

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: P776184

Luminaire Tested: HCDJBL51525CSD-HCD8TRH-2500lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776184
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: HCDJBS1525CSD-HCD8TRH-2500lm-5000K
Description: 8 INCH ROUND MEDIUM HAZE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

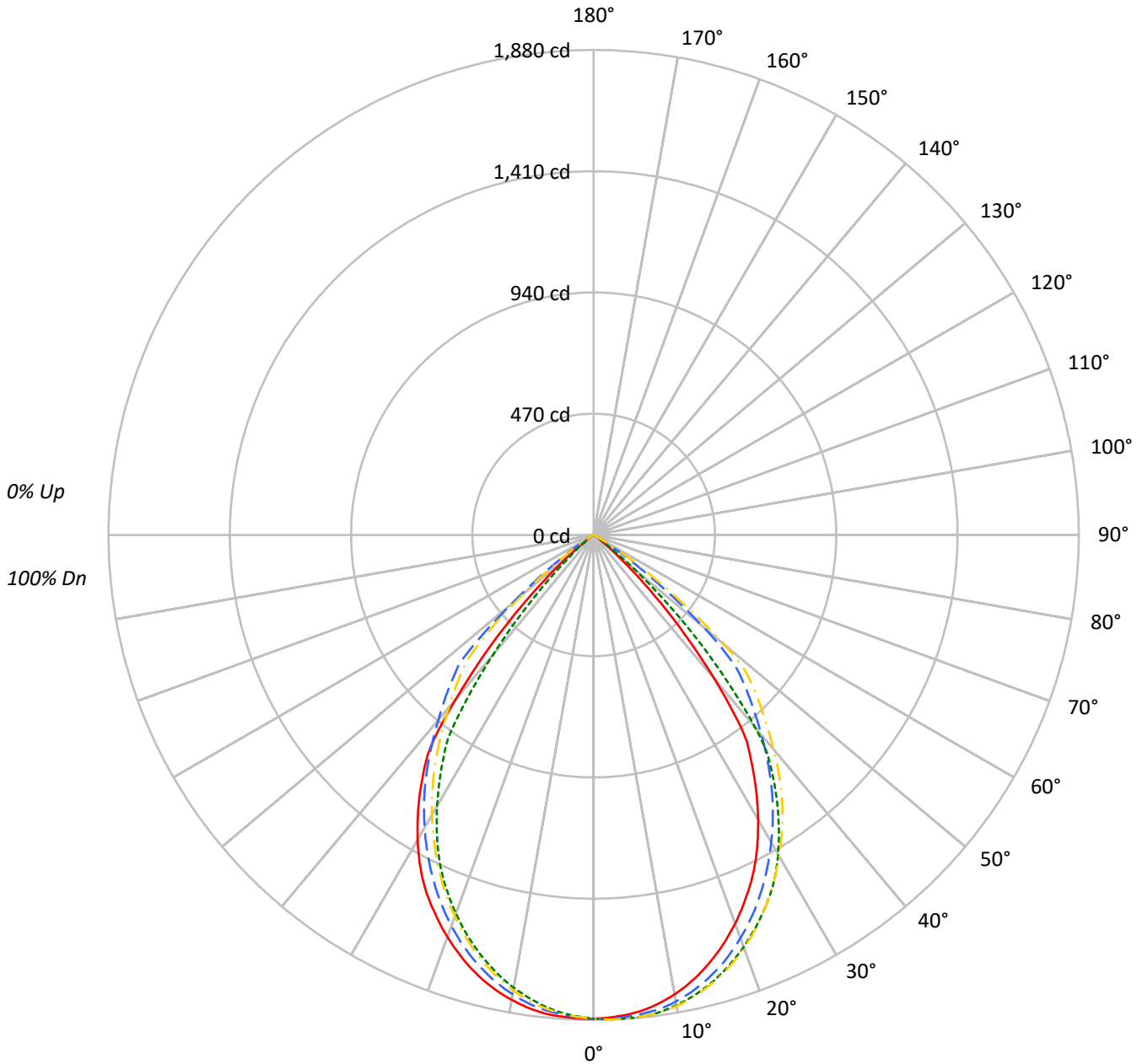
Lumens per Lamp: N/A
Luminaire Lumens: 2599.4 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92								
2	106	101	96	92	104	99	95	91	96	92	89	92	90	87	90	87	85	84								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	73	82	76	72	79	75	72	78	74	71	69								
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63								
6	83	72	66	61	81	72	65	60	70	64	60	68	63	60	67	63	59	57								
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	53								
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48								
9	69	58	51	47	68	57	51	47	56	51	46	56	50	46	55	50	46	45								
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	57256	57256	57256	57256
5°	56970	57540	57255	56599
10°	56044	57390	56742	55269
15°	54418	56602	55626	53318
20°	52091	55216	53868	50707
25°	49108	53289	51601	47431
30°	44927	50402	48082	42769
35°	39611	45988	43208	37207
40°	29014	38854	33107	24243
45°	14615	23656	18277	10690
50°	4460	9813	6004	3064
55°	1650	1852	1650	1427
60°	1258	1386	1258	1087
65°	990	1062	968	838
70°	786	848	759	669
75°	637	696	613	519
80°	492	598	492	404
85°	350	525	350	280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°
 Vertical Angle: 45°
 Luminance: 38885 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	6.8
10°-20°	490.0	18.9
20°-30°	687.6	26.5
30°-40°	706.1	27.2
40°-50°	431.7	16.6
50°-60°	83.9	3.2
60°-70°	15.3	0.6
70°-80°	6.8	0.3
80°-90°	1.5	0.1
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°	1354.1	52.1
0°-40°	2060.3	79.3
0°-60°	2575.9	99.1
0°-90°	2599.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1875	1875	1875	1875	1875	
5°	1859	1878	1868	1847	1859	176
15°	1722	1791	1760	1687	1722	483
25°	1458	1582	1532	1408	1458	667
35°	1063	1234	1159	998	1063	649
45°	338	548	423	248	338	273
55°	31	35	31	27	31	34
65°	14	15	13	12	14	14
75°	5	6	5	4	5	6
85°	1	2	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4
0.5°	1874.9	1874.7	1875.9	1877.0	1876.2	1877.0	1877.5	1877.5	1875.7	1874.4	1874.4
1°	1873.9	1874.4	1875.9	1877.8	1877.2	1878.0	1878.5	1878.0	1875.7	1873.6	1873.4
1.5°	1872.9	1873.9	1875.9	1878.3	1878.0	1879.0	1879.3	1878.3	1875.4	1872.9	1872.1
2°	1871.6	1873.1	1875.9	1878.5	1878.8	1879.6	1879.8	1878.3	1874.9	1871.8	1870.5
2.5°	1870.0	1872.1	1875.4	1878.5	1879.0	1880.1	1879.8	1878.3	1874.4	1870.5	1869.0
3°	1868.2	1870.8	1874.7	1878.0	1879.0	1880.1	1879.8	1878.0	1873.4	1869.2	1866.9
3.5°	1866.1	1869.2	1873.6	1877.2	1879.0	1880.1	1879.6	1877.2	1872.3	1867.4	1864.9
