

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: P776106

Luminaire Tested: HCDJBS1525CSD-HCD6TSQH-2500lm-3000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776106
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-HCD6TSQH-2500lm-3000K
Description: 6 INCH SQUARE MEDIUM HAZE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

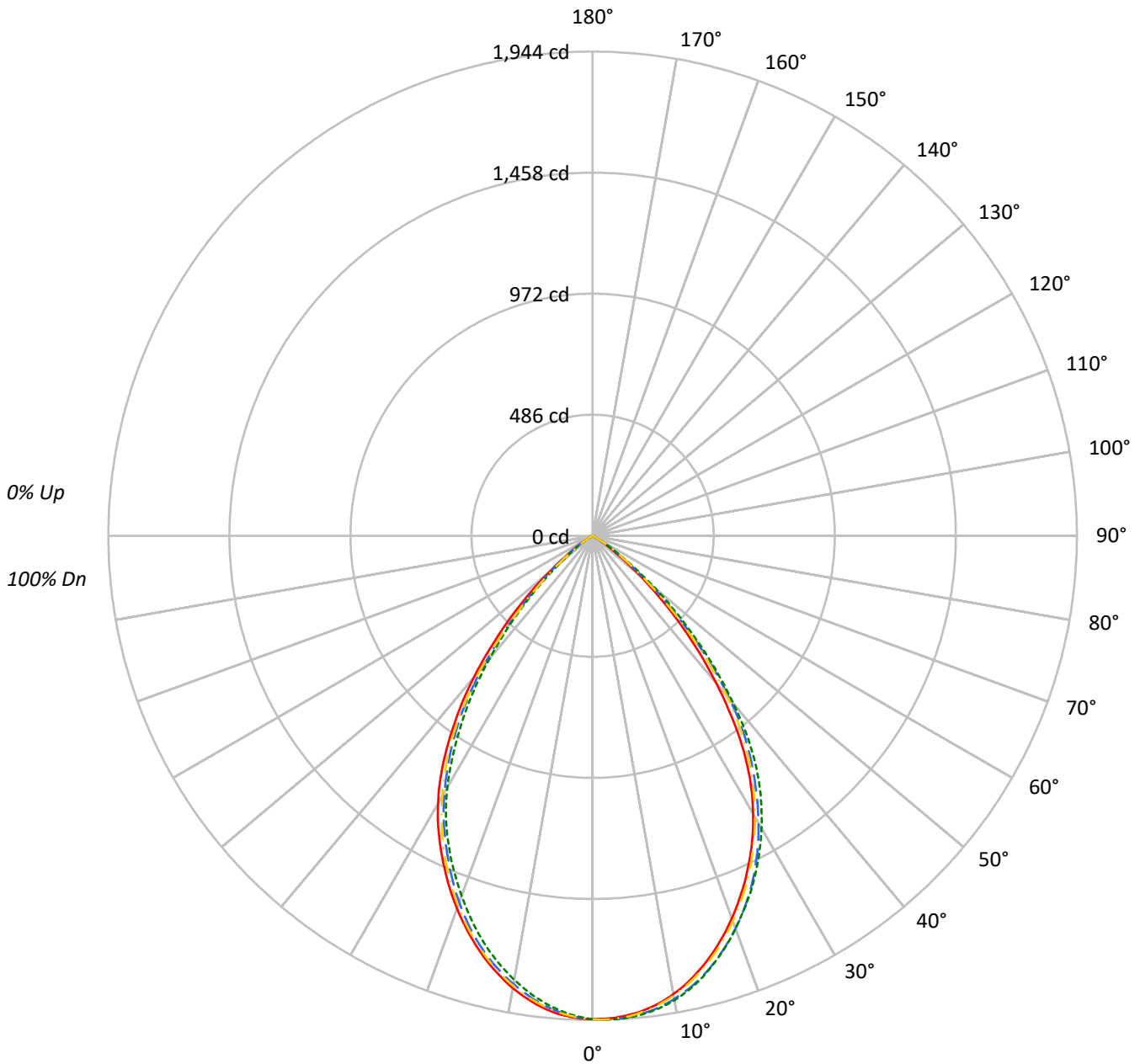
Lumens per Lamp: N/A
Luminaire Lumens: 2441.2 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77					77			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	69	64	61	68	64	60	59					59			
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	61	55	51	59	55	51	50					50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46					46			
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43					43			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	106417	106417	106417	106417
5°	105943	106587	105464	104397
10°	104028	105403	102642	100811
15°	100375	102418	98360	95897
20°	95348	97904	92875	89713
25°	89183	92528	86328	82759
30°	81557	85804	78569	73897
35°	70818	76941	67305	61208
40°	55203	62896	53057	45979
45°	37857	45656	36399	29561
50°	20852	27598	19940	14516
55°	7971	12119	8621	6184
60°	1053	3103	2072	811
65°	143	246	195	143
70°	32	64	64	64
75°	42	42	42	42
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 45656 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	7.4
10°-20°	491.3	20.1
20°-30°	664.6	27.2
30°-40°	638.0	26.1
40°-50°	371.6	15.2
50°-60°	91.5	3.7
60°-70°	2.9	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1337.1	54.8
0°-40°	1975.1	80.9
0°-60°	2438.1	99.9
0°-90°	2441.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2441.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1941	1941	1941	1941	1941	
5°	1925	1937	1916	1897	1925	182
15°	1769	1805	1733	1690	1769	496
25°	1474	1530	1427	1368	1474	676
35°	1058	1150	1006	915	1058	651
45°	488	589	470	381	488	377
55°	83	127	90	65	83	86
65°	1	2	2	1	1	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2
0.5°	1940.7	1941.0	1942.4	1943.7	1941.8	1942.7	1943.1	1942.2	1940.3	1939.5	1939.7
1°	1940.3	1941.2	1943.3	1944.8	1943.1	1943.5	1943.5	1942.0	1939.5	1937.8	1938.0
1.5°	1939.7	1941.2	1943.5	1945.4	1943.7	1944.2	1943.3	1941.4	1938.6	1936.1	1935.6
2°	1938.6	1941.0	1943.5	1945.4	1944.2	1944.2	1943.1	1940.3	1936.5	1933.9	1932.9
2.5°	1938.6	1940.1	1942.9	1945.0	1943.7	1943.5	1942.0	1938.8	1934.8	1931.2	1929.5
3°	1935.4	1938.8	1942.2	1944.4	1943.3	1942.9	1940.5	1936.5	1931.8	1928.0	1925.6
3.5°	1933.5	1937.3	1941.0	1943.3	1942.2	1941.2	1938.6	1934.2	1928.8	1924.4	1922.0
4°	1931.2	1935.6	1939.3	1941.8	1940.7	1939.7	1936.5	1931.0	1925.4	1920.5	1916.9
4.5°	1928.2	1933.5	1937.1	1939.9	1939.0	1937.6	1933.5	1927.6	1921.6	1915.6	1912.0
