	1782.4	1781.6
13°	1771.3	1770.8	1770.0	1769.0	1767.7	1769.0	1770.0	1770.8	1771.3	1770.8	1770.0
13.5°	1759.2	1758.7	1758.1	1757.1	1756.1	1757.1	1758.1	1758.7	1759.2	1758.7	1758.1
14°	1746.8	1746.5	1746.0	1745.0	1743.9	1745.0	1746.0	1746.5	1746.8	1746.5	1746.0
14.5°	1733.9	1733.6	1733.4	1732.3	1731.3	1732.3	1733.4	1733.6	1733.9	1733.6	1733.4
15°	1721.0	1721.0	1720.5	1719.9	1718.9	1719.9	1720.5	1721.0	1721.0	1721.0	1720.5
15.5°	1707.6	1707.6	1708.1	1707.6	1707.0	1707.6	1708.1	1707.6	1707.6	1707.6	1708.1
16°	1694.6	1694.9	1695.7	1695.4	1694.9	1695.4	1695.7	1694.9	1694.6	1694.9	1695.7
16.5°	1681.7	1682.3	1683.3	1683.3	1683.0	1683.3	1683.3	1682.3	1681.7	1682.3	1683.3
17°	1669.6	1670.1	1671.2	1670.9	1671.2	1670.9	1671.2	1670.1	1669.6	1670.1	1671.2
17.5°	1657.7	1658.3	1659.0	1658.8	1658.5	1658.8	1659.0	1658.3	1657.7	1658.3	1659.0
18°	1646.1	1646.4	1646.9	1646.4	1645.9	1646.4	1646.9	1646.4	1646.1	1646.4	1646.9
18.5°	1633.7	1633.7	1633.7	1633.2	1632.4	1633.2	1633.7	1633.7	1633.7	1633.7	1633.7
19°	1621.1	1620.3	1619.8	1619.0	1618.3	1619.0	1619.8	1620.3	1621.1	1620.3	1619.8
19.5°	1607.2	1606.1	1604.6	1604.1	1603.3	1604.1	1604.6	1606.1	1607.2	1606.1	1604.6
20°	1591.9	1590.6	1587.8	1588.1	1586.2	1588.1	1587.8	1590.6	1591.9	1590.6	1587.8
20.5°	1575.2	1573.1	1569.7	1570.8	1568.7	1570.8	1569.7	1573.1	1575.2	1573.1	1569.7
21°	1557.6	1554.5	1550.6	1551.9	1549.3	1551.9	1550.6	1554.5	1557.6	1554.5	1550.6