4°	1864.1	1867.7	1872.3	1876.5	1878.5	1879.6	1879.0	1876.7	1871.3	1865.9	1862.5
4.5°	1861.8	1865.9	1870.8	1875.4	1878.0	1879.0	1878.3	1875.9	1870.0	1864.1	1859.7
5°	1858.9	1863.8	1869.2	1874.4	1877.5	1878.3	1877.5	1874.7	1868.2	1861.8	1857.1
5.5°	1855.8	1861.2	1867.2	1873.1	1876.5	1877.5	1876.5	1873.1	1866.4	1859.4	1854.0
6°	1852.2	1858.4	1865.4	1871.6	1875.4	1876.5	1875.2	1871.6	1863.8	1856.6	1850.4
6.5°	1848.1	1854.8	1863.0	1869.8	1873.9	1875.2	1873.9	1869.2	1860.7	1853.2	1846.5
7°	1843.4	1851.2	1860.5	1867.4	1871.8	1873.4	1872.3	1866.7	1857.4	1849.6	1842.4
7.5°	1838.5	1846.8	1857.6	1864.6	1869.2	1871.3	1870.3	1863.3	1853.8	1845.2	1837.8
8°	1832.9	1842.2	1854.5	1861.5	1866.4	1868.7	1867.9	1860.2	1849.9	1841.1	1832.6
8.5°	1826.9	1836.7	1850.7	1858.1	1863.0	1865.6	1865.1	1856.6	1845.2	1836.2	1827.2
9°	1821.0	1831.6	1846.5	1854.3	1859.4	1862.5	1862.0	1852.5	1840.6	1830.8	1821.3
9.5°	1814.3	1825.6	1841.9	1850.1	1855.6	1858.7	1858.4	1848.1	1835.4	1825.4	1815.1
10°	1807.8	1820.0	1836.7	1845.8	1851.2	1854.8	1854.3	1843.4	1830.3	1819.7	1808.4
10.5°	1800.9	1813.5	1831.3	1840.9	1846.3	1850.7	1850.1	1838.8	1824.9	1813.5	1801.4
11°	1793.4	1807.1	1825.4	1835.7	1841.4	1845.8	1845.5	1833.6	1818.9	1807.3	1794.4
11.5°	1785.7	1800.1	1819.2	1830.0	1836.2	1840.6	1840.3	1828.2	1812.7	1800.4	1786.7
12°	1777.4	1793.1	1812.5	1824.4	1830.8	1835.4	1834.7	1822.5	1806.3	1793.4	1778.9
12.5°	1769.1	1785.7	1805.8	1818.2	1824.9	1830.0	1828.7	1816.6	1799.3	1785.9	1770.7
13°	1760.4	1777.9	1798.6	1812.0	1818.9	1824.4	1822.8	1810.2	1792.4	1778.2	1762.4
13.5°	1751.1	1769.9	1790.8	1805.3	1812.2	1818.2	1816.4	1803.7	1784.6	1770.2	1753.9
14°	1741.5	1761.4	1783.1	1798.3	1805.5	1811.7	1809.4	1796.7	1776.9	1761.9	1744.6
14.5°	1731.5	1752.1	1774.8	1790.8	1798.3	1804.7	1802.4	1789.3	1768.4	1752.9	1735.6
15°	1721.7	1743.1	1766.3	1782.8	1790.8	1797.5	1794.9	1781.8	1759.9	1743.9	1726.1
15.5°	1710.8	1733.5	1757.5	1774.6	1783.1	1789.8	1787.2	1773.8	1751.1	1734.6	1716.3
16°	1700.0	1723.5	1748.5	1766.3	1775.1	1782.0	1779.2	1765.3	1741.8	1724.8	1705.9
16.5°	1689.2	1713.4	1739.0	1757.8	1766.6	1774.0	1771.2	1756.2	1732.3	1714.7	1695.4
17°	1677.8	1703.1	1729.2	1748.8	1757.8	1765.5	1762.4	1747.7	1722.7	1704.1	1684.3
17.5°	1666.0	1692.3	1718.8	1739.0	1748.8	1756.5	1753.4	1738.2	1712.4	1693.6	1673.2
18°	1654.1	1680.9	1708.5	1729.2	1739.5	1747.5	1744.4	1728.4	1702.1	1682.7	1661.8
18.5°	1641.7	1669.3	1697.7	1719.1	1729.7	1737.9	1734.6	1718.6	1691.2	1671.4	1649.7
19°	1629.1	1657.7	1686.6	1708.8	1719.9	1727.9	1724.5	1708.3	1680.4	1660.0	1637.8
19.5°	1616.4	1645.6	1675.2	1697.9	1709.8	1717.8	1714.5	1697.7	1669.3	1648.2	1625.5
20°	1603.3	1633.2	1663.6	1687.4	1699.5	1707.2	1703.9	1686.9	1658.0	1636.3	1612.8
20.5°	1589.6	1620.0	1651.8	1676.0	1688.9	1696.9	1693.0	1675.5	1646.1	1623.7	1599.9
21°	1575.7	1606.9	1639.6	1664.7	1677.8	1685.8	1682.0	1664.2	1634.5	1611.3	1586.8