5°	1925.2	1930.7	1934.8	1937.8	1936.9	1935.0	1930.3	1923.7	1916.5	1910.5	1906.5
5.5°	1922.4	1927.6	1932.2	1935.0	1934.6	1932.2	1926.5	1919.3	1911.2	1905.0	1900.3
6°	1917.6	1923.9	1929.0	1932.0	1931.8	1928.8	1922.2	1913.9	1905.6	1899.0	1893.9
6.5°	1913.3	1920.3	1925.4	1928.8	1928.4	1925.0	1918.2	1908.2	1899.5	1892.7	1886.7
7°	1908.4	1915.9	1921.2	1925.2	1924.8	1921.2	1912.9	1902.5	1893.1	1885.6	1879.9
7.5°	1902.9	1911.0	1916.7	1920.7	1920.5	1916.7	1907.6	1895.6	1885.6	1878.0	1871.8
8°	1896.9	1905.6	1912.0	1915.9	1916.1	1912.0	1901.8	1888.8	1878.2	1870.1	1863.9
8.5°	1890.7	1899.9	1906.7	1910.7	1911.2	1906.5	1895.4	1881.6	1870.3	1862.0	1855.2
9°	1883.9	1893.5	1901.2	1905.2	1905.6	1900.7	1889.0	1873.9	1861.8	1853.5	1846.9
9.5°	1876.5	1887.1	1894.8	1899.3	1899.9	1894.8	1881.6	1865.6	1853.5	1844.4	1837.6
10°	1868.8	1880.1	1888.6	1892.9	1893.5	1888.0	1874.2	1857.3	1843.9	1835.2	1828.0
10.5°	1860.5	1872.5	1881.6	1886.1	1886.5	1881.0	1866.3	1848.2	1834.6	1825.6	1818.2
11°	1852.0	1864.8	1874.8	1878.8	1879.3	1873.1	1858.0	1839.1	1824.6	1815.6	1808.2
11.5°	1843.1	1856.5	1866.7	1871.0	1871.4	1865.2	1849.5	1829.5	1813.9	1805.4	1797.8
12°	1833.1	1847.8	1859.0	1862.7	1863.1	1856.5	1840.1	1819.5	1803.5	1794.8	1786.9
12.5°	1823.3	1838.6	1850.1	1854.4	1854.4	1847.6	1830.5	1809.3	1792.7	1783.7	1776.1
13°	1813.3	1829.5	1841.6	1845.9	1845.9	1838.4	1821.2	1798.8	1781.6	1772.5	1764.8
13.5°	1802.5	1819.3	1832.2	1836.1	1835.6	1828.2	1810.5	1787.8	1769.7	1761.0	1753.1
14°	1791.8	1809.3	1822.5	1826.5	1825.6	1818.2	1800.1	1776.5	1758.0	1748.8	1741.0
14.5°	1780.3	1798.4	1812.2	1816.5	1814.8	1807.1	1789.3	1764.6	1745.9	1736.1	1728.6
15°	1768.6	1787.8	1801.6	1806.1	1804.6	1796.3	1777.6	1752.7	1733.1	1723.1	1715.9
15.5°	1756.5	1776.3	1790.8	1795.6	1793.1	1785.0	1765.6	1740.3	1720.1	1710.5	1702.7
16°	1744.2	1764.4	1779.5	1783.9	1781.8	1773.3	1753.9	1727.8	1707.1	1697.1	1688.8
16.5°	1731.4	1752.5	1767.6	1772.5	1769.9	1761.0	1741.4	1714.8	1693.7	1683.1	1674.8
17°	1718.4	1740.1	1755.9	1760.8	1757.4	1748.6	1728.8	1701.6	1679.7	1668.6	1660.5
17.5°	1704.8	1727.6	1743.5	1748.8	1745.0	1735.9	1715.7	1687.6	1665.9	1654.2	1645.4
18°	1691.4	1714.4	1731.0	1736.1	1731.8	1722.9	1702.7	1674.0	1651.0	1639.3	1630.1
18.5°	1677.6	1701.0	1717.8	1723.3	1718.6	1709.7	1688.8	1659.5	1636.5	1624.0	1615.0
19°	1663.3	1687.4	1705.0	1710.3	1705.4	1696.3	1674.8	1645.0	1621.8	1609.1	1598.6
19.5°	1648.8	1673.3	1691.2	1696.9	1692.0	1682.3	1660.5	1630.1	1607.4	1592.9	1582.3
20°	1634.4	1659.3	1677.8	1683.3	1678.2	1667.8	1646.5	1615.7	1592.0	1576.9	1565.9
20.5°	1619.3	1644.4	1663.7	1668.6	1663.5	1653.7	1631.6	1600.3	1576.5	1560.8	1549.5
21°	1604.2	1629.5	1649.5	1654.6	1649.3	1639.1	1616.3	1585.2	1561.2	1544.8	1533.1