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1493.3	1490.2	1487.7	1487.4	1486.1	1487.4	1487.7	1490.2	1493.3	1490.2	1487.7
23°	1468.8	1466.2	1465.7	1463.9	1463.4	1463.9	1465.7	1466.2	1468.8	1466.2	1465.7
23.5°	1443.8	1441.5	1442.7	1439.7	1440.9	1439.7	1442.7	1441.5	1443.8	1441.5	1442.7
24°	1417.7	1415.9	1419.0	1414.9	1417.2	1414.9	1419.0	1415.9	1417.7	1415.9	1419.0
24.5°	1390.9	1390.1	1394.0	1389.8	1392.9	1389.8	1394.0	1390.1	1390.9	1390.1	1394.0
25°	1362.7	1363.3	1367.9	1364.8	1367.1	1364.8	1367.9	1363.3	1362.7	1363.3	1367.9
25.5°	1333.6	1336.9	1341.1	1339.8	1340.3	1339.8	1341.1	1336.9	1333.6	1336.9	1341.1
26°	1303.6	1309.6	1313.4	1313.7	1311.6	1313.7	1313.4	1309.6	1303.6	1309.6	1313.4
26.5°	1272.9	1281.7	1284.8	1286.6	1282.0	1286.6	1284.8	1281.7	1272.9	1281.7	1284.8
27°	1243.0	1252.8	1255.9	1258.7	1251.8	1258.7	1255.9	1252.8	1243.0	1252.8	1255.9
27.5°	1213.6	1222.9	1226.5	1230.1	1221.0	1230.1	1226.5	1222.9	1213.6	1222.9	1226.5
28°	1184.1	1192.9	1196.5	1200.1	1190.3	1200.1	1196.5	1192.9	1184.1	1192.9	1196.5
28.5°	1155.5	1162.5	1166.6	1169.7	1160.7	1169.7	1166.6	1162.5	1155.5	1162.5	1166.6
29°	1127.1	1131.7	1136.6	1138.7	1132.5	1138.7	1136.6	1131.7	1127.1	1131.7	1136.6
29.5°	1099.2	1101.5	1107.0	1107.7	1104.9	1107.7	1107.0	1101.5	1099.2	1101.5	1107.0
30°	1071.4	1070.6	1076.5	1076.8	1077.0	1076.8	1076.5	1070.6	1071.4	1070.6	1076.5
30.5°	1042.4	1040.6	1046.3	1046.8	1050.7	1046.8	1046.3	1040.6	1042.4	1040.6	1046.3
31°	1013.8	1009.9	1015.9	1016.9	1022.8	1016.9	1015.9	1009.9	1013.8	1009.9	1015.9
31.5°	984.4	980.5	985.4	987.2	994.7	987.2	985.4	980.5	984.4	980.5	985.4
32°	954.4	950.8	955.2	958.0	965.8	958.0	955.2	950.8	954.4	950.8	955.2
32.5°	925.5	922.4	925.5	929.1	936.9	929.1	925.5	922.4	925.5	922.4	925.5
33°	896.4	894.0	895.1	900.2	907.5	900.2	895.1	894.0	896.4	894.0	895.1
33.5°	870.3	865.6	864.9	871.3	877.8	871.3	864.9	865.6	870.3	865.6	864.9
34°	842.2	837.3	834.9	842.9	849.6	842.9	834.9	837.3	842.2	837.3	834.9
34.5°	814.3	809.1	805.8	814.3	821.8	814.3	805.8	809.1	814.3	809.1	805.8
35°	786.2	781.8	778.2	786.7	794.7	786.7	778.2	781.8	786.2	781.8	778.2
35.5°	758.8	754.7	750.8	759.3	768.1	759.3	750.8	754.7	758.8	754.7	750.8
36°	732.0	727.6	724.2	733.0	742.0	733.0	724.2	727.6	732.0	727.6	724.2
36.5°	705.4	701.5	698.4	706.9	715.4	706.9	698.4	701.5	705.4	701.5	698.4
37°	678.5	675.7	673.1	681.6	689.1	681.6	673.1	675.7	678.5	675.7	673.1
37.5°	652.5	650.7	648.8	657.4	662.8	657.4	648.8	650.7	652.5	650.7	648.8
38°	626.7	626.4	625.6	633.6	636.7	633.6	625.6	626.4	626.7	626.4	625.6
38.5°	602.4	602.9	603.4	610.4	611.7	610.4	603.4	602.9	602.4	602.9	603.4
39°	578.9	580.2	581.2	587.9	587.7	587.9	581.2	580.2	578.9	580.2	581.2
39.5°	555.9	558.3	560.1	565.7	565.0	565.7	560.1	558.3	555.9	558.3	560.1
40°	534.0	536.6	539.7	544.3	543.3	544.3	539.7	536.6	534.0	536.6	539.7
40.5°	513.4	515.9	520.1	523.4	523.2	523.4	520.1	515.9	513.4	515.9	520.1
41°	493.5	496.1	501.5	503.8	504.6	503.8	501.5	496.1	493.5	496.1	501.5
41.5°	474.6	477.5	483.7	485.0	487.3	485.0	483.7	477.5	474.6	477.5	483.7
42°	457.1	459.9	466.6	467.4	470.5	467.4	466.6	459.9	457.1	459.9	466.6
42.5°	440.6	443.4	450.6	450.9	454.2	450.9	450.6	443.4	440.6	443.4	450.6
43°	424.8	427.9	434.9	435.4	438.5	435.4	434.9	427.9	424.8	427.9	434.9
43.5°	410.4	413.5	420.2	420.4	423.3	420.4	420.2	413.5	410.4	413.5	420.2



