

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: P776071

Luminaire Tested: HCDJBS1525CSD-HCD62TRMW-2500lm-3000K

Issue Date: 2/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B057-HCD62TRMW)  
Test Lab:  
Issue Date: 2/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K  
Description: 6 INCH ROUND NARROW MATTE WHITE TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2739.9 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

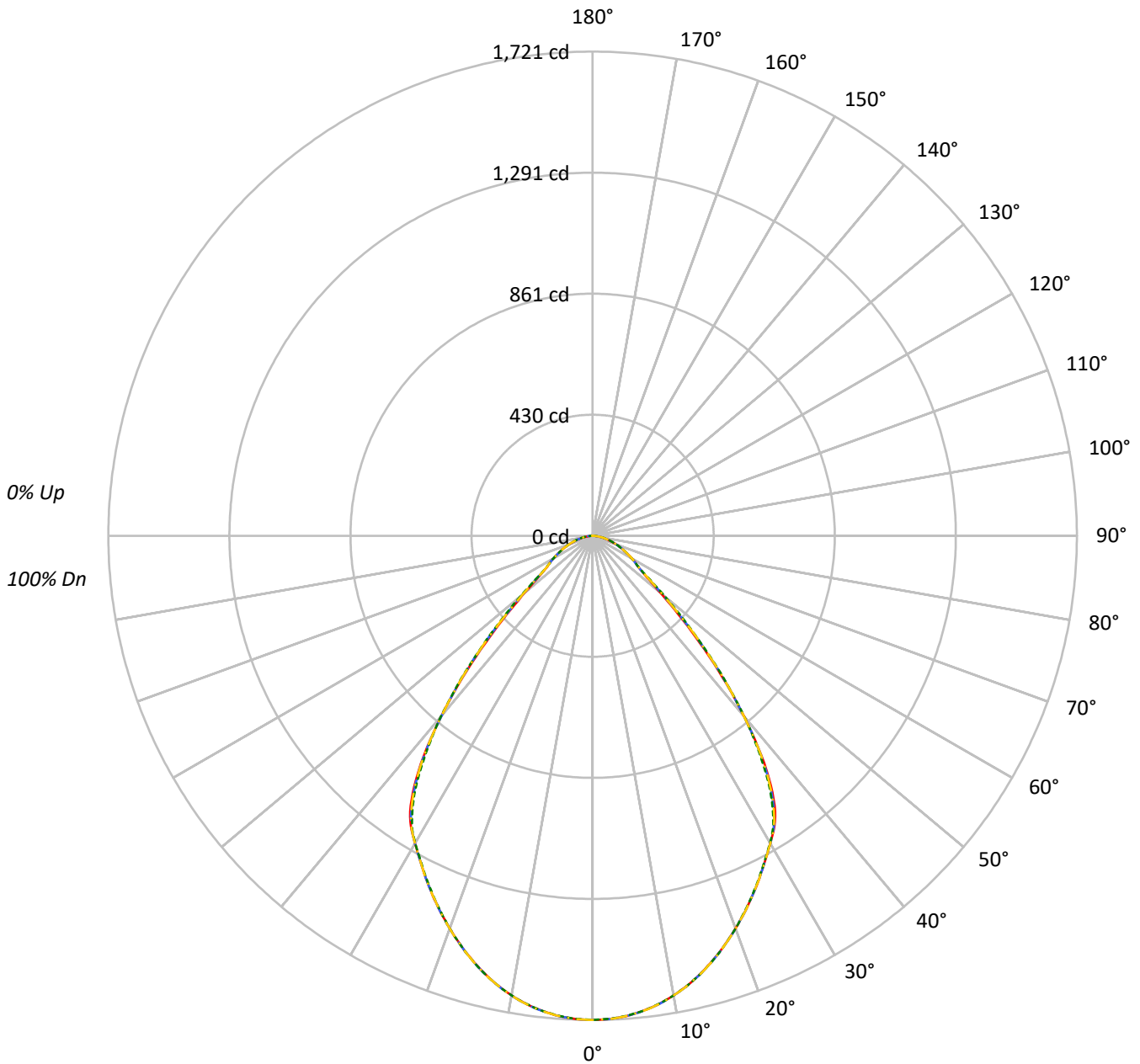
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMW-2500lm-3000K

**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	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79					79			
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71					71			
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63					63			
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57					57			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52					52			
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47					47			
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43					43			
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40					40			
10	62	50	43	38	61	50	43	38	49	43	38	48	42	38	47	42	38	36					36			

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

	0°	90°	180°	270°
0°	94351	94351	94351	94351
5°	93858	93814	93858	93814
10°	92355	92355	92355	92355
15°	89830	89876	89830	89876
20°	86650	86621	86650	86621
25°	83212	83073	83212	83073
30°	79936	79810	79936	79810
35°	74546	73455	74546	73455
40°	59834	59905	59834	59905
45°	41865	43129	41865	43129
50°	26762	28511	26762	28511
55°	19469	19775	19469	19775
60°	17674	17597	17674	17597
65°	15890	15825	15890	15825
70°	14089	14281	14089	14281
75°	12285	12920	12285	12920
80°	10134	11460	10134	11460
85°	6227	9498	6227	9498