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CATALOG NUMBER: HCDJBLS1525CSD-HCD8TRH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1532.8	1565.9	1601.2	1628.8	1644.0	1651.8	1646.9	1628.8	1596.8	1572.3	1545.5
23°	1518.1	1551.2	1588.1	1616.4	1631.9	1639.6	1634.7	1616.4	1584.2	1558.9	1531.3
23.5°	1503.4	1537.0	1574.6	1603.8	1619.5	1627.8	1622.1	1603.5	1571.5	1545.0	1516.9
24°	1488.5	1522.0	1560.5	1590.9	1607.4	1615.1	1609.2	1590.6	1558.6	1531.0	1502.4
24.5°	1473.3	1507.3	1546.3	1577.7	1594.8	1602.2	1596.1	1577.7	1545.5	1516.9	1487.4
25°	1457.8	1492.1	1531.8	1564.1	1581.9	1589.1	1583.2	1564.3	1531.8	1502.4	1472.0
25.5°	1441.3	1476.9	1517.4	1550.6	1569.2	1576.2	1569.5	1550.9	1517.6	1488.0	1456.7
26°	1424.2	1461.6	1502.7	1536.7	1556.3	1562.8	1555.8	1537.5	1502.7	1473.5	1441.3
26.5°	1407.0	1446.2	1487.4	1523.0	1542.7	1548.8	1541.6	1523.8	1486.9	1458.3	1425.5
27°	1389.2	1429.9	1472.2	1508.9	1528.2	1534.9	1527.7	1509.6	1470.7	1442.8	1409.5
27.5°	1370.8	1412.9	1456.5	1494.2	1513.2	1521.2	1513.2	1494.9	1453.9	1426.8	1393.0
28°	1352.3	1395.4	1440.8	1479.2	1497.5	1507.1	1498.5	1479.2	1436.9	1409.5	1376.8
28.5°	1333.4	1377.8	1425.0	1464.2	1481.3	1492.1	1483.6	1463.2	1419.3	1392.5	1360.5
29°	1313.6	1359.5	1408.5	1448.5	1464.7	1476.6	1468.9	1446.9	1401.5	1375.2	1344.0
29.5°	1294.2	1341.7	1392.5	1432.2	1447.5	1460.6	1453.4	1430.2	1382.7	1357.4	1327.2
30°	1274.4	1322.9	1376.0	1415.0	1429.7	1444.4	1437.9	1412.4	1363.9	1339.1	1310.0
30.5°	1254.0	1304.0	1359.8	1397.7	1411.3	1427.1	1422.2	1394.6	1344.8	1320.5	1293.2
31°	1233.6	1284.4	1342.7	1379.9	1392.8	1410.3	1406.7	1376.5	1325.4	1301.7	1276.2
31.5°	1213.0	1265.6	1326.2	1361.8	1373.7	1392.3	1390.4	1358.2	1305.8	1282.6	1258.9
32°	1192.6	1245.5	1308.9	1343.2	1354.6	1374.2	1374.5	1339.6	1285.7	1263.5	1241.3
32.5°	1171.7	1226.4	1291.9	1323.9	1335.2	1355.6	1358.2	1320.5	1265.9	1244.7	1223.8
33°	1150.3	1206.5	1274.6	1305.1	1315.4	1337.3	1342.0	1300.9	1245.2	1224.8	1205.7
33.5°	1128.9	1186.4	1257.3	1284.9	1295.0	1318.0	1325.4	1281.3	1224.3	1205.5	1187.2
34°	1107.5	1166.0	1238.5	1266.1	1275.1	1298.9	1308.7	1261.7	1203.2	1186.1	1168.6
34.5°	1085.3	1146.2	1221.0	1246.0	1254.5	1279.8	1291.6	1241.9	1181.0	1166.3	1149.0
35°	1062.8	1125.3	1202.4	1226.1	1233.9	1260.4	1274.4	1221.7	1159.3	1145.9	1129.9
35.5°	1041.7	1104.6	1184.3	1205.7	1212.2	1240.6	1256.6	1201.4	1137.6	1125.8	1110.3
36°	1019.0	1084.0	1165.2	1186.7	1190.8	1221.2	1238.2	1180.7	1116.2	1105.4	1090.9
36.5°	999.1	1062.8	1146.4	1166.3	1169.1	1201.4	1219.7	1159.8	1093.5	1084.8	1071.6
37°	966.6	1041.7	1127.1	1145.9	1146.9	1180.5	1200.8	1138.9	1068.8	1063.9	1051.5
37.5°	933.8	1020.5	1108.2	1125.0	1125.0	1160.3	1181.8	1117.3	1037.8	1043.2	1031.9
38°	891.0	999.4	1088.6	1104.4	1101.5	1139.4	1162.7	1096.1	1002.7	1022.3	1012.5
38.5°	851.6	978.5	1069.5	1083.0	1077.8	1118.6	1143.3	1075.2	963.0	1001.2	993.7
39°	811.6	957.1	1049.7	1062.8	1046.6	1097.9	1123.7	1053.5	920.2	977.4	974.1
39.5°	771.1	923.5	1030.6	1041.4	1013.8	1076.5	1104.1	1032.6	874.8	948.5	955.0
40°	728.0	885.9	1011.2	1020.5	974.9	1055.6	1084.5	1002.2	830.7	915.5	936.4
40.5°	685.7	846.4	992.1	999.6	931.5	1034.5	1065.2	970.7	788.4	877.9	918.6
41°	642.6	807.7	973.1	971.3	887.4	1005.0	1045.3	934.6	745.8	838.4	900.8