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	373.2	375.8	379.9	381.2	382.5	381.2	379.9	375.8	373.2	375.8	379.9
45.5°	362.4	364.4	368.3	369.6	370.6	369.6	368.3	364.4	362.4	364.4	368.3
46°	352.0	353.8	357.2	359.0	359.5	359.0	357.2	353.8	352.0	353.8	357.2
46.5°	342.5	344.0	346.6	348.7	349.2	348.7	346.6	344.0	342.5	344.0	346.6
47°	333.5	334.5	337.1	339.1	339.9	339.1	337.1	334.5	333.5	334.5	337.1
47.5°	324.9	325.7	328.0	330.4	331.4	330.4	328.0	325.7	324.9	325.7	328.0
48°	316.9	318.0	320.3	322.4	323.4	322.4	320.3	318.0	316.9	318.0	320.3
48.5°	310.5	311.0	312.8	314.9	315.6	314.9	312.8	311.0	310.5	311.0	312.8
49°	304.3	304.6	306.1	307.6	308.4	307.6	306.1	304.6	304.3	304.6	306.1
49.5°	298.4	298.6	299.6	300.9	301.2	300.9	299.6	298.6	298.4	298.6	299.6
50°	292.2	292.4	293.2	294.2	294.5	294.2	293.2	292.4	292.2	292.4	293.2
50.5°	286.0	286.2	286.7	287.8	287.8	287.8	286.7	286.2	286.0	286.2	286.7
51°	279.0	279.5	280.3	281.3	281.3	281.3	280.3	279.5	279.0	279.5	280.3
51.5°	272.3	272.5	273.6	274.9	275.1	274.9	273.6	272.5	272.3	272.5	273.6
52°	265.3	265.8	266.9	268.2	268.4	268.2	266.9	265.8	265.3	265.8	266.9
52.5°	258.4	258.9	260.2	261.2	261.7	261.2	260.2	258.9	258.4	258.9	260.2
53°	251.9	252.4	253.4	254.5	255.0	254.5	253.4	252.4	251.9	252.4	253.4
53.5°	245.2	245.7	246.7	248.0	248.5	248.0	246.7	245.7	245.2	245.7	246.7
54°	239.0	239.3	240.3	241.3	241.8	241.3	240.3	239.3	239.0	239.3	240.3
54.5°	232.8	233.1	234.1	235.1	235.6	235.1	234.1	233.1	232.8	233.1	234.1
55°	226.6	227.1	228.2	228.9	229.2	228.9	228.2	227.1	226.6	227.1	228.2
55.5°	220.7	221.2	222.2	223.0	223.3	223.0	222.2	221.2	220.7	221.2	222.2
56°	215.0	215.5	216.3	217.1	217.3	217.1	216.3	215.5	215.0	215.5	216.3
56.5°	209.3	209.8	210.6	211.4	211.6	211.4	210.6	209.8	209.3	209.8	210.6
57°	203.6	204.2	204.9	205.7	206.0	205.7	204.9	204.2	203.6	204.2	204.9
57.5°	198.0	198.7	199.5	200.0	200.5	200.0	199.5	198.7	198.0	198.7	199.5
58°	193.1	193.3	194.1	194.9	195.1	194.9	194.1	193.3	193.1	193.3	194.1
58.5°	187.9	188.2	188.9	189.4	189.7	189.4	188.9	188.2	187.9	188.2	188.9
59°	182.7	183.0	183.5	184.0	184.5	184.0	183.5	183.0	182.7	183.0	183.5
59.5°	177.6	177.8	178.3	179.1	179.4	179.1	178.3	177.8	177.6	177.8	178.3
60°	172.7	172.9	173.4	174.0	174.2	174.0	173.4	172.9	172.7	172.9	173.4
60.5°	167.8	168.0	168.5	169.1	169.3	169.1	168.5	168.0	167.8	168.0	168.5
61°	163.1	163.4	163.9	164.4	164.7	164.4	163.9	163.4	163.1	163.4	163.9
61.5°	158.5	158.7	159.2	159.8	160.0	159.8	159.2	158.7	158.5	158.7	159.2
62°	154.1	154.1	154.6	155.1	155.1	155.1	154.6	154.1	154.1	154.1	154.6
62.5°	149.4	149.7	150.0	150.5	150.7	150.5	150.0	149.7	149.4	149.7	150.0
63°	145.0	145.3	145.6	146.1	146.1	146.1	145.6	145.3	145.0	145.3	145.6
63.5°	140.7	140.9	141.2	141.7	142.0	141.7	141.2	140.9	140.7	140.9	141.2
64°	136.5	136.8	137.0	137.3	137.6	137.3	137.0	136.8	136.5	136.8	137.0
64.5°	132.4	132.7	132.9	133.2	133.4	133.2	132.9	132.7	132.4	132.7	132.9
65°	128.3	128.5	128.8	129.0	129.3	129.0	128.8	128.5	128.3	128.5	128.8
65.5°	124.4	124.4	124.7	125.2	125.2	125.2	124.7	124.4	124.4	124.4	124.7
66°	120.3	120.5	120.8	121.0	121.3	121.0	120.8	120.5	120.3	120.5	120.8