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 43129 cd/sqm



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.3	5.9
10°-20°	445.1	16.2
20°-30°	633.0	23.1
30°-40°	676.7	24.7
40°-50°	427.6	15.6
50°-60°	194.6	7.1
60°-70°	121.9	4.4
70°-80°	64.0	2.3
80°-90°	15.8	0.6
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°	1239.5	45.2
0°-40°	1916.1	69.9
0°-60°	2538.3	92.6
0°-90°	2739.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2739.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1721	1721	1721	1721	1721	
5°	1706	1705	1706	1705	1706	161
15°	1583	1584	1583	1584	1583	445
25°	1376	1373	1376	1373	1376	633
35°	1114	1098	1114	1098	1114	680
45°	540	556	540	556	540	421
55°	204	207	204	207	204	192
65°	122	122	122	122	122	122
75°	58	61	58	61	58	62
85°	10	15	10	15	10	13
90°	0	1	0	1	0	



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1
0.5°	1720.9	1721.1	1720.9	1720.9	1720.1	1720.9	1720.9	1721.1	1720.9	1721.1	1720.9
1°	1720.4	1720.6	1720.6	1720.4	1719.6	1720.4	1720.6	1720.6	1720.4	1720.6	1720.6
1.5°	1719.6	1719.9	1719.6	1719.6	1718.9	1719.6	1719.6	1719.9	1719.6	1719.9	1719.6
2°	1718.6	1718.6	1718.6	1718.6	1717.7	1718.6	1718.6	1718.6	1718.6	1718.6	1718.6
2.5°	1717.2	1717.2	1717.4	1717.2	1716.4	1717.2	1717.4	1717.2	1717.2	1717.2	1717.4
3°	1715.4	1715.7	1715.7	1715.7	1714.7	1715.7	1715.7	1715.7	1715.4	1715.7	1715.7
3.5°	1713.5	1713.5	1713.7	1713.7	1712.7	1713.7	1713.7	1713.5	1713.5	1713.5	1713.7
4°	1711.2	1711.2	1711.2	1711.2	1710.5	1711.2	1711.2	1711.2	1711.2	1711.2	1711.2
4.5°	1708.5	1708.8	1708.8	1708.8	1707.8	1708.8	1708.8	1708.8	1708.5	1708.8	1708.8
5°	1705.6	1705.8	1705.8	1705.8	1704.8	1705.8	1705.8	1705.8	1705.6	1705.8	1705.8
5.5°	1702.3	1702.6	1702.6	1702.6	1701.6	1702.6	1702.6	1702.6	1702.3	1702.6	1702.6
6°	1698.9	1698.9	1698.9	1698.9	1698.1	1698.9	1698.9	1698.9	1698.9	1698.9	1698.9
6.5°	1694.9	1694.9	1695.2	1695.2	1694.4	1695.2	1695.2	1694.9	1694.9	1694.9	1695.2
7°	1690.7	1691.0	1691.0	1691.0	1690.2	1691.0	1691.0	1691.0	1690.7	1691.0	1691.0
7.5°	1686.3	1686.3	1686.5	1686.5	1685.8	1686.5	1686.5	1686.3	1686.3	1686.3	1686.5
8°	1681.4	1681.6	1681.8	1681.8	1681.1	1681.8	1681.8	1681.6	1681.4	1681.6	1681.8
8.5°	1676.2	1676.4	1676.7	1676.7	1675.9	1676.7	1676.7	1676.4	1676.2	1676.4	1676.7
9°	1670.7	1671.0	1671.2	1671.5	1670.7	1671.5	1671.2	1671.0	1670.7	1671.0	1671.2
9.5°	1665.1	1665.3	1665.5	1665.8	1665.1	1665.8	1665.5	1665.3	1665.1	1665.3	1665.5
10°	1659.1	1659.1	1659.4	1659.9	1659.1	1659.9	1659.4	1659.1	1659.1	1659.1	1659.4
10.5°	1652.7	1652.7	1653.2	1653.4	1652.7	1653.4	1653.2	1652.7	1652.7	1652.7	1653.2
11°	1646.0	1646.0	1646.5	1647.0	1646.0	1647.0	1646.5	1646.0	1646.0	1646.0	1646.5
11.5°	1638.9	1639.1	1639.6	1640.1	1639.4	1640.1	1639.6	1639.1	1638.9	1639.1	1639.6
12°	1631.7	1632.0	1632.5	1633.0	1632.2	1633.0	1632.5	1632.0	1631.7	1632.0	1632.5
12.5°	1624.3	1624.6	1624.8	1625.3	1624.8	1625.3	1624.8	1624.6	1624.3	1624.6	1624.8
13°	1616.4	1616.7	1617.1	1617.6	1617.1	1617.6	1617.1	1616.7	1616.4	1616.7	1617.1
13.5°	1608.5	1608.8	1609.2	1609.7	1609.0	1609.7	1609.2	1608.8	1608.5	1608.8	1609.2
14°	1600.1	1600.6	1601.1	1601.3	1600.9	1601.3	1601.1	1600.6	1600.1	1600.6	1601.1
14.5°	1591.7	1592.0	1592.5	1593.0	1592.5	1593.0	1592.5	1592.0	1591.7	1592.0	1592.5
15°	1582.8	1583.3	1583.8	1584.3	1583.6	1584.3	1583.8	1583.3	1582.8	1583.3	1583.8
15.5°	1573.9	1574.2	1574.7	1575.2	1574.4	1575.2	1574.7	1574.2	1573.9	1574.2	1574.7
16°	1564.6	1565.0	1565.5	1566.0	1565.3	1566.0	1565.5	1565.0	1564.6	1565.0	1565.5
16.5°	1555.4	1555.7	1556.2	1556.7	1555.9	1556.7	1556.2	1555.7	1555.4	1555.7	1556.2
17°	1545.8	1546.0	1546.5	1547.0	1546.3	1547.0	1546.5	1546.0	1545.8	1546.0	1546.5
17.5°	1536.2	1536.2	1536.7	1537.1	1536.4	1537.1	1536.7	1536.2	1536.2	1536.2	1536.7
18°	1526.0	1526.5	1526.8	1527.0	1526.3	1527.0	1526.8	1526.5	1526.0	1526.5	1526.8
18.5°	1515.9	1516.4	1516.6	1516.9	1516.2	1516.9	1516.6	1516.4	1515.9	1516.4	1516.6
19°	1505.8	1506.3	1506.5	1506.5	1506.0	1506.5	1506.5	1506.3	1505.8	1506.3	1506.5
19.5°	1495.7	1495.9	1496.2	1496.4	1495.7	1496.4	1496.2	1495.9	1495.7	1495.9	1496.2
20°	1485.3	1485.5	1485.8	1485.8	1484.8	1485.8	1485.8	1485.5	1485.3	1485.5	1485.8
20.5°	1474.9	1474.9	1474.9	1474.9	1474.2	1474.9	1474.9	1474.9	1474.9	1474.9	1474.9
21°	1463.8	1464.1	1464.3	1464.1	1463.3	1464.1	1464.3	1464.1	1463.8	1464.1	1464.3