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1557.6	1583.1	1604.6	1609.5	1606.7	1593.3	1569.9	1539.7	1512.7	1494.6	1479.7
23°	1541.6	1566.9	1588.9	1594.0	1591.6	1577.1	1554.6	1523.3	1495.5	1477.2	1461.8
23.5°	1525.4	1550.3	1572.9	1578.0	1576.5	1561.0	1539.1	1506.9	1478.6	1459.3	1443.3
24°	1508.6	1534.0	1556.1	1561.6	1561.4	1544.8	1522.5	1490.3	1461.4	1441.6	1425.0
24.5°	1491.6	1517.2	1539.5	1545.2	1546.3	1531.2	1505.2	1473.5	1444.8	1423.8	1406.3
25°	1474.4	1500.1	1522.5	1528.4	1529.7	1514.4	1487.8	1456.7	1427.2	1405.9	1388.2
25.5°	1457.2	1482.0	1505.2	1511.0	1513.1	1497.2	1470.3	1439.3	1409.7	1387.6	1369.5
26°	1439.9	1464.8	1487.4	1494.0	1496.7	1480.3	1452.7	1422.3	1392.3	1369.5	1351.0
26.5°	1421.6	1447.2	1469.1	1476.3	1480.1	1462.5	1434.4	1404.6	1374.6	1351.2	1332.1
27°	1403.8	1428.4	1451.0	1458.4	1463.3	1445.2	1416.5	1387.2	1356.1	1332.9	1313.3
27.5°	1385.0	1409.5	1432.1	1440.3	1445.7	1427.2	1398.4	1369.3	1338.4	1314.2	1294.0
28°	1366.5	1390.6	1412.5	1421.6	1428.0	1409.3	1380.1	1351.0	1319.9	1294.4	1274.0
28.5°	1347.6	1371.4	1392.9	1402.9	1410.6	1391.0	1361.6	1332.9	1301.4	1274.4	1253.3
29°	1328.2	1351.8	1372.9	1383.8	1392.7	1372.7	1342.5	1314.0	1282.1	1254.6	1232.7
29.5°	1308.4	1331.4	1352.3	1364.4	1374.0	1354.4	1323.3	1294.2	1261.8	1234.0	1210.8
30°	1288.4	1310.8	1331.6	1344.6	1355.5	1335.7	1303.8	1274.4	1241.2	1213.1	1189.1
30.5°	1268.0	1289.9	1310.8	1323.8	1336.5	1316.3	1284.0	1253.8	1220.8	1191.2	1167.0
31°	1247.2	1268.7	1288.7	1303.8	1318.0	1297.0	1263.5	1233.1	1198.9	1169.3	1144.4
31.5°	1225.7	1247.0	1267.6	1282.7	1298.0	1277.4	1242.9	1211.8	1176.5	1147.2	1121.6
32°	1203.3	1224.4	1245.3	1261.2	1278.2	1257.4	1222.3	1190.1	1153.6	1124.4	1098.2
32.5°	1181.4	1202.9	1223.1	1239.3	1258.2	1236.7	1201.0	1168.0	1130.4	1101.2	1075.3
33°	1158.4	1180.1	1201.2	1217.8	1237.8	1215.9	1179.5	1144.8	1106.5	1077.2	1052.3
33.5°	1134.8	1157.4	1179.7	1195.9	1216.3	1194.8	1157.8	1121.4	1082.1	1053.1	1029.1
34°	1109.9	1134.0	1157.0	1173.8	1195.3	1173.1	1135.7	1097.8	1057.4	1029.3	1005.5
34.5°	1084.6	1111.0	1134.2	1151.4	1172.3	1150.4	1113.8	1073.6	1031.2	1003.8	981.2
35°	1058.2	1087.0	1111.0	1128.0	1149.7	1127.8	1091.2	1048.7	1005.7	978.2	957.2
35.5°	1031.9	1062.9	1088.9	1104.8	1125.9	1105.0	1068.7	1024.0	980.4	952.9	932.5
36°	1003.6	1038.7	1064.6	1081.6	1102.1	1081.9	1045.5	999.1	954.8	927.2	907.0
36.5°	975.3	1012.9	1041.9	1058.5	1076.5	1057.8	1021.4	973.8	928.9	901.0	880.6
37°	946.1	986.8	1017.6	1034.0	1050.6	1032.9	996.8	948.7	902.1	874.6	852.9
37.5°	917.2	959.5	992.7	1008.9	1023.8	1007.4	971.9	922.7	876.8	847.8	825.9
38°	887.2	931.7	966.8	981.9	996.1	980.6	945.9	897.0	850.2	820.4	797.4
38.5°	858.7	903.8	940.8	956.5	967.0	953.6	919.5	871.0	823.8	792.7	769.1
39°	828.9	874.8	913.4	928.9	938.2	925.7	892.1	844.8	796.8	764.9	740.8
39.5°	800.2	845.9	885.5	901.2	908.7	896.8	864.2	817.8	770.0	736.8	711.5
40°	771.4	815.3	856.3	872.5	878.9	866.3	835.7	790.2	741.4	707.8	682.1
40.5°	742.9	785.5	828.3	843.1	849.5	835.9	807.2	762.5	713.6	679.3	652.1
41°	714.0	757.4	799.5	813.1	820.2	804.9	776.6	734.6	685.1	651.0	622.3
41.5°	685.5	728.3	770.2	783.4	791.9	774.2	746.6	707.2	656.6	624.0	592.9
42°	656.8	698.9	740.0	765.7	762.9	743.4	716.1	678.0	627.8	595.7	564.0
42.5°	628.1	669.8	709.7	733.4	735.1	712.7	686.1	649.3	601.2	568.3	536.1
43°	598.9	640.4	679.5	700.4	706.8	682.5	656.3	620.0	573.8	541.0	509.3
43.5°	570.4	612.1	649.5	667.6	676.8	652.9	626.6	591.5	548.1	514.2	483.0