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	108.9	109.2	109.4	109.7	109.7	109.7	109.4	109.2	108.9	109.2	109.4
68°	105.3	105.6	105.8	106.1	106.1	106.1	105.8	105.6	105.3	105.6	105.8
68.5°	101.7	101.9	102.2	102.2	102.5	102.2	102.2	101.9	101.7	101.9	102.2
69°	98.3	98.3	98.3	98.9	98.9	98.9	98.3	98.3	98.3	98.3	98.3
69.5°	94.7	95.0	95.0	95.2	95.5	95.2	95.0	95.0	94.7	95.0	95.0
70°	91.6	91.9	91.6	91.9	92.1	91.9	91.6	91.9	91.6	91.9	91.6
70.5°	88.3	88.5	88.5	88.5	88.8	88.5	88.5	88.5	88.3	88.5	88.5
71°	85.2	85.2	85.2	85.2	85.4	85.2	85.2	85.2	85.2	85.2	85.2
71.5°	81.8	81.8	82.1	82.1	82.1	82.1	82.1	81.8	81.8	81.8	82.1
72°	78.7	78.7	78.7	79.0	79.0	79.0	78.7	78.7	78.7	78.7	78.7
72.5°	75.6	75.6	75.6	75.9	75.9	75.9	75.6	75.6	75.6	75.6	75.6
73°	72.5	72.5	72.5	72.8	72.8	72.8	72.5	72.5	72.5	72.5	72.5
73.5°	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.4	69.4	69.4	69.7
74°	66.6	66.6	66.6	66.8	66.8	66.8	66.6	66.6	66.6	66.6	66.6
74.5°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
75°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
75.5°	58.1	58.1	58.1	58.1	58.3	58.1	58.1	58.1	58.1	58.1	58.1
76°	55.5	55.2	55.2	55.5	55.5	55.5	55.2	55.2	55.5	55.2	55.2
76.5°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
77°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
77.5°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
78°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
78.5°	42.6	42.6	42.3	42.3	42.6	42.3	42.3	42.6	42.6	42.6	42.3
79°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
79.5°	37.7	37.7	37.4	37.7	37.7	37.7	37.4	37.7	37.7	37.7	37.4
80°	35.4	35.4	35.1	35.1	35.1	35.1	35.1	35.4	35.4	35.4	35.1
80.5°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
81°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
81.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
82°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
82.5°	24.3	24.3	24.3	24.3	24.0	24.3	24.3	24.3	24.3	24.3	24.3
83°	22.2	22.2	22.2	21.9	21.9	21.9	22.2	22.2	22.2	22.2	22.2
83.5°	20.1	20.1	20.1	19.9	19.9	19.9	20.1	20.1	20.1	20.1	20.1
84°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
84.5°	16.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.3	16.0	16.0
85°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
85.5°	12.4	12.1	12.4	12.1	12.4	12.1	12.4	12.1	12.4	12.1	12.4
86°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
86.5°	8.8	8.5	8.5	8.5	8.8	8.5	8.5	8.5	8.8	8.5	8.5
87°	7.0	7.0	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0
87.5°	5.2	5.2	5.2	5.2	5.4	5.2	5.2	5.2	5.2	5.2	5.2
88°	3.4	3.6	3.6	3.9	3.9	3.9	3.6	3.6	3.4	3.6	3.6
88.5°	2.1	2.1	2.3	2.6	3.1	2.6	2.3	2.1	2.1	2.1	2.3



