

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: P776209

Luminaire Tested: HCDJBS1525CSD-HCD8TSQH-2500lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B005-HCD4TSQC)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD8TSQH-2500lm-5000K
Description: 8 INCH SQUARE MEDIUM HAZE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

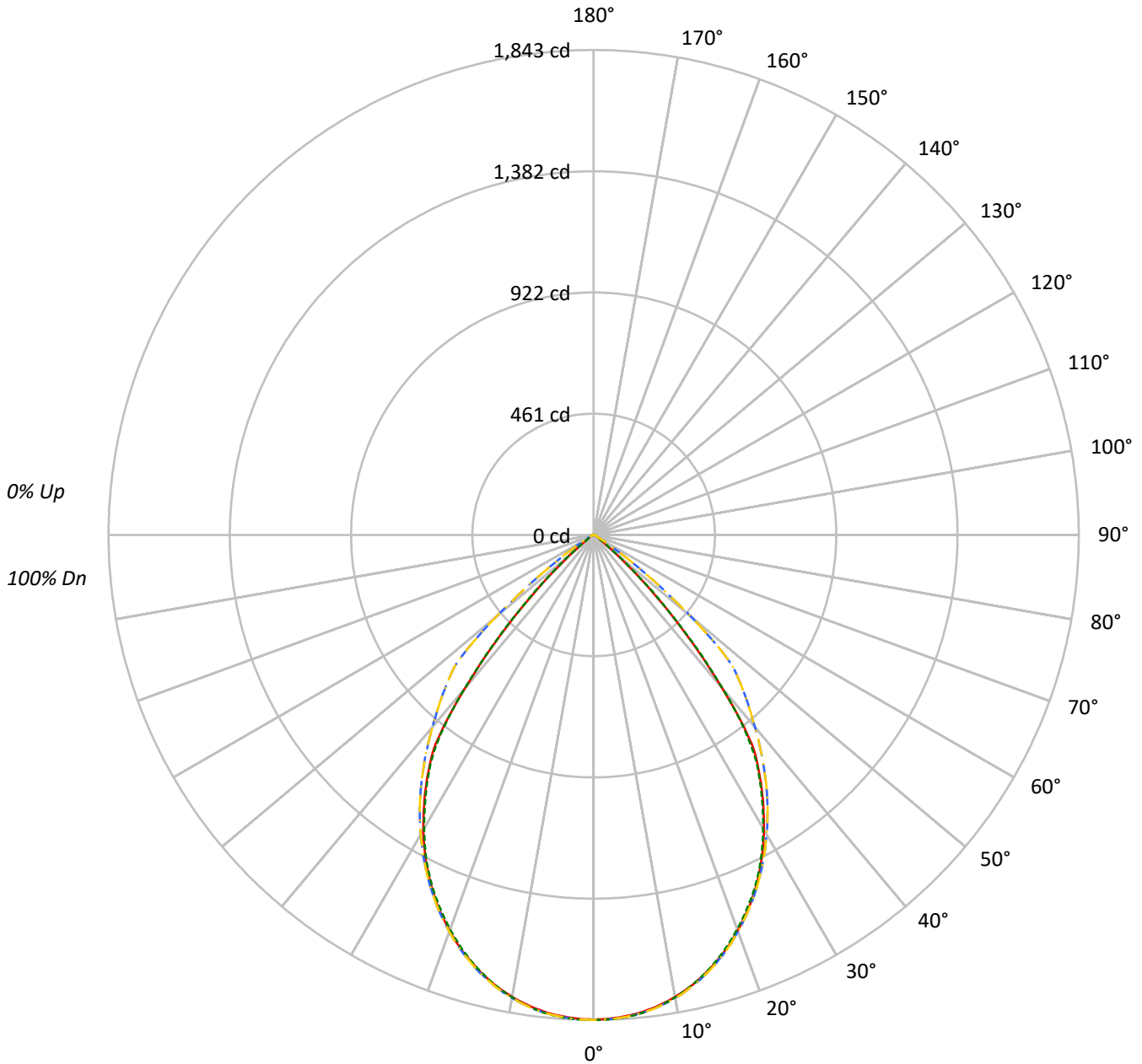
Lumens per Lamp: N/A
Luminaire Lumens: 2537.5 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.15
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
CIE Type: Direct

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				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	100	100	100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92	92	92	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84	84	84	84
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	83	80	78	76	76	76	76
4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69	69	69	69
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63	63	63	63
6	83	72	66	61	81	72	65	60	70	64	60	69	63	60	67	63	59	58	58	58	58
7	78	67	60	55	76	66	60	55	65	59	55	64	59	55	63	58	54	53	53	53	53
8	73	62	56	51	72	62	55	51	61	55	51	59	54	50	58	54	50	48	48	48	48
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45	45	45	45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41	41