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1431.7	1431.7	1431.5	1431.2	1430.2	1431.2	1431.5	1431.7	1431.7	1431.7	1431.5
23°	1420.6	1420.6	1420.3	1420.1	1419.1	1420.1	1420.3	1420.6	1420.6	1420.6	1420.3
23.5°	1409.5	1409.5	1409.2	1408.7	1408.0	1408.7	1409.2	1409.5	1409.5	1409.5	1409.2
24°	1398.4	1398.4	1398.1	1397.4	1396.4	1397.4	1398.1	1398.4	1398.4	1398.4	1398.1
24.5°	1387.3	1387.0	1386.8	1386.0	1385.0	1386.0	1386.8	1387.0	1387.3	1387.0	1386.8
25°	1375.7	1375.7	1375.4	1374.7	1373.4	1374.7	1375.4	1375.7	1375.7	1375.7	1375.4
25.5°	1364.3	1364.3	1364.0	1363.1	1362.1	1363.1	1364.0	1364.3	1364.3	1364.3	1364.0
26°	1352.9	1352.9	1352.7	1351.9	1350.7	1351.9	1352.7	1352.9	1352.9	1352.9	1352.7
26.5°	1341.3	1341.3	1341.1	1340.1	1339.1	1340.1	1341.1	1341.3	1341.3	1341.3	1341.1
27°	1329.7	1330.0	1329.7	1328.7	1327.5	1328.7	1329.7	1330.0	1329.7	1330.0	1329.7
27.5°	1318.4	1318.4	1318.1	1317.4	1316.1	1317.4	1318.1	1318.4	1318.4	1318.4	1318.1
28°	1306.5	1307.0	1306.8	1306.0	1305.0	1306.0	1306.8	1307.0	1306.5	1307.0	1306.8
28.5°	1295.4	1295.9	1295.6	1294.9	1293.9	1294.9	1295.6	1295.9	1295.4	1295.9	1295.6
29°	1284.3	1284.8	1284.5	1284.0	1282.8	1284.0	1284.5	1284.8	1284.3	1284.8	1284.5
29.5°	1273.4	1273.7	1273.7	1272.9	1271.9	1272.9	1273.7	1273.7	1273.4	1273.7	1273.7
30°	1262.8	1262.8	1262.8	1261.8	1260.8	1261.8	1262.8	1262.8	1262.8	1262.8	1262.8
30.5°	1251.9	1252.2	1251.7	1251.0	1249.7	1251.0	1251.7	1252.2	1251.9	1252.2	1251.7
31°	1241.3	1241.3	1240.8	1239.6	1238.1	1239.6	1240.8	1241.3	1241.3	1241.3	1240.8
31.5°	1230.0	1230.0	1229.0	1227.7	1225.8	1227.7	1229.0	1230.0	1230.0	1230.0	1229.0
32°	1218.4	1217.6	1215.9	1213.7	1210.9	1213.7	1215.9	1217.6	1218.4	1217.6	1215.9
32.5°	1205.8	1204.0	1201.3	1197.6	1194.4	1197.6	1201.3	1204.0	1205.8	1204.0	1201.3
33°	1191.4	1189.5	1184.8	1180.6	1177.1	1180.6	1184.8	1189.5	1191.4	1189.5	1184.8
33.5°	1174.9	1173.2	1166.7	1162.3	1158.8	1162.3	1166.7	1173.2	1174.9	1173.2	1166.7
34°	1156.1	1155.4	1147.7	1142.8	1139.8	1142.8	1147.7	1155.4	1156.1	1155.4	1147.7
34.5°	1135.6	1134.4	1127.5	1122.1	1119.3	1122.1	1127.5	1134.4	1135.6	1134.4	1127.5
35°	1113.9	1111.9	1106.0	1100.1	1097.6	1100.1	1106.0	1111.9	1113.9	1111.9	1106.0
35.5°	1090.9	1088.2	1083.5	1077.4	1074.1	1077.4	1083.5	1088.2	1090.9	1088.2	1083.5
36°	1066.5	1063.0	1060.1	1053.9	1049.9	1053.9	1060.1	1063.0	1066.5	1063.0	1060.1
36.5°	1040.8	1037.1	1035.1	1029.2	1024.3	1029.2	1035.1	1037.1	1040.8	1037.1	1035.1
37°	1013.9	1010.4	1009.0	1003.5	998.6	1003.5	1009.0	1010.4	1013.9	1010.4	1009.0
37.5°	985.7	983.3	981.8	977.4	972.4	977.4	981.8	983.3	985.7	983.3	981.8
38°	956.6	955.1	953.6	950.7	946.5	950.7	953.6	955.1	956.6	955.1	953.6
38.5°	926.7	926.7	924.3	923.3	919.6	923.3	924.3	926.7	926.7	926.7	924.3
39°	897.1	897.6	895.1	894.9	893.4	894.9	895.1	897.6	897.1	897.6	895.1
39.5°	866.7	867.5	865.0	865.7	865.5	865.7	865.0	867.5	866.7	867.5	865.0
40°	836.1	837.6	835.4	836.6	837.1	836.6	835.4	837.6	836.1	837.6	835.4
40.5°	805.0	807.2	805.7	807.7	808.2	807.7	805.7	807.2	805.0	807.2	805.7
41°	774.6	777.1	776.6	778.3	780.1	778.3	776.6	777.1	774.6	777.1	776.6
41.5°	744.5	746.2	747.7	749.9	750.7	749.9	747.7	746.2	744.5	746.2	747.7
42°	714.4	715.9	718.8	720.8	722.8	720.8	718.8	715.9	714.4	715.9	718.8
42.5°	684.5	686.0	690.2	692.6	694.4	692.6	690.2	686.0	684.5	686.0	690.2
43°	654.6	656.6	662.0	664.2	666.0	664.2	662.0	656.6	654.6	656.6	662.0
43.5°	625.2	627.0	633.6	635.8	637.3	635.8	633.6	627.0	625.2	627.0	633.6