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	488.3	527.2	558.7	576.1	588.9	565.3	538.1	506.1	469.5	435.9	408.3
45.5°	462.3	498.9	528.9	547.8	560.0	535.9	509.1	479.5	443.8	411.0	384.9
46°	435.5	471.5	499.3	519.5	532.1	507.8	481.0	452.1	418.7	386.4	362.1
46.5°	409.1	444.2	470.0	491.5	505.1	480.2	452.7	425.5	393.2	363.6	340.2
47°	383.4	417.2	441.9	463.2	478.1	453.2	425.5	398.5	368.5	340.0	318.7
47.5°	358.3	390.6	414.9	435.7	451.3	426.8	398.9	373.0	344.7	318.3	298.5
48°	333.8	364.9	388.3	408.7	424.9	401.9	373.2	347.2	321.7	297.0	279.1
48.5°	310.4	340.0	362.1	382.5	398.9	377.9	348.5	322.7	299.1	277.2	260.8
49°	287.4	315.5	337.4	356.8	373.2	353.8	324.2	298.7	276.6	257.4	243.2
49.5°	265.3	291.7	313.2	331.9	347.6	330.6	301.9	275.9	254.9	238.7	225.7
50°	244.5	268.1	289.8	306.8	323.6	307.4	279.8	254.2	233.8	221.1	209.8
50.5°	223.8	245.1	266.8	283.0	300.0	285.5	258.9	233.6	214.0	205.5	195.1
51°	204.5	223.8	245.5	260.0	277.0	264.0	239.1	214.2	196.8	190.2	180.4
51.5°	185.3	203.6	224.7	238.3	255.5	243.6	220.2	197.9	179.8	174.7	165.9
52°	167.4	184.7	205.1	217.6	234.7	223.6	204.5	181.5	162.5	159.4	151.3
52.5°	150.4	166.4	185.9	197.4	214.5	206.6	188.5	164.9	145.5	144.0	137.7
53°	134.7	149.8	168.3	178.5	196.4	189.4	172.5	148.5	132.1	130.8	125.5
53.5°	119.8	134.5	151.1	160.8	178.3	172.3	156.6	134.7	120.0	118.9	113.6
54°	106.6	120.2	135.5	144.7	160.0	155.1	140.6	122.1	109.1	107.7	102.8
54.5°	94.5	106.8	120.2	129.4	142.1	138.1	127.7	110.6	99.4	96.8	91.7
55°	83.4	94.9	106.6	115.5	126.8	124.9	115.3	100.4	90.2	87.0	81.7
55.5°	72.8	83.2	93.6	102.5	113.0	111.3	103.6	90.2	81.3	77.2	71.9
56°	64.5	72.5	82.1	90.4	100.2	99.4	92.3	81.1	72.8	68.3	63.0
56.5°	56.0	64.0	72.1	78.9	88.5	87.9	81.7	72.3	64.7	59.8	54.5
57°	47.7	55.7	63.4	69.8	77.7	77.2	71.9	63.8	56.8	51.9	46.8
57.5°	39.4	47.2	54.5	60.8	67.2	67.0	62.5	55.7	49.6	44.7	39.6
58°	31.5	38.7	45.7	51.7	57.9	57.7	54.0	48.3	42.6	37.2	31.7
58.5°	23.8	30.4	37.0	42.8	49.4	49.1	46.2	41.1	35.1	31.7	27.0
59°	17.4	23.0	28.7	33.8	41.1	41.5	38.3	33.2	29.8	26.2	22.1
59.5°	12.8	16.8	21.1	25.3	34.7	35.7	32.3	28.1	24.5	20.4	17.4
60°	9.6	12.1	15.3	18.5	28.3	30.0	26.6	23.0	18.9	14.9	12.8
60.5°	7.0	9.1	11.1	13.2	21.9	24.3	20.6	17.9	13.6	9.4	7.9
61°	6.0	7.9	8.3	9.8	15.5	18.5	14.7	12.8	8.5	7.2	6.2
61.5°	4.9	6.6	7.0	7.2	9.1	12.8	8.9	7.7	6.4	5.7	4.9
62°	3.8	5.3	5.7	6.2	6.8	7.0	6.8	5.7	4.9	4.5	4.0
62.5°	2.8	4.0	4.5	5.1	5.3	5.3	5.1	4.7	3.8	3.6	3.2
63°	2.3	3.0	3.4	4.0	4.3	4.3	4.0	3.6	3.2	3.0	2.8
63.5°	1.9	2.3	2.8	3.0	3.4	3.4	3.2	3.0	2.6	2.6	2.3
64°	1.5	1.9	2.3	2.6	2.8	2.8	2.8	2.6	2.1	2.1	1.9
64.5°	1.3	1.7	1.9	2.1	2.3	2.3	2.1	2.1	1.7	1.7	1.7
65°	1.1	1.5	1.7	1.7	1.9	1.9	1.9	1.7	1.5	1.5	1.5
65.5°	1.1	1.3	1.3	1.5	1.7	1.5	1.5	1.5	1.3	1.3	1.3
66°	0.9	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6
68°	0.4	0.6	0.6	0.6	0.9	0.6	0.9	0.6	0.6	0.6	0.6
68.5°	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
69°	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.4	0.4
69.5°	0.4	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
71°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
71.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2
77°	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-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: P776106