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-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	0.3	0.5	0.8	0.5	0.3	0.0	0.0	0.0	0.3



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1927.2	1927.2	1927.2	1927.2	1927.2	1927.2
0.5°	1926.4	1925.6	1926.4	1926.7	1927.2	1927.5
1°	1925.9	1924.9	1925.9	1926.2	1926.4	1926.7
1.5°	1924.6	1923.8	1924.6	1925.1	1925.1	1925.6
2°	1923.1	1922.0	1923.1	1923.3	1923.8	1924.1
2.5°	1921.0	1919.7	1921.0	1921.3	1921.8	1922.3
3°	1918.2	1916.9	1918.2	1918.7	1919.2	1919.7
3.5°	1915.1	1914.3	1915.1	1915.6	1916.4	1916.9
4°	1911.7	1910.4	1911.7	1912.2	1913.3	1913.5
4.5°	1907.8	1906.3	1907.8	1908.4	1909.4	1909.9
5°	1904.0	1902.2	1904.0	1904.5	1905.5	1906.3
5.5°	1898.8	1897.3	1898.8	1899.3	1900.6	1902.4
6°	1893.4	1891.3	1893.4	1894.2	1895.4	1896.5
6.5°	1887.4	1885.4	1887.4	1888.2	1889.8	1890.5
7°	1881.3	1879.4	1881.3	1882.5	1883.3	1884.3
7.5°	1874.8	1873.0	1874.8	1875.3	1876.3	1877.4
8°	1867.3	1866.3	1867.3	1868.1	1869.1	1869.9
8.5°	1859.3	1858.3	1859.3	1860.1	1861.1	1862.2
9°	1851.1	1850.0	1851.1	1851.8	1853.1	1853.9
9.5°	1842.3	1841.2	1842.3	1843.1	1844.3	1844.9
10°	1833.0	1831.7	1833.0	1834.0	1835.1	1835.8
10.5°	1823.2	1822.1	1823.2	1824.0	1825.2	1825.8
11°	1813.1	1811.8	1813.1	1814.1	1815.2	1815.7
11.5°	1802.5	1801.5	1802.5	1803.6	1804.6	1805.1
12°	1791.7	1790.7	1791.7	1793.0	1793.8	1794.3
12.5°	1780.3	1779.0	1780.3	1781.6	1782.4	1782.9
13°	1769.0	1767.7	1769.0	1770.0	1770.8	1771.3
13.5°	1757.1	1756.1	1757.1	1758.1	1758.7	1759.2
14°	1745.0	1743.9	1745.0	1746.0	1746.5	1746.8
14.5°	1732.3	1731.3	1732.3	1733.4	1733.6	1733.9
15°	1719.9	1718.9	1719.9	1720.5	1721.0	1721.0
15.5°	1707.6	1707.0	1707.6	1708.1	1707.6	1707.6
16°	1695.4	1694.9	1695.4	1695.7	1694.9	1694.6
16.5°	1683.3	1683.0	1683.3	1683.3	1682.3	1681.7
17°	1670.9	1671.2	1670.9	1671.2	1670.1	1669.6
17.5°	1658.8	1658.5	1658.8	1659.0	1658.3	1657.7
18°	1646.4	1645.9	1646.4	1646.9	1646.4	1646.1
18.5°	1633.2	1632.4	1633.2	1633.7	1633.7	1633.7
19°	1619.0	1618.3	1619.0	1619.8	1620.3	1621.1
19.5°	1604.1	1603.3	1604.1	1604.6	1606.1	1607.2
20°	1588.1	1586.2	1588.1	1587.8	1590.6	1591.9
20.5°	1570.8	1568.7	1570.8	1569.7	1573.1	1575.2
21°	1551.9	1549.3	1551.9	1550.6	1554.5	1557.6

TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1487.4	1486.1	1487.4	1487.7	1490.2	1493.3
23°	1463.9	1463.4	1463.9	1465.7	1466.2	1468.8
23.5°	1439.7	1440.9	1439.7	1442.7	1441.5	1443.8
24°	1414.9	1417.2	1414.9	1419.0	1415.9	1417.7
24.5°	1389.8	1392.9	1389.8	1394.0	1390.1	1390.9
25°	1364.8	1367.1	1364.8	1367.9	1363.3	1362.7
25.5°	1339.8	1340.3	1339.8	1341.1	1336.9	1333.6
26°	1313.7	1311.6	1313.7	1313.4	1309.6	1303.6
26.5°	1286.6	1282.0	1286.6	1284.8	1281.7	1272.9
27°	1258.7	1251.8	1258.7	1255.9	1252.8	1243.0
27.5°	1230.1	1221.0	1230.1	1226.5	1222.9	1213.6
28°	1200.1	1190.3	1200.1	1196.5	1192.9	1184.1
28.5°	1169.7	1160.7	1169.7	1166.6	1162.5	1155.5
29°	1138.7	1132.5	1138.7	1136.6	1131.7	1127.1
29.5°	1107.7	1104.9	1107.7	1107.0	1101.5	1099.2
30°	1076.8	1077.0	1076.8	1076.5	1070.6	1071.4
30.5°	1046.8	1050.7	1046.8	1046.3	1040.6	1042.4
31°	1016.9	1022.8	1016.9	1015.9	1009.9	1013.8
31.5°	987.2	994.7	987.2	985.4	980.5	984.4
32°	958.0	965.8	958.0	955.2	950.8	954.4
32.5°	929.1	936.9	929.1	925.5	922.4	925.5
33°	900.2	907.5	900.2	895.1	894.0	896.4
33.5°	871.3	877.8	871.3	864.9	865.6	870.3
34°	842.9	849.6	842.9	834.9	837.3	842.2
34.5°	814.3	821.8	814.3	805.8	809.1	814.3
35°	786.7	794.7	786.7	778.2	781.8	786.2
35.5°	759.3	768.1	759.3	750.8	754.7	758.8
36°	733.0	742.0	733.0	724.2	727.6	732.0
36.5°	706.9	715.4	706.9	698.4	701.5	705.4
37°	681.6	689.1	681.6	673.1	675.7	678.5
37.5°	657.4	662.8	657.4	648.8	650.7	652.5
38°	633.6	636.7	633.6	625.6	626.4	626.7
38.5°	610.4	611.7	610.4	603.4	602.9	602.4
39°	587.9	587.7	587.9	581.2	580.2	578.9
39.5°	565.7	565.0	565.7	560.1	558.3	555.9
40°	544.3	543.3	544.3	539.7	536.6	534.0
40.5°	523.4	523.2	523.4	520.1	515.9	513.4
41°	503.8	504.6	503.8	501.5	496.1	493.5
41.5°	485.0	487.3	485.0	483.7	477.5	474.6
42°	467.4	470.5	467.4	466.6	459.9	457.1
42.5°	450.9	454.2	450.9	450.6	443.4	440.6
43°	435.4	438.5	435.4	434.9	427.9	424.8
43.5°	420.4	423.3	420.4	420.2	413.5	410.4