41.5°	600.6	769.3	954.5	944.2	843.0	977.4	1026.7	895.2	705.0	797.6	883.5
42°	560.6	730.1	936.2	910.1	799.2	941.8	1007.6	854.6	662.2	756.6	865.7
42.5°	523.2	689.0	918.1	873.7	756.4	903.9	989.3	811.6	621.2	717.4	848.7
43°	485.8	647.8	900.3	834.8	715.1	863.2	971.5	771.8	578.4	678.7	830.9
43.5°	447.6	607.0	882.0	794.0	673.3	821.1	953.5	731.9	537.9	640.5	813.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	338.5	493.2	829.4	675.1	547.9	699.1	900.6	613.7	423.3	525.0	761.5
45.5°	305.4	456.3	811.8	637.7	508.2	659.6	882.8	573.7	386.7	487.6	744.0
46°	274.0	420.2	794.0	600.0	470.0	620.4	864.5	534.8	351.4	450.9	727.2
46.5°	242.5	384.6	776.7	561.9	432.4	580.4	847.2	496.6	316.8	416.6	699.4
47°	213.3	349.0	755.8	523.4	395.5	539.9	829.1	459.2	283.5	381.5	666.3
47.5°	186.5	316.3	729.3	486.0	359.1	501.7	810.5	423.3	255.1	348.3	627.6
48°	162.0	284.5	698.1	449.9	324.8	464.6	792.0	388.5	227.0	315.2	584.8
48.5°	140.9	254.1	664.0	415.1	291.5	428.2	766.4	353.9	198.9	284.3	542.2
49°	122.5	224.9	631.5	381.5	263.1	392.4	733.7	319.9	170.8	256.2	498.7
49.5°	107.1	197.3	593.3	348.0	235.0	357.5	699.6	287.6	147.3	228.0	456.3
50°	93.9	171.3	556.2	315.0	206.6	323.0	659.4	260.0	126.4	199.7	414.8
50.5°	83.6	147.6	514.9	283.0	178.5	291.0	616.3	232.4	107.3	171.8	376.1
51°	73.0	127.4	471.8	252.6	150.7	262.6	571.7	205.1	90.5	148.8	337.9
51.5°	62.7	110.2	430.0	223.7	129.2	234.2	526.8	177.5	75.8	127.7	302.9
52°	52.4	95.7	389.5	197.1	108.9	205.9	483.2	150.1	61.9	108.1	273.4
52.5°	42.0	84.9	350.1	171.5	90.5	177.5	441.4	128.2	49.5	90.3	244.3
53°	36.6	74.3	314.5	147.8	74.8	149.4	401.7	108.3	39.7	74.8	215.1
53.5°	34.8	63.5	279.6	125.6	60.9	126.9	362.7	91.1	35.3	61.1	185.7
54°	33.5	52.9	247.1	106.0	47.7	106.3	326.1	75.6	33.8	48.8	156.6
54.5°	32.2	42.3	216.2	87.5	38.2	88.7	290.5	61.9	32.5	37.7	133.9
55°	31.0	34.6	188.8	74.0	34.8	72.5	259.5	49.3	31.0	30.2	114.3
55.5°	29.7	31.2	162.5	60.9	33.5	58.0	229.1	37.9	29.7	28.9	96.7
56°	28.4	29.9	139.0	47.5	32.0	45.1	198.4	30.7	28.6	27.9	81.5
56.5°	27.3	28.6	118.1	34.3	30.4	34.6	167.7	29.4	27.3	26.8	68.1
57°	26.3	27.6	99.6	29.4	29.2	29.7	143.4	28.1	26.3	25.8	57.0
57.5°	25.3	26.6	84.6	28.4	28.1	28.4	121.2	27.1	25.3	24.8	48.0
58°	24.2	25.5	73.8	27.3	26.8	27.3	101.1	26.1	24.2	24.0	40.8
58.5°	23.2	24.8	62.9	26.3	25.8	26.3	83.6	25.3	23.2	23.0	35.1
59°	22.2	23.7	52.1	25.3	24.8	25.3	68.1	24.2	22.2	22.2	30.4
59.5°	21.4	23.0	41.3	24.5	23.7	24.2	55.2	23.5	21.4	21.4	27.1
60°	20.6	22.2	35.9	23.5	22.7	23.5	45.4	22.7	20.6	20.6	24.5
60.5°	19.9	21.4	31.2	22.7	21.7	22.7	37.9	21.7	19.6	20.1	22.2
61°	19.1	20.6	27.6	21.9	20.9	21.7	32.2	21.2	18.8	19.3	20.9
61.5°	18.3	19.9	24.5	21.2	20.1	20.9	28.1	20.4	18.1	18.6	20.1
62°	17.5	19.1	22.4	20.4	19.3	20.4	25.0	19.6	17.3	18.1	19.3
62.5°	16.8	18.6	20.9	19.6	18.6	19.6	22.7	18.8	16.5	17.3	18.6
63°	16.0	17.8	20.1	19.1	17.5	18.8	20.9	18.3	15.7	16.8	17.8
63.5°	15.5	17.3	19.6	18.3	16.8	18.1	20.1	17.5	15.2	16.0	17.3
64°	14.7	16.5	18.8	17.5	16.3	17.5	19.3	17.0	14.4	15.5	16.5
64.5°	14.2	16.0	18.3	17.0	15.5	16.8	18.6	16.3	13.9	15.0	16.0
65°	13.7	15.5	17.5	16.5	14.7	16.3	17.8	15.7	13.4	14.4	15.5
65.5°	13.2	15.0	17.0	15.7	14.2	15.7	17.0	15.2	12.6	13.9	15.0
66°	12.4	14.2	16.3	15.2	13.7	15.0	16.5	14.4	12.1	13.4	14.4