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	540.0	543.0	550.4	554.6	556.3	554.6	550.4	543.0	540.0	543.0	550.4
45.5°	512.6	516.3	524.0	528.7	530.4	528.7	524.0	516.3	512.6	516.3	524.0
46°	486.5	490.7	498.1	503.5	505.7	503.5	498.1	490.7	486.5	490.7	498.1
46.5°	461.0	465.7	472.9	479.0	481.5	479.0	472.9	465.7	461.0	465.7	472.9
47°	436.3	441.5	448.4	455.1	457.8	455.1	448.4	441.5	436.3	441.5	448.4
47.5°	412.9	417.8	425.2	432.1	434.6	432.1	425.2	417.8	412.9	417.8	425.2
48°	390.6	395.6	403.0	410.2	412.9	410.2	403.0	395.6	390.6	395.6	403.0
48.5°	369.9	374.1	381.5	388.9	391.9	388.9	381.5	374.1	369.9	374.1	381.5
49°	349.9	353.9	361.0	368.9	371.6	368.9	361.0	353.9	349.9	353.9	361.0
49.5°	331.1	334.6	342.0	349.4	352.6	349.4	342.0	334.6	331.1	334.6	342.0
50°	313.8	316.3	324.0	331.4	334.3	331.4	324.0	316.3	313.8	316.3	324.0
50.5°	297.8	299.5	307.2	314.1	317.1	314.1	307.2	299.5	297.8	299.5	307.2
51°	283.0	284.5	291.4	297.6	301.0	297.6	291.4	284.5	283.0	284.5	291.4
51.5°	269.2	270.4	276.8	282.5	285.7	282.5	276.8	270.4	269.2	270.4	276.8
52°	256.6	257.8	263.7	268.4	271.1	268.4	263.7	257.8	256.6	257.8	263.7
52.5°	245.0	245.9	251.1	255.1	257.5	255.1	251.1	245.9	245.0	245.9	251.1
53°	234.3	236.1	239.8	243.0	245.0	243.0	239.8	236.1	234.3	236.1	239.8
53.5°	225.9	226.9	229.4	232.1	233.6	232.1	229.4	226.9	225.9	226.9	229.4
54°	218.0	218.3	220.0	222.0	223.2	222.0	220.0	218.3	218.0	218.3	220.0
54.5°	210.9	210.9	211.6	213.1	214.6	213.1	211.6	210.9	210.9	210.9	211.6
55°	203.7	204.0	205.0	205.9	206.9	205.9	205.0	204.0	203.7	204.0	205.0
55.5°	197.1	198.0	199.0	199.8	201.5	199.8	199.0	198.0	197.1	198.0	199.0
56°	192.4	192.9	193.6	194.1	196.1	194.1	193.6	192.9	192.4	192.9	193.6
56.5°	188.4	188.4	188.4	188.9	190.6	188.9	188.4	188.4	188.4	188.4	188.4
57°	184.7	184.7	184.2	184.0	185.2	184.0	184.2	184.7	184.7	184.7	184.2
57.5°	181.2	181.0	180.5	180.0	179.8	180.0	180.5	181.0	181.2	181.0	180.5
58°	177.5	177.3	176.8	176.3	175.8	176.3	176.8	177.3	177.5	177.3	176.8
58.5°	173.6	173.3	172.9	172.4	172.1	172.4	172.9	173.3	173.6	173.3	172.9
59°	169.6	169.4	169.1	168.7	168.2	168.7	169.1	169.4	169.6	169.4	169.1
59.5°	165.4	165.4	164.9	164.7	164.5	164.7	164.9	165.4	165.4	165.4	164.9
60°	161.2	161.2	161.0	160.8	160.5	160.8	161.0	161.2	161.2	161.2	161.0
60.5°	157.0	157.0	156.8	156.6	156.3	156.6	156.8	157.0	157.0	157.0	156.8
61°	153.1	153.1	152.9	152.6	152.4	152.6	152.9	153.1	153.1	153.1	152.9
61.5°	149.1	149.1	148.9	148.7	148.4	148.7	148.9	149.1	149.1	149.1	148.9
62°	145.2	145.2	144.9	144.7	144.5	144.7	144.9	145.2	145.2	145.2	144.9
62.5°	141.2	141.2	141.0	140.8	140.5	140.8	141.0	141.2	141.2	141.2	141.0
63°	137.5	137.3	137.3	136.8	136.8	136.8	137.3	137.3	137.5	137.3	137.3
63.5°	133.6	133.6	133.3	133.1	133.1	133.1	133.3	133.6	133.6	133.6	133.3
64°	129.9	129.9	129.6	129.4	129.1	129.4	129.6	129.9	129.9	129.9	129.6
64.5°	126.2	126.2	125.9	125.7	125.7	125.7	125.9	126.2	126.2	126.2	125.9
65°	122.5	122.7	122.5	122.2	122.0	122.2	122.5	122.7	122.5	122.7	122.5
65.5°	118.8	119.0	119.0	118.8	118.5	118.8	119.0	119.0	118.8	119.0	119.0
66°	115.3	115.6	115.3	115.1	115.1	115.1	115.3	115.6	115.3	115.6	115.3





TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	104.7	105.2	105.2	104.9	104.9	104.9	105.2	105.2	104.7	105.2	105.2
68°	101.2	101.7	102.0	101.7	101.7	101.7	102.0	101.7	101.2	101.7	102.0
68.5°	98.0	98.5	98.8	98.5	98.5	98.5	98.8	98.5	98.0	98.5	98.8
69°	94.6	95.3	95.6	95.6	95.3	95.6	95.6	95.3	94.6	95.3	95.6
69.5°	91.1	92.1	92.6	92.4	92.4	92.4	92.6	92.1	91.1	92.1	92.6
70°	87.9	88.6	89.4	89.4	89.1	89.4	89.4	88.6	87.9	88.6	89.4
70.5°	84.7	85.7	86.4	86.2	86.2	86.2	86.4	85.7	84.7	85.7	86.4
71°	81.7	82.7	83.5	83.5	83.2	83.5	83.5	82.7	81.7	82.7	83.5
71.5°	78.5	79.5	80.5	80.5	80.3	80.5	80.5	79.5	78.5	79.5	80.5
72°	75.6	76.5	77.5	77.5	77.3	77.5	77.5	76.5	75.6	76.5	77.5
72.5°	72.6	73.6	74.8	74.6	74.6	74.6	74.8	73.6	72.6	73.6	74.8
73°	69.4	70.6	71.9	71.9	71.6	71.9	71.9	70.6	69.4	70.6	71.9
73.5°	66.4	67.7	69.1	69.1	68.9	69.1	69.1	67.7	66.4	67.7	69.1
74°	63.7	64.7	66.2	66.4	66.2	66.4	66.2	64.7	63.7	64.7	66.2
74.5°	60.7	62.0	63.5	63.7	63.5	63.7	63.5	62.0	60.7	62.0	63.5
75°	58.0	59.0	60.7	61.0	61.0	61.0	60.7	59.0	58.0	59.0	60.7
75.5°	55.3	56.3	58.3	58.3	58.3	58.3	58.3	56.3	55.3	56.3	58.3
76°	52.6	53.6	55.6	55.8	55.8	55.8	55.6	53.6	52.6	53.6	55.6
76.5°	49.9	50.9	52.8	53.3	53.1	53.3	52.8	50.9	49.9	50.9	52.8
77°	47.2	48.4	50.4	50.9	50.6	50.9	50.4	48.4	47.2	48.4	50.4
77.5°	44.4	45.7	47.9	48.4	48.2	48.4	47.9	45.7	44.4	45.7	47.9
78°	42.0	43.2	45.2	45.9	45.7	45.9	45.2	43.2	42.0	43.2	45.2
78.5°	39.5	40.5	42.7	43.5	43.5	43.5	42.7	40.5	39.5	40.5	42.7
79°	37.0	38.0	40.2	41.0	41.0	41.0	40.2	38.0	37.0	38.0	40.2
79.5°	34.6	35.6	38.0	38.8	38.8	38.8	38.0	35.6	34.6	35.6	38.0
80°	32.1	33.1	35.6	36.3	36.3	36.3	35.6	33.1	32.1	33.1	35.6
80.5°	29.9	30.9	33.3	34.1	34.1	34.1	33.3	30.9	29.9	30.9	33.3
81°	27.4	28.4	30.9	31.9	31.9	31.9	30.9	28.4	27.4	28.4	30.9
81.5°	25.2	25.9	28.6	29.6	29.6	29.6	28.6	25.9	25.2	25.9	28.6
82°	23.0	23.7	26.4	27.4	27.4	27.4	26.4	23.7	23.0	23.7	26.4
82.5°	20.5	21.5	24.2	25.4	25.4	25.4	24.2	21.5	20.5	21.5	24.2
83°	18.3	19.3	22.0	23.2	23.2	23.2	22.0	19.3	18.3	19.3	22.0
83.5°	16.1	17.0	20.0	21.2	21.0	21.2	20.0	17.0	16.1	17.0	20.0
84°	14.1	14.8	18.0	19.0	19.0	19.0	18.0	14.8	14.1	14.8	18.0
84.5°	11.9	12.6	16.1	17.0	17.0	17.0	16.1	12.6	11.9	12.6	16.1
85°	9.9	10.6	14.1	15.1	15.1	15.1	14.1	10.6	9.9	10.6	14.1
85.5°	7.9	8.9	12.1	13.1	13.1	13.1	12.1	8.9	7.9	8.9	12.1
86°	6.4	7.2	10.4	11.1	11.1	11.1	10.4	7.2	6.4	7.2	10.4
86.5°	5.2	5.9	8.4	9.1	9.4	9.1	8.4	5.9	5.2	5.9	8.4
87°	4.0	4.7	6.9	7.4	7.4	7.4	6.9	4.7	4.0	4.7	6.9
87.5°	3.0	3.5	5.2	5.7	5.7	5.7	5.2	3.5	3.0	3.5	5.2
88°	2.0	2.5	3.7	4.0	4.2	4.0	3.7	2.5	2.0	2.5	3.7
88.5°	1.0	1.5	2.5	3.0	3.2	3.0	2.5	1.5	1.0	1.5	2.5