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	381.2	382.5	381.2	379.9	375.8	373.2
45.5°	369.6	370.6	369.6	368.3	364.4	362.4
46°	359.0	359.5	359.0	357.2	353.8	352.0
46.5°	348.7	349.2	348.7	346.6	344.0	342.5
47°	339.1	339.9	339.1	337.1	334.5	333.5
47.5°	330.4	331.4	330.4	328.0	325.7	324.9
48°	322.4	323.4	322.4	320.3	318.0	316.9
48.5°	314.9	315.6	314.9	312.8	311.0	310.5
49°	307.6	308.4	307.6	306.1	304.6	304.3
49.5°	300.9	301.2	300.9	299.6	298.6	298.4
50°	294.2	294.5	294.2	293.2	292.4	292.2
50.5°	287.8	287.8	287.8	286.7	286.2	286.0
51°	281.3	281.3	281.3	280.3	279.5	279.0
51.5°	274.9	275.1	274.9	273.6	272.5	272.3
52°	268.2	268.4	268.2	266.9	265.8	265.3
52.5°	261.2	261.7	261.2	260.2	258.9	258.4
53°	254.5	255.0	254.5	253.4	252.4	251.9
53.5°	248.0	248.5	248.0	246.7	245.7	245.2
54°	241.3	241.8	241.3	240.3	239.3	239.0
54.5°	235.1	235.6	235.1	234.1	233.1	232.8
55°	228.9	229.2	228.9	228.2	227.1	226.6
55.5°	223.0	223.3	223.0	222.2	221.2	220.7
56°	217.1	217.3	217.1	216.3	215.5	215.0
56.5°	211.4	211.6	211.4	210.6	209.8	209.3
57°	205.7	206.0	205.7	204.9	204.2	203.6
57.5°	200.0	200.5	200.0	199.5	198.7	198.0
58°	194.9	195.1	194.9	194.1	193.3	193.1
58.5°	189.4	189.7	189.4	188.9	188.2	187.9
59°	184.0	184.5	184.0	183.5	183.0	182.7
59.5°	179.1	179.4	179.1	178.3	177.8	177.6
60°	174.0	174.2	174.0	173.4	172.9	172.7
60.5°	169.1	169.3	169.1	168.5	168.0	167.8
61°	164.4	164.7	164.4	163.9	163.4	163.1
61.5°	159.8	160.0	159.8	159.2	158.7	158.5
62°	155.1	155.1	155.1	154.6	154.1	154.1
62.5°	150.5	150.7	150.5	150.0	149.7	149.4
63°	146.1	146.1	146.1	145.6	145.3	145.0
63.5°	141.7	142.0	141.7	141.2	140.9	140.7
64°	137.3	137.6	137.3	137.0	136.8	136.5
64.5°	133.2	133.4	133.2	132.9	132.7	132.4
65°	129.0	129.3	129.0	128.8	128.5	128.3
65.5°	125.2	125.2	125.2	124.7	124.4	124.4
66°	121.0	121.3	121.0	120.8	120.5	120.3