TEST NUMBER: P776184

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TRH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	11.1	12.6	14.7	13.7	11.9	13.4	15.0	12.9	10.6	11.9	12.9
68°	10.6	12.1	14.2	13.2	11.4	12.9	14.2	12.4	10.3	11.4	12.4
68.5°	10.1	11.9	13.7	12.6	10.8	12.4	13.7	11.9	9.8	10.8	11.9
69°	9.5	11.4	13.2	12.1	10.3	11.9	13.2	11.6	9.3	10.6	11.4
69.5°	9.3	10.8	12.6	11.6	10.1	11.6	12.6	11.1	9.0	10.1	10.8
70°	8.8	10.3	12.1	11.1	9.5	11.1	12.1	10.6	8.5	9.5	10.3
70.5°	8.5	10.1	11.6	10.8	9.0	10.6	11.9	10.1	8.3	9.3	10.1
71°	8.0	9.5	11.1	10.3	8.8	10.3	11.4	9.8	7.7	8.8	9.5
71.5°	7.7	9.3	10.6	9.8	8.3	9.8	10.8	9.3	7.5	8.5	9.0
72°	7.2	8.8	10.3	9.5	8.0	9.3	10.3	9.0	7.0	8.0	8.8
72.5°	7.0	8.5	9.8	9.0	7.5	9.0	9.8	8.5	6.7	7.7	8.3
73°	6.7	8.0	9.3	8.8	7.2	8.5	9.5	8.3	6.4	7.5	8.0
73.5°	6.2	7.7	9.0	8.3	7.0	8.3	9.0	7.7	6.2	7.0	7.5
74°	5.9	7.2	8.5	8.0	6.7	8.0	8.8	7.5	5.7	6.7	7.2
74.5°	5.7	7.0	8.0	7.5	6.2	7.5	8.3	7.2	5.4	6.4	6.7
75°	5.4	6.7	7.7	7.2	5.9	7.2	8.0	6.7	5.2	5.9	6.4
75.5°	5.2	6.2	7.2	7.0	5.7	7.0	7.5	6.4	4.9	5.7	6.2
76°	4.9	5.9	7.0	6.7	5.4	6.7	7.2	6.2	4.6	5.4	5.7
76.5°	4.6	5.7	6.7	6.2	5.2	6.2	6.7	5.7	4.4	5.2	5.4
77°	4.4	5.4	6.2	5.9	4.9	5.9	6.4	5.4	4.1	4.9	5.2
77.5°	4.1	5.2	5.9	5.7	4.6	5.7	6.2	5.2	3.9	4.6	4.9
78°	3.9	4.9	5.7	5.4	4.4	5.4	5.7	4.9	3.6	4.4	4.4
78.5°	3.6	4.4	5.2	5.2	4.1	5.2	5.4	4.6	3.4	3.9	4.1
79°	3.4	4.1	4.9	4.6	3.9	4.9	5.2	4.4	3.4	3.6	3.9
79.5°	3.1	3.9	4.6	4.4	3.6	4.6	4.9	4.1	3.1	3.4	3.6
80°	2.8	3.6	4.4	4.1	3.4	4.1	4.4	3.9	2.8	3.1	3.4
80.5°	2.6	3.4	4.1	3.9	3.4	3.9	4.1	3.4	2.6	2.8	3.1
81°	2.3	3.1	3.9	3.6	3.1	3.6	3.9	3.1	2.3	2.6	2.8
81.5°	2.3	2.8	3.4	3.4	2.8	3.6	3.6	3.1	2.3	2.6	2.6
82°	2.1	2.6	3.1	3.1	2.6	3.4	3.4	2.8	2.1	2.3	2.3
82.5°	1.8	2.3	2.8	2.8	2.3	3.1	3.1	2.6	1.8	2.1	2.1
83°	1.5	2.1	2.6	2.6	2.3	2.8	2.8	2.3	1.5	1.8	1.8
83.5°	1.5	1.8	2.3	2.3	2.1	2.6	2.6	2.1	1.5	1.5	1.5
84°	1.3	1.8	2.1	2.3	1.8	2.3	2.3	1.8	1.3	1.3	1.3
84.5°	1.0	1.5	1.8	2.1	1.8	2.1	2.1	1.5	1.0	1.0	1.3
85°	1.0	1.3	1.5	1.8	1.5	1.8	1.8	1.3	1.0	1.0	1.0
85.5°	0.8	1.0	1.5	1.5	1.5	1.8	1.5	1.0	0.8	0.8	0.8
86°	0.5	0.8	1.3	1.3	1.3	1.5	1.3	1.0	0.8	0.5	0.5
86.5°	0.5	0.5	1.0	1.3	1.0	1.3	1.3	0.8	0.5	0.5	0.5
87°	0.3	0.5	0.8	1.0	1.0	1.0	1.0	0.5	0.5	0.3	0.3
87.5°	0.3	0.3	0.8	0.8	0.8	1.0	0.8	0.5	0.3	0.3	0.3
88°	0.3	0.3	0.5	0.8	0.8	0.8	0.8	0.3	0.3	0.0	0.0
88.5°	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0