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2
0.5°	1940.5	1938.2	1939.5	1940.5	1941.2	1940.7
1°	1938.4	1935.6	1937.1	1938.8	1939.9	1940.3
1.5°	1935.6	1932.7	1934.6	1936.5	1938.8	1939.7
2°	1932.2	1929.0	1931.2	1933.9	1936.5	1938.6
2.5°	1928.6	1925.0	1927.1	1931.0	1934.4	1938.6
3°	1924.4	1920.3	1923.1	1927.1	1932.2	1935.4
3.5°	1919.7	1915.2	1918.2	1923.5	1929.3	1933.5
4°	1914.8	1909.9	1913.1	1919.3	1926.3	1931.2
4.5°	1909.3	1903.7	1907.6	1914.6	1922.4	1928.2
5°	1903.1	1897.1	1901.4	1909.3	1918.4	1925.2
5.5°	1896.5	1890.5	1894.8	1903.7	1913.7	1922.4
6°	1889.5	1883.3	1888.2	1898.0	1909.0	1917.6
6.5°	1882.0	1875.2	1880.7	1891.4	1903.7	1913.3
7°	1874.4	1867.6	1873.1	1884.6	1898.2	1908.4
7.5°	1866.1	1858.8	1865.0	1877.8	1892.0	1902.9
8°	1857.8	1849.7	1856.7	1870.1	1885.4	1896.9
8.5°	1848.8	1840.3	1847.8	1862.0	1878.0	1890.7
9°	1839.9	1831.0	1838.4	1853.7	1870.5	1883.9
9.5°	1829.9	1821.0	1829.1	1844.8	1862.5	1876.5
10°	1820.1	1811.0	1819.1	1835.9	1854.2	1868.8
10.5°	1809.7	1799.9	1809.1	1826.3	1845.4	1860.5
11°	1799.1	1788.8	1798.4	1816.1	1836.3	1852.0
11.5°	1788.2	1777.8	1787.4	1805.6	1826.7	1843.1
12°	1776.7	1765.9	1776.1	1795.0	1816.5	1833.1
12.5°	1765.2	1754.2	1764.6	1783.7	1806.1	1823.3
13°	1753.1	1741.8	1752.5	1772.5	1795.6	1813.3
13.5°	1740.8	1729.3	1739.9	1760.5	1784.4	1802.5
14°	1727.8	1716.5	1727.1	1748.8	1773.1	1791.8
14.5°	1714.6	1703.3	1714.2	1736.5	1761.2	1780.3
15°	1701.0	1689.7	1700.8	1723.7	1749.7	1768.6
15.5°	1687.8	1675.4	1686.9	1710.5	1736.7	1756.5
16°	1673.5	1661.6	1673.1	1697.6	1724.2	1744.2
16.5°	1659.3	1646.7	1658.6	1684.4	1711.4	1731.4
17°	1644.4	1632.3	1644.2	1670.5	1698.2	1718.4
17.5°	1629.9	1616.9	1629.3	1655.9	1684.0	1704.8
18°	1615.0	1601.4	1614.4	1641.4	1669.9	1691.4
18.5°	1599.5	1585.7	1599.3	1626.5	1655.7	1677.6
19°	1584.2	1570.3	1583.3	1611.2	1640.8	1663.3
19.5°	1568.6	1554.4	1568.0	1596.1	1625.9	1648.8
20°	1553.1	1537.8	1552.5	1580.1	1610.6	1634.4
20.5°	1537.8	1521.6	1536.5	1564.0	1594.6	1619.3
21°	1521.2	1505.2	1520.3	1547.8	1578.6	1604.2

TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1470.3	1455.5	1470.3	1496.5	1528.6	1557.6
23°	1452.9	1438.2	1452.9	1479.1	1511.4	1541.6
23.5°	1435.7	1421.2	1436.3	1461.6	1494.0	1525.4
24°	1417.8	1403.8	1418.4	1443.8	1476.1	1508.6
24.5°	1399.9	1386.3	1401.2	1425.5	1458.6	1491.6
25°	1382.1	1368.2	1383.1	1407.2	1440.8	1474.4
25.5°	1363.8	1350.4	1365.2	1388.9	1422.5	1457.2
26°	1345.9	1332.3	1346.3	1369.5	1404.4	1439.9
26.5°	1327.2	1313.5	1327.2	1351.0	1385.9	1421.6
27°	1308.0	1294.4	1307.8	1330.8	1367.2	1403.8
27.5°	1288.4	1275.3	1287.8	1311.0	1348.0	1385.0
28°	1268.4	1254.2	1266.7	1290.8	1328.4	1366.5
28.5°	1247.6	1233.3	1246.7	1270.4	1308.7	1347.6
29°	1226.7	1211.8	1225.3	1249.7	1288.7	1328.2
29.5°	1205.5	1190.1	1203.3	1228.2	1268.2	1308.4
30°	1183.3	1167.4	1181.0	1207.0	1247.8	1288.4
30.5°	1160.8	1143.1	1158.4	1185.0	1226.3	1268.0
31°	1137.8	1118.9	1134.6	1163.1	1204.8	1247.2
31.5°	1114.4	1094.2	1110.8	1141.4	1183.1	1225.7
32°	1090.8	1068.9	1085.9	1118.0	1161.2	1203.3
32.5°	1066.1	1043.8	1061.2	1095.7	1138.9	1181.4
33°	1041.0	1017.6	1035.9	1072.7	1115.5	1158.4
33.5°	1015.5	991.9	1010.6	1049.5	1092.3	1134.8
34°	989.7	966.1	985.5	1025.5	1068.2	1109.9
34.5°	963.4	940.2	959.7	1000.2	1044.2	1084.6
35°	937.4	914.6	933.6	974.8	1018.7	1058.2
35.5°	911.2	888.9	908.5	948.9	993.4	1031.9
36°	884.4	863.6	882.9	922.5	965.9	1003.6
36.5°	857.8	837.8	857.2	895.5	938.0	975.3
37°	830.8	811.7	831.0	865.7	909.3	946.1
37.5°	803.6	784.9	804.4	837.8	881.2	917.2
38°	776.1	758.5	777.0	808.3	850.6	887.2
38.5°	747.8	729.5	748.5	779.7	820.4	858.7
39°	720.4	700.6	720.0	763.4	789.1	828.9
39.5°	692.3	671.5	691.5	730.2	753.8	800.2
40°	664.0	642.5	662.7	696.8	724.4	771.4
40.5°	635.9	614.6	634.2	663.6	695.1	742.9
41°	608.1	587.8	604.4	630.4	665.9	714.0
41.5°	581.5	561.2	575.7	601.0	636.6	685.5
42°	553.4	535.5	547.6	571.5	607.0	656.8
42.5°	526.4	509.3	520.6	542.3	578.1	628.1
43°	499.8	483.6	493.8	513.4	548.5	598.9
43.5°	472.7	457.6	466.4	485.1	520.0	570.4