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.2	0.2	0.5	0.7	0.5	0.2	0.2	0.0	0.2	0.2



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1
0.5°	1720.9	1720.1	1720.9	1720.9	1721.1	1720.9
1°	1720.4	1719.6	1720.4	1720.6	1720.6	1720.4
1.5°	1719.6	1718.9	1719.6	1719.6	1719.9	1719.6
2°	1718.6	1717.7	1718.6	1718.6	1718.6	1718.6
2.5°	1717.2	1716.4	1717.2	1717.4	1717.2	1717.2
3°	1715.7	1714.7	1715.7	1715.7	1715.7	1715.4
3.5°	1713.7	1712.7	1713.7	1713.7	1713.5	1713.5
4°	1711.2	1710.5	1711.2	1711.2	1711.2	1711.2
4.5°	1708.8	1707.8	1708.8	1708.8	1708.8	1708.5
5°	1705.8	1704.8	1705.8	1705.8	1705.8	1705.6
5.5°	1702.6	1701.6	1702.6	1702.6	1702.6	1702.3
6°	1698.9	1698.1	1698.9	1698.9	1698.9	1698.9
6.5°	1695.2	1694.4	1695.2	1695.2	1694.9	1694.9
7°	1691.0	1690.2	1691.0	1691.0	1691.0	1690.7
7.5°	1686.5	1685.8	1686.5	1686.5	1686.3	1686.3
8°	1681.8	1681.1	1681.8	1681.8	1681.6	1681.4
8.5°	1676.7	1675.9	1676.7	1676.7	1676.4	1676.2
9°	1671.5	1670.7	1671.5	1671.2	1671.0	1670.7
9.5°	1665.8	1665.1	1665.8	1665.5	1665.3	1665.1
10°	1659.9	1659.1	1659.9	1659.4	1659.1	1659.1
10.5°	1653.4	1652.7	1653.4	1653.2	1652.7	1652.7
11°	1647.0	1646.0	1647.0	1646.5	1646.0	1646.0
11.5°	1640.1	1639.4	1640.1	1639.6	1639.1	1638.9
12°	1633.0	1632.2	1633.0	1632.5	1632.0	1631.7
12.5°	1625.3	1624.8	1625.3	1624.8	1624.6	1624.3
13°	1617.6	1617.1	1617.6	1617.1	1616.7	1616.4
13.5°	1609.7	1609.0	1609.7	1609.2	1608.8	1608.5
14°	1601.3	1600.9	1601.3	1601.1	1600.6	1600.1
14.5°	1593.0	1592.5	1593.0	1592.5	1592.0	1591.7
15°	1584.3	1583.6	1584.3	1583.8	1583.3	1582.8
15.5°	1575.2	1574.4	1575.2	1574.7	1574.2	1573.9
16°	1566.0	1565.3	1566.0	1565.5	1565.0	1564.6
16.5°	1556.7	1555.9	1556.7	1556.2	1555.7	1555.4
17°	1547.0	1546.3	1547.0	1546.5	1546.0	1545.8
17.5°	1537.1	1536.4	1537.1	1536.7	1536.2	1536.2
18°	1527.0	1526.3	1527.0	1526.8	1526.5	1526.0
18.5°	1516.9	1516.2	1516.9	1516.6	1516.4	1515.9
19°	1506.5	1506.0	1506.5	1506.5	1506.3	1505.8
19.5°	1496.4	1495.7	1496.4	1496.2	1495.9	1495.7
20°	1485.8	1484.8	1485.8	1485.8	1485.5	1485.3
20.5°	1474.9	1474.2	1474.9	1474.9	1474.9	1474.9
21°	1464.1	1463.3	1464.1	1464.3	1464.1	1463.8