TEST NUMBER: P776184

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-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	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0



TEST NUMBER: P776184

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TRH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1875.4	1875.4	1875.4	1875.4	1875.4	1875.4
0.5°	1874.9	1873.1	1873.9	1874.9	1875.4	1874.9
1°	1873.4	1871.3	1872.1	1873.1	1874.1	1873.9
1.5°	1871.6	1869.2	1870.0	1871.3	1872.3	1872.9
2°	1869.8	1867.2	1867.7	1869.2	1870.5	1871.6
2.5°	1867.7	1864.9	1865.4	1866.9	1868.5	1870.0
3°	1865.6	1862.0	1862.8	1864.1	1866.4	1868.2
3.5°	1862.8	1858.9	1859.4	1861.5	1863.8	1866.1
4°	1860.0	1855.3	1856.1	1858.4	1861.5	1864.1
4.5°	1856.6	1851.2	1852.0	1854.8	1858.7	1861.8
5°	1852.7	1846.8	1847.6	1851.2	1855.3	1858.9
5.5°	1848.6	1841.6	1842.7	1847.3	1852.0	1855.8
6°	1844.0	1836.7	1837.8	1842.9	1848.1	1852.2
6.5°	1839.1	1830.8	1832.1	1838.0	1844.0	1848.1
7°	1833.9	1824.9	1826.2	1832.9	1839.1	1843.4
7.5°	1828.0	1818.4	1819.7	1827.2	1833.9	1838.5
8°	1822.0	1812.0	1813.3	1821.3	1828.2	1832.9
8.5°	1815.8	1805.0	1806.6	1814.8	1821.8	1826.9
9°	1809.4	1797.8	1799.6	1807.8	1815.3	1821.0
9.5°	1802.7	1790.3	1792.1	1800.6	1808.4	1814.3
10°	1796.0	1782.8	1784.6	1792.9	1801.4	1807.8
10.5°	1788.5	1774.6	1776.6	1784.9	1793.9	1800.9
11°	1781.0	1766.1	1768.4	1776.4	1786.2	1793.4
11.5°	1773.3	1757.5	1759.9	1767.9	1777.9	1785.7
12°	1765.0	1748.3	1750.8	1758.8	1769.4	1777.4
12.5°	1756.2	1738.7	1741.5	1749.3	1760.4	1769.1
13°	1747.5	1728.9	1732.0	1739.7	1751.3	1760.4
13.5°	1737.9	1718.6	1721.9	1730.2	1741.8	1751.1
14°	1728.4	1708.3	1711.4	1719.9	1732.0	1741.5
14.5°	1718.6	1697.9	1700.8	1709.3	1721.4	1731.5
15°	1708.3	1686.9	1689.7	1698.7	1711.1	1721.7
15.5°	1697.9	1675.2	1678.6	1687.4	1700.0	1710.8
16°	1687.1	1663.9	1667.0	1676.0	1688.7	1700.0
16.5°	1676.0	1652.3	1655.4	1664.4	1677.3	1689.2
17°	1664.4	1640.2	1643.0	1652.0	1665.7	1677.8
17.5°	1652.8	1627.8	1630.6	1639.6	1653.3	1666.0
18°	1640.7	1614.6	1617.7	1626.7	1641.2	1654.1
18.5°	1628.3	1601.7	1604.8	1613.9	1628.3	1641.7
19°	1615.9	1588.3	1591.4	1600.7	1615.4	1629.1
19.5°	1602.8	1574.6	1577.5	1587.3	1602.2	1616.4
20°	1589.9	1560.7	1563.8	1573.3	1588.8	1603.3
20.5°	1576.2	1546.8	1549.4	1559.4	1575.2	1589.6
21°	1562.3	1532.6	1534.9	1545.2	1560.7	1575.7