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	109.7	109.7	109.7	109.4	109.2	108.9
68°	106.1	106.1	106.1	105.8	105.6	105.3
68.5°	102.2	102.5	102.2	102.2	101.9	101.7
69°	98.9	98.9	98.9	98.3	98.3	98.3
69.5°	95.2	95.5	95.2	95.0	95.0	94.7
70°	91.9	92.1	91.9	91.6	91.9	91.6
70.5°	88.5	88.8	88.5	88.5	88.5	88.3
71°	85.2	85.4	85.2	85.2	85.2	85.2
71.5°	82.1	82.1	82.1	82.1	81.8	81.8
72°	79.0	79.0	79.0	78.7	78.7	78.7
72.5°	75.9	75.9	75.9	75.6	75.6	75.6
73°	72.8	72.8	72.8	72.5	72.5	72.5
73.5°	69.7	69.7	69.7	69.7	69.4	69.4
74°	66.8	66.8	66.8	66.6	66.6	66.6
74.5°	63.7	63.7	63.7	63.7	63.7	63.7
75°	60.9	60.9	60.9	60.9	60.9	60.9
75.5°	58.1	58.3	58.1	58.1	58.1	58.1
76°	55.5	55.5	55.5	55.2	55.2	55.5
76.5°	52.7	52.7	52.7	52.7	52.7	52.7
77°	50.1	50.1	50.1	50.1	50.1	50.1
77.5°	47.5	47.5	47.5	47.5	47.5	47.5
78°	44.9	44.9	44.9	44.9	44.9	44.9
78.5°	42.3	42.6	42.3	42.3	42.6	42.6
79°	40.0	40.0	40.0	40.0	40.0	40.0
79.5°	37.7	37.7	37.7	37.4	37.7	37.7
80°	35.1	35.1	35.1	35.1	35.4	35.4
80.5°	33.0	33.0	33.0	33.0	33.0	33.0
81°	30.7	30.7	30.7	30.7	30.7	30.7
81.5°	28.4	28.4	28.4	28.4	28.4	28.4
82°	26.3	26.3	26.3	26.3	26.3	26.3
82.5°	24.3	24.0	24.3	24.3	24.3	24.3
83°	21.9	21.9	21.9	22.2	22.2	22.2
83.5°	19.9	19.9	19.9	20.1	20.1	20.1
84°	18.1	18.1	18.1	18.1	18.1	18.1
84.5°	16.0	16.0	16.0	16.0	16.0	16.3
85°	14.2	14.2	14.2	14.2	14.2	14.2
85.5°	12.1	12.4	12.1	12.4	12.1	12.4
86°	10.3	10.3	10.3	10.3	10.3	10.3
86.5°	8.5	8.8	8.5	8.5	8.5	8.8
87°	6.7	7.0	6.7	7.0	7.0	7.0
87.5°	5.2	5.4	5.2	5.2	5.2	5.2
88°	3.9	3.9	3.9	3.6	3.6	3.4
88.5°	2.6	3.1	2.6	2.3	2.1	2.1



TEST NUMBER: P775974

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.5	0.8	0.5	0.3	0.0	0.0



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°	1537.2	1534.6	1530.2	1531.5	1529.0	1531.5	1530.2	1534.6	1537.2	1534.6	1530.2
22°	1515.8	1513.2	1509.3	1509.9	1507.3	1509.9	1509.3	1513.2	1515.8	1513.2	1509.3



44°	396.9	400.0	406.0	406.5	409.1	406.5	406.0	400.0	396.9	400.0	406.0
44.5°	384.6	387.7	392.8	393.6	395.4	393.6	392.8	387.7	384.6	387.7	392.8



66.5°	116.4	116.7	116.9	117.2	117.4	117.2	116.9	116.7	116.4	116.7	116.9
67°	112.8	112.8	113.0	113.3	113.6	113.3	113.0	112.8	112.8	112.8	113.0



89°	0.8	1.0	1.5	1.8	2.1	1.8	1.5	1.0	0.8	1.0	1.5
89.5°	0.0	0.3	0.8	1.0	1.3	1.0	0.8	0.3	0.0	0.3	0.8

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

Scaled Data Report





21.5°	1531.5	1529.0	1531.5	1530.2	1534.6	1537.2
22°	1509.9	1507.3	1509.9	1509.3	1513.2	1515.8



44°	406.5	409.1	406.5	406.0	400.0	396.9
44.5°	393.6	395.4	393.6	392.8	387.7	384.6

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

Scaled Data Report



66.5°	117.2	117.4	117.2	116.9	116.7	116.4
67°	113.3	113.6	113.3	113.0	112.8	112.8



89°	1.8	2.1	1.8	1.5	1.0	0.8
89.5°	1.0	1.3	1.0	0.8	0.3	0.0

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

Scaled Data Report



(END OF REPORT)