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	397.6	381.3	387.4	403.2	439.3	488.3
45.5°	373.6	357.4	361.5	377.6	414.4	462.3
46°	350.2	334.0	336.8	353.2	389.8	435.5
46.5°	328.5	310.4	312.5	329.6	366.4	409.1
47°	305.9	288.1	289.6	306.6	342.5	383.4
47.5°	285.3	266.2	267.6	284.9	320.4	358.3
48°	265.5	245.1	246.4	264.0	297.9	333.8
48.5°	246.4	224.5	226.6	244.2	276.4	310.4
49°	228.3	205.5	207.6	225.5	255.1	287.4
49.5°	211.1	187.2	189.8	207.4	235.3	265.3
50°	195.7	170.2	173.6	190.6	215.5	244.5
50.5°	180.6	154.9	158.1	174.5	197.2	223.8
51°	165.3	141.1	144.2	159.6	180.0	204.5
51.5°	150.2	128.5	131.3	145.1	163.6	185.3
52°	137.2	117.2	119.6	132.1	148.3	167.4
52.5°	124.7	107.0	108.5	119.8	133.8	150.4
53°	112.8	97.2	98.7	107.9	120.0	134.7
53.5°	102.1	88.3	89.1	96.6	107.2	119.8
54°	91.9	79.8	80.2	86.4	95.5	106.6
54.5°	82.1	72.1	72.5	76.6	84.7	94.5
55°	73.2	64.7	64.9	68.5	73.8	83.4
55.5°	64.3	57.2	57.4	60.4	65.5	72.8
56°	56.2	49.8	49.8	52.3	57.2	64.5
56.5°	48.7	42.3	42.1	44.5	48.9	56.0
57°	41.7	34.7	34.5	36.4	40.6	47.7
57.5°	34.0	27.0	27.0	28.5	32.8	39.4
58°	28.9	20.6	20.4	21.7	25.1	31.5
58.5°	23.8	15.5	15.1	16.0	18.7	23.8
59°	18.7	11.5	11.3	11.9	13.8	17.4
59.5°	13.6	8.7	8.5	8.9	10.2	12.8
60°	8.5	7.4	7.2	7.7	7.7	9.6
60.5°	6.6	6.0	6.0	6.4	6.6	7.0
61°	5.3	4.7	4.5	5.3	5.3	6.0
61.5°	4.3	3.4	3.2	4.0	4.3	4.9
62°	3.4	2.8	2.8	2.8	3.2	3.8
62.5°	2.8	2.3	2.1	2.3	2.6	2.8
63°	2.3	1.9	1.9	1.9	2.1	2.3
63.5°	1.9	1.7	1.5	1.5	1.7	1.9
64°	1.7	1.5	1.3	1.3	1.5	1.5
64.5°	1.5	1.3	1.1	1.1	1.3	1.3
65°	1.3	1.1	0.9	1.1	1.1	1.1
65.5°	1.1	0.9	0.9	0.9	0.9	1.1
66°	0.9	0.9	0.6	0.6	0.9	0.9