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1431.2	1430.2	1431.2	1431.5	1431.7	1431.7
23°	1420.1	1419.1	1420.1	1420.3	1420.6	1420.6
23.5°	1408.7	1408.0	1408.7	1409.2	1409.5	1409.5
24°	1397.4	1396.4	1397.4	1398.1	1398.4	1398.4
24.5°	1386.0	1385.0	1386.0	1386.8	1387.0	1387.3
25°	1374.7	1373.4	1374.7	1375.4	1375.7	1375.7
25.5°	1363.1	1362.1	1363.1	1364.0	1364.3	1364.3
26°	1351.9	1350.7	1351.9	1352.7	1352.9	1352.9
26.5°	1340.1	1339.1	1340.1	1341.1	1341.3	1341.3
27°	1328.7	1327.5	1328.7	1329.7	1330.0	1329.7
27.5°	1317.4	1316.1	1317.4	1318.1	1318.4	1318.4
28°	1306.0	1305.0	1306.0	1306.8	1307.0	1306.5
28.5°	1294.9	1293.9	1294.9	1295.6	1295.9	1295.4
29°	1284.0	1282.8	1284.0	1284.5	1284.8	1284.3
29.5°	1272.9	1271.9	1272.9	1273.7	1273.7	1273.4
30°	1261.8	1260.8	1261.8	1262.8	1262.8	1262.8
30.5°	1251.0	1249.7	1251.0	1251.7	1252.2	1251.9
31°	1239.6	1238.1	1239.6	1240.8	1241.3	1241.3
31.5°	1227.7	1225.8	1227.7	1229.0	1230.0	1230.0
32°	1213.7	1210.9	1213.7	1215.9	1217.6	1218.4
32.5°	1197.6	1194.4	1197.6	1201.3	1204.0	1205.8
33°	1180.6	1177.1	1180.6	1184.8	1189.5	1191.4
33.5°	1162.3	1158.8	1162.3	1166.7	1173.2	1174.9
34°	1142.8	1139.8	1142.8	1147.7	1155.4	1156.1
34.5°	1122.1	1119.3	1122.1	1127.5	1134.4	1135.6
35°	1100.1	1097.6	1100.1	1106.0	1111.9	1113.9
35.5°	1077.4	1074.1	1077.4	1083.5	1088.2	1090.9
36°	1053.9	1049.9	1053.9	1060.1	1063.0	1066.5
36.5°	1029.2	1024.3	1029.2	1035.1	1037.1	1040.8
37°	1003.5	998.6	1003.5	1009.0	1010.4	1013.9
37.5°	977.4	972.4	977.4	981.8	983.3	985.7
38°	950.7	946.5	950.7	953.6	955.1	956.6
38.5°	923.3	919.6	923.3	924.3	926.7	926.7
39°	894.9	893.4	894.9	895.1	897.6	897.1
39.5°	865.7	865.5	865.7	865.0	867.5	866.7
40°	836.6	837.1	836.6	835.4	837.6	836.1
40.5°	807.7	808.2	807.7	805.7	807.2	805.0
41°	778.3	780.1	778.3	776.6	777.1	774.6
41.5°	749.9	750.7	749.9	747.7	746.2	744.5
42°	720.8	722.8	720.8	718.8	715.9	714.4
42.5°	692.6	694.4	692.6	690.2	686.0	684.5
43°	664.2	666.0	664.2	662.0	656.6	654.6
43.5°	635.8	637.3	635.8	633.6	627.0	625.2



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	554.6	556.3	554.6	550.4	543.0	540.0
45.5°	528.7	530.4	528.7	524.0	516.3	512.6
46°	503.5	505.7	503.5	498.1	490.7	486.5
46.5°	479.0	481.5	479.0	472.9	465.7	461.0
47°	455.1	457.8	455.1	448.4	441.5	436.3
47.5°	432.1	434.6	432.1	425.2	417.8	412.9
48°	410.2	412.9	410.2	403.0	395.6	390.6
48.5°	388.9	391.9	388.9	381.5	374.1	369.9
49°	368.9	371.6	368.9	361.0	353.9	349.9
49.5°	349.4	352.6	349.4	342.0	334.6	331.1
50°	331.4	334.3	331.4	324.0	316.3	313.8
50.5°	314.1	317.1	314.1	307.2	299.5	297.8
51°	297.6	301.0	297.6	291.4	284.5	283.0
51.5°	282.5	285.7	282.5	276.8	270.4	269.2
52°	268.4	271.1	268.4	263.7	257.8	256.6
52.5°	255.1	257.5	255.1	251.1	245.9	245.0
53°	243.0	245.0	243.0	239.8	236.1	234.3
53.5°	232.1	233.6	232.1	229.4	226.9	225.9
54°	222.0	223.2	222.0	220.0	218.3	218.0
54.5°	213.1	214.6	213.1	211.6	210.9	210.9
55°	205.9	206.9	205.9	205.0	204.0	203.7
55.5°	199.8	201.5	199.8	199.0	198.0	197.1
56°	194.1	196.1	194.1	193.6	192.9	192.4
56.5°	188.9	190.6	188.9	188.4	188.4	188.4
57°	184.0	185.2	184.0	184.2	184.7	184.7
57.5°	180.0	179.8	180.0	180.5	181.0	181.2
58°	176.3	175.8	176.3	176.8	177.3	177.5
58.5°	172.4	172.1	172.4	172.9	173.3	173.6
59°	168.7	168.2	168.7	169.1	169.4	169.6
59.5°	164.7	164.5	164.7	164.9	165.4	165.4
60°	160.8	160.5	160.8	161.0	161.2	161.2
60.5°	156.6	156.3	156.6	156.8	157.0	157.0
61°	152.6	152.4	152.6	152.9	153.1	153.1
61.5°	148.7	148.4	148.7	148.9	149.1	149.1
62°	144.7	144.5	144.7	144.9	145.2	145.2
62.5°	140.8	140.5	140.8	141.0	141.2	141.2
63°	136.8	136.8	136.8	137.3	137.3	137.5
63.5°	133.1	133.1	133.1	133.3	133.6	133.6
64°	129.4	129.1	129.4	129.6	129.9	129.9
64.5°	125.7	125.7	125.7	125.9	126.2	126.2
65°	122.2	122.0	122.2	122.5	122.7	122.5
65.5°	118.8	118.5	118.8	119.0	119.0	118.8
66°	115.1	115.1	115.1	115.3	115.6	115.3