TEST NUMBER: P776184

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TRH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1519.7	1489.0	1490.3	1500.9	1517.1	1532.8
23°	1505.2	1473.8	1474.8	1485.9	1501.6	1518.1
23.5°	1490.5	1458.6	1460.1	1470.7	1486.4	1503.4
24°	1475.8	1442.3	1444.1	1454.9	1471.2	1488.5
24.5°	1460.4	1425.8	1428.6	1438.9	1455.5	1473.3
25°	1445.1	1408.0	1412.4	1422.7	1439.7	1457.8
25.5°	1429.4	1390.2	1395.9	1406.7	1423.5	1441.3
26°	1413.4	1371.9	1378.3	1390.4	1407.5	1424.2
26.5°	1395.9	1353.3	1361.0	1373.9	1391.2	1407.0
27°	1378.3	1334.0	1342.7	1356.7	1374.5	1389.2
27.5°	1360.5	1314.6	1324.2	1339.6	1357.2	1370.8
28°	1342.0	1294.5	1304.8	1322.6	1339.1	1352.3
28.5°	1323.1	1274.4	1286.0	1304.8	1320.8	1333.4
29°	1304.0	1253.7	1266.6	1288.0	1302.5	1313.6
29.5°	1285.2	1233.9	1247.0	1270.8	1283.9	1294.2
30°	1265.3	1213.2	1226.9	1253.0	1264.0	1274.4
30.5°	1245.5	1192.1	1207.0	1234.9	1245.0	1254.0
31°	1225.3	1170.7	1186.7	1217.6	1225.3	1233.6
31.5°	1205.0	1150.0	1166.3	1199.3	1205.7	1213.0
32°	1184.8	1128.6	1145.6	1181.0	1185.4	1192.6
32.5°	1165.0	1106.9	1125.5	1161.9	1166.0	1171.7
33°	1144.3	1085.3	1104.9	1143.8	1146.2	1150.3
33.5°	1123.5	1062.8	1084.2	1125.0	1125.8	1128.9
34°	1102.6	1041.4	1063.1	1105.9	1105.7	1107.5
34.5°	1081.7	1019.2	1041.7	1086.3	1085.5	1085.3
35°	1060.8	998.3	1020.8	1066.7	1065.2	1062.8
35.5°	1040.1	973.3	999.6	1047.4	1045.3	1041.7
36°	1018.7	940.0	978.2	1027.7	1024.4	1019.0
36.5°	997.8	900.3	957.3	1008.1	1003.8	999.1
37°	976.9	859.3	937.2	988.3	983.1	966.6
37.5°	956.0	819.3	915.0	968.7	962.5	933.8
38°	936.9	777.3	883.0	949.3	941.8	891.0
38.5°	904.7	735.7	845.6	930.2	920.4	851.6
39°	869.4	692.6	807.4	911.7	902.1	811.6
39.5°	830.9	649.6	769.8	892.6	869.9	771.1
40°	792.5	608.3	731.9	874.0	836.8	728.0
40.5°	754.3	567.5	693.2	855.9	798.7	685.7
41°	714.6	528.8	652.7	838.1	761.3	642.6
41.5°	674.6	491.2	612.4	820.3	725.4	600.6
42°	633.3	453.5	573.5	802.5	689.3	560.6
42.5°	593.8	415.6	536.6	785.5	651.6	523.2
43°	555.1	379.2	500.5	768.2	612.7	485.8
43.5°	518.3	344.4	464.6	751.2	573.7	447.6



TEST NUMBER: P776184

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TRH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	410.2	247.6	360.1	699.6	466.1	338.5
45.5°	375.1	218.5	326.8	673.8	431.3	305.4
46°	340.3	190.4	296.1	646.2	397.0	274.0
46.5°	308.0	165.9	265.2	614.0	363.2	242.5
47°	277.3	143.7	235.8	584.6	330.2	213.3
47.5°	249.2	124.6	207.1	548.7	298.7	186.5
48°	221.3	108.6	181.1	512.3	268.3	162.0
48.5°	193.2	95.4	157.4	470.3	239.1	140.9
49°	165.4	85.1	135.9	431.3	211.3	122.5
49.5°	142.4	74.8	117.1	392.6	184.7	107.1
50°	122.8	64.5	101.9	357.0	160.2	93.9
50.5°	105.5	54.2	88.2	322.5	137.8	83.6
51°	91.6	43.9	78.2	291.0	118.7	73.0
51.5°	79.7	36.9	68.1	259.8	102.7	62.7
52°	69.4	34.6	58.0	231.7	88.5	52.4
52.5°	59.6	33.0	48.0	204.1	78.2	42.0
53°	49.8	31.7	39.0	179.0	67.6	36.6
53.5°	40.5	30.4	32.0	155.6	57.3	34.8
54°	33.3	29.2	29.7	135.2	46.7	33.5
54.5°	29.7	27.9	28.6	116.1	37.7	32.2
55°	28.6	26.8	27.6	99.6	31.2	31.0
55.5°	27.6	25.8	26.6	88.0	29.4	29.7
56°	26.6	24.8	25.5	76.6	28.4	28.4
56.5°	25.5	23.7	24.5	65.3	27.3	27.3
57°	24.8	22.7	23.7	53.7	26.3	26.3
57.5°	23.7	21.7	22.7	42.6	25.3	25.3
58°	23.0	20.9	21.9	36.6	24.5	24.2
58.5°	22.2	20.1	21.2	31.7	23.7	23.2
59°	21.4	19.3	20.4	27.9	23.0	22.2
59.5°	20.6	18.6	19.6	24.8	22.2	21.4
60°	19.9	17.8	19.1	22.4	21.4	20.6
60.5°	19.3	17.0	18.3	21.2	20.6	19.9
61°	18.6	16.3	17.8	20.4	19.9	19.1
61.5°	17.8	15.7	17.0	19.6	19.1	18.3
62°	17.3	15.0	16.5	18.8	18.6	17.5
62.5°	16.5	14.4	15.7	18.3	17.8	16.8
63°	16.0	13.7	15.2	17.5	17.3	16.0
63.5°	15.5	13.2	14.7	17.0	16.5	15.5
64°	14.7	12.6	14.2	16.5	16.0	14.7
64.5°	14.2	12.1	13.7	15.7	15.5	14.2
65°	13.7	11.6	13.2	15.2	15.0	13.7
65.5°	13.2	11.1	12.6	14.7	14.2	13.2
66°	12.6	10.6	12.1	14.2	13.7	12.4