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.6	0.6	0.4	0.4	0.6	0.6
68°	0.6	0.4	0.4	0.4	0.4	0.4
68.5°	0.4	0.4	0.4	0.4	0.4	0.4
69°	0.4	0.4	0.4	0.4	0.4	0.4
69.5°	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.2	0.2	0.2	0.2
70.5°	0.4	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.0	0.0	0.2
75.5°	0.2	0.0	0.0	0.0	0.0	0.0
76°	0.2	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776106

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-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

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Scaled Data Report





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

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Scaled Data Report



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Scaled Data Report





21.5°	1588.6	1614.2	1635.0	1639.9	1635.2	1624.2	1601.0	1570.1	1545.9	1528.9	1515.5
22°	1573.3	1598.9	1619.7	1624.8	1620.8	1609.5	1585.4	1554.8	1529.1	1511.8	1498.0



44°	542.1	583.6	619.3	634.4	647.2	623.8	596.4	562.1	520.8	487.2	457.4
44.5°	514.9	555.5	588.9	605.3	617.8	594.6	567.6	534.0	495.9	461.9	433.2



66.5°	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9
67°	0.6	0.9	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.9	0.9



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

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21.5°	1504.2	1488.9	1503.7	1530.8	1562.0	1588.6
22°	1487.4	1472.0	1487.2	1514.0	1545.4	1573.3



44°	447.2	431.5	439.6	457.2	492.7	542.1
44.5°	422.5	405.9	413.6	430.0	465.9	514.9

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Scaled Data Report



66.5°	0.9	0.6	0.6	0.6	0.6	0.6
67°	0.6	0.6	0.6	0.6	0.6	0.6

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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

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Scaled Data Report



(END OF REPORT)