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	104.9	104.9	104.9	105.2	105.2	104.7
68°	101.7	101.7	101.7	102.0	101.7	101.2
68.5°	98.5	98.5	98.5	98.8	98.5	98.0
69°	95.6	95.3	95.6	95.6	95.3	94.6
69.5°	92.4	92.4	92.4	92.6	92.1	91.1
70°	89.4	89.1	89.4	89.4	88.6	87.9
70.5°	86.2	86.2	86.2	86.4	85.7	84.7
71°	83.5	83.2	83.5	83.5	82.7	81.7
71.5°	80.5	80.3	80.5	80.5	79.5	78.5
72°	77.5	77.3	77.5	77.5	76.5	75.6
72.5°	74.6	74.6	74.6	74.8	73.6	72.6
73°	71.9	71.6	71.9	71.9	70.6	69.4
73.5°	69.1	68.9	69.1	69.1	67.7	66.4
74°	66.4	66.2	66.4	66.2	64.7	63.7
74.5°	63.7	63.5	63.7	63.5	62.0	60.7
75°	61.0	61.0	61.0	60.7	59.0	58.0
75.5°	58.3	58.3	58.3	58.3	56.3	55.3
76°	55.8	55.8	55.8	55.6	53.6	52.6
76.5°	53.3	53.1	53.3	52.8	50.9	49.9
77°	50.9	50.6	50.9	50.4	48.4	47.2
77.5°	48.4	48.2	48.4	47.9	45.7	44.4
78°	45.9	45.7	45.9	45.2	43.2	42.0
78.5°	43.5	43.5	43.5	42.7	40.5	39.5
79°	41.0	41.0	41.0	40.2	38.0	37.0
79.5°	38.8	38.8	38.8	38.0	35.6	34.6
80°	36.3	36.3	36.3	35.6	33.1	32.1
80.5°	34.1	34.1	34.1	33.3	30.9	29.9
81°	31.9	31.9	31.9	30.9	28.4	27.4
81.5°	29.6	29.6	29.6	28.6	25.9	25.2
82°	27.4	27.4	27.4	26.4	23.7	23.0
82.5°	25.4	25.4	25.4	24.2	21.5	20.5
83°	23.2	23.2	23.2	22.0	19.3	18.3
83.5°	21.2	21.0	21.2	20.0	17.0	16.1
84°	19.0	19.0	19.0	18.0	14.8	14.1
84.5°	17.0	17.0	17.0	16.1	12.6	11.9
85°	15.1	15.1	15.1	14.1	10.6	9.9
85.5°	13.1	13.1	13.1	12.1	8.9	7.9
86°	11.1	11.1	11.1	10.4	7.2	6.4
86.5°	9.1	9.4	9.1	8.4	5.9	5.2
87°	7.4	7.4	7.4	6.9	4.7	4.0
87.5°	5.7	5.7	5.7	5.2	3.5	3.0
88°	4.0	4.2	4.0	3.7	2.5	2.0
88.5°	3.0	3.2	3.0	2.5	1.5	1.0



TEST NUMBER: P776071

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.5	0.7	0.5	0.2	0.2	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°	1453.2	1453.4	1453.2	1453.2	1452.4	1453.2	1453.2	1453.4	1453.2	1453.4	1453.2
22°	1442.6	1442.6	1442.6	1442.1	1441.3	1442.1	1442.6	1442.6	1442.6	1442.6	1442.6



44°	596.1	597.8	605.2	608.4	609.9	608.4	605.2	597.8	596.1	597.8	605.2
44.5°	567.4	570.2	577.3	581.3	582.8	581.3	577.3	570.2	567.4	570.2	577.3



66.5°	111.6	112.1	112.1	111.9	111.6	111.9	112.1	112.1	111.6	112.1	112.1
67°	108.2	108.6	108.6	108.4	108.2	108.4	108.6	108.6	108.2	108.6	108.6



89°	0.5	0.7	1.5	2.0	2.2	2.0	1.5	0.7	0.5	0.7	1.5
89.5°	0.2	0.2	0.7	1.2	1.5	1.2	0.7	0.2	0.2	0.2	0.7



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

Scaled Data Report





21.5°	1453.2	1452.4	1453.2	1453.2	1453.4	1453.2
22°	1442.1	1441.3	1442.1	1442.6	1442.6	1442.6



44°	608.4	609.9	608.4	605.2	597.8	596.1
44.5°	581.3	582.8	581.3	577.3	570.2	567.4



66.5°	111.9	111.6	111.9	112.1	112.1	111.6
67°	108.4	108.2	108.4	108.6	108.6	108.2



89°	2.0	2.2	2.0	1.5	0.7	0.5
89.5°	1.2	1.5	1.2	0.7	0.2	0.2

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

Scaled Data Report



(END OF REPORT)