TEST NUMBER: P776184
 CATALOG NUMBER: HCDJBLS1525CSD-HCD8TRH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	11.4	9.3	10.8	12.6	12.1	11.1
68°	10.8	8.8	10.3	12.1	11.6	10.6
68.5°	10.3	8.5	10.1	11.6	11.4	10.1
69°	10.1	8.0	9.5	11.1	10.8	9.5
69.5°	9.5	7.7	9.3	10.8	10.3	9.3
70°	9.3	7.5	8.8	10.3	9.8	8.8
70.5°	8.8	7.0	8.5	9.8	9.5	8.5
71°	8.5	6.7	8.0	9.5	9.0	8.0
71.5°	8.0	6.4	7.7	9.0	8.8	7.7
72°	7.7	6.2	7.5	8.5	8.3	7.2
72.5°	7.5	5.7	7.0	8.3	8.0	7.0
73°	7.0	5.4	6.7	7.7	7.5	6.7
73.5°	6.7	5.2	6.4	7.5	7.2	6.2
74°	6.4	4.9	6.2	7.0	6.7	5.9
74.5°	5.9	4.6	5.7	6.7	6.4	5.7
75°	5.7	4.4	5.4	6.4	6.2	5.4
75.5°	5.4	4.1	5.2	5.9	5.9	5.2
76°	5.2	3.9	4.9	5.7	5.4	4.9
76.5°	4.9	3.9	4.6	5.4	5.2	4.6
77°	4.6	3.6	4.4	4.9	4.9	4.4
77.5°	4.4	3.4	4.1	4.6	4.6	4.1
78°	4.1	3.1	3.9	4.4	4.4	3.9
78.5°	3.9	2.8	3.6	4.1	3.9	3.6
79°	3.6	2.6	3.4	3.9	3.6	3.4
79.5°	3.4	2.6	3.1	3.6	3.4	3.1
80°	3.1	2.3	2.8	3.1	3.1	2.8
80.5°	2.8	2.1	2.6	2.8	2.8	2.6
81°	2.6	2.1	2.3	2.6	2.6	2.3
81.5°	2.3	1.8	2.1	2.3	2.3	2.3
82°	2.1	1.5	2.1	2.1	2.1	2.1
82.5°	1.8	1.5	1.8	2.1	1.8	1.8
83°	1.5	1.3	1.5	1.8	1.5	1.5
83.5°	1.5	1.0	1.3	1.5	1.3	1.5
84°	1.3	1.0	1.0	1.3	1.0	1.3
84.5°	1.0	0.8	1.0	1.0	1.0	1.0
85°	0.8	0.8	0.8	1.0	0.8	1.0
85.5°	0.8	0.5	0.5	0.8	0.5	0.8
86°	0.5	0.3	0.5	0.5	0.5	0.5
86.5°	0.3	0.3	0.3	0.5	0.3	0.5
87°	0.3	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.3
88°	0.0	0.0	0.0	0.0	0.0	0.3
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776184
CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-2500lm-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

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

Scaled Data Report





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

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Peachtree City, GA 30269

Scaled Data Report



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21.5°	1561.5	1593.5	1627.0	1653.1	1666.7	1674.7	1670.3	1652.5	1622.1	1598.4	1573.3
22°	1547.3	1579.8	1614.1	1641.2	1655.4	1663.4	1659.0	1640.7	1609.7	1585.7	1559.7



44°	409.1	567.5	864.2	753.8	631.8	779.6	935.7	692.6	497.9	601.8	795.6
44.5°	373.3	529.9	846.7	714.1	589.7	738.3	918.1	652.1	460.7	563.4	778.8



66.5°	11.9	13.7	15.7	14.7	12.9	14.4	16.0	13.9	11.6	12.9	13.7
67°	11.4	13.2	15.2	14.2	12.4	13.9	15.5	13.4	11.1	12.4	13.2



89°	0.0	0.0	0.3	0.3	0.5	0.5	0.3	0.3	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0

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Scaled Data Report



21.5°	1548.1	1518.1	1520.2	1530.8	1546.3	1561.5
22°	1534.1	1503.4	1505.2	1516.1	1531.6	1547.3



44°	481.1	310.3	429.3	734.2	535.8	409.1
44.5°	445.5	279.4	394.4	716.9	501.0	373.3



66.5°	12.1	10.1	11.6	13.7	13.2	11.9
67°	11.9	9.8	11.4	13.2	12.6	11.4

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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)