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44190	44190	44190	44190
5°	43978	44072	43978	44072
10°	43408	43445	43408	43445
15°	42373	42320	42373	42320
20°	40843	40692	40843	40692
25°	38736	38606	38736	38606
30°	35825	35659	35825	35659
35°	32015	31848	32015	31848
40°	23774	23905	23774	23905
45°	12459	12774	12459	12774
50°	4044	4368	4044	4368
55°	1338	1229	1338	1229
60°	1017	954	1017	954
65°	777	749	777	749
70°	617	596	617	596
75°	500	500	500	500
80°	387	428	387	428
85°	275	275	275	275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 26484 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	6.8
10°-20°	480.1	18.9
20°-30°	672.5	26.5
30°-40°	690.9	27.2
40°-50°	418.5	16.5
50°-60°	78.7	3.1
60°-70°	15.2	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°	1325.9	52.3
0°-40°	2016.8	79.5
0°-60°	2514.0	99.1
0°-90°	2537.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2537.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1843	1843	1843	1843	1843	
5°	1827	1831	1827	1831	1827	173
15°	1707	1705	1707	1705	1707	480
25°	1464	1459	1464	1459	1464	671
35°	1094	1088	1094	1088	1094	668
45°	367	377	367	377	367	294
55°	32	29	32	29	32	37
65°	14	13	14	13	14	14
75°	5	5	5	5	5	6
85°	1	1	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°	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9
0.5°	1841.1	1841.8	1843.1	1843.9	1843.4	1843.9	1843.1	1841.8	1841.1	1841.8	1843.1
1°	1840.8	1841.6	1842.6	1843.4	1843.1	1843.4	1842.6	1841.6	1840.8	1841.6	1842.6
1.5°	1840.0	1840.8	1842.1	1842.9	1842.6	1842.9	1842.1	1840.8	1840.0	1840.8	1842.1
2°	1839.0	1839.8	1841.1	1842.1	1841.6	1842.1	1841.1	1839.8	1839.0	1839.8	1841.1
2.5°	1837.7	1838.5	1840.0	1840.8	1840.6	1840.8	1840.0	1838.5	1837.7	1838.5	1840.0
3°	1836.2	1837.2	1838.5	1839.5	1839.3	1839.5	1838.5	1837.2	1836.2	1837.2	1838.5
3.5°	1834.4	1835.4	1836.9	1838.0	1837.7	1838.0	1836.9	1835.4	1834.4	1835.4	1836.9
4°	1832.3	1833.3	1834.9	1836.2	1835.9	1836.2	1834.9	1833.3	1832.3	1833.3	1834.9
4.5°	1830.0	1830.7	1832.6	1833.8	1833.6	1833.8	1832.6	1830.7	1830.0	1830.7	1832.6
5°	1827.1	1828.2	1830.2	1831.5	1831.0	1831.5	1830.2	1828.2	1827.1	1828.2	1830.2
5.5°	1824.3	1825.3	1827.4	1828.7	1827.9	1828.7	1827.4	1825.3	1824.3	1825.3	1827.4
6°	1820.7	1822.0	1824.3	1825.6	1824.8	1825.6	1824.3	1822.0	1820.7	1822.0	1824.3
6.5°	1817.1	1818.6	1820.9	1822.0	1820.9	1822.0	1820.9	1818.6	1817.1	1818.6	1820.9
7°	1813.2	1814.8	1817.1	1817.8	1816.8	1817.8	1817.1	1814.8	1813.2	1814.8	1817.1
7.5°	1808.8	1810.6	1812.9	1813.5	1812.2	1813.5	1812.9	1810.6	1808.8	1810.6	1812.9
8°	1804.2	1806.2	1808.6	1808.8	1807.5	1808.8	1808.6	1806.2	1804.2	1806.2	1808.6
8.5°	1799.3	1801.3	1803.7	1803.4	1802.1	1803.4	1803.7	1801.3	1799.3	1801.3	1803.7
9°	1794.1	1796.2	1798.5	1798.0	1796.4	1798.0	1798.5	1796.2	1794.1	1796.2	1798.5
9.5°	1788.7	1790.8	1793.1	1792.0	1790.5	1792.0	1793.1	1790.8	1788.7	1790.8	1793.1
10°	1782.8	1785.3	1787.1	1786.1	1784.3	1786.1	1787.1	1785.3	1782.8	1785.3	1787.1
10.5°	1776.6	1779.1	1781.0	1779.7	1777.9	1779.7	1781.0	1779.1	1776.6	1779.1	1781.0
11°	1770.1	1773.0	1774.5	1773.0	1770.9	1773.0	1774.5	1773.0	1770.1	1773.0	1774.5
11.5°	1763.4	1766.2	1767.5	1765.7	1763.7	1765.7	1767.5	1766.2	1763.4	1766.2	1767.5
12°	1756.2	1759.3	1760.3	1758.5	1756.4	1758.5	1760.3	1759.3	1756.2	1759.3	1760.3
12.5°	1748.7	1752.1	1752.8	1750.8	1748.4	1750.8	1752.8	1752.1	1748.7	1752.1	1752.8
13°	1741.0	1744.3	1745.1	1742.8	1740.4	1742.8	1745.1	1744.3	1741.0	1744.3	1745.1
13.5°	1733.0	1736.3	1736.8	1734.5	1731.9	1734.5	1736.8	1736.3	1733.0	1736.3	1736.8
14°	1724.5	1728.3	1728.6	1726.0	1723.2	1726.0	1728.6	1728.3	1724.5	1728.3	1728.6
14.5°	1715.9	1719.6	1719.8	1717.0	1714.1	1717.0	1719.8	1719.6	1715.9	1719.6	1719.8
15°	1706.9	1710.8	1711.0	1707.7	1704.8	1707.7	1711.0	1710.8	1706.9	1710.8	1711.0
15.5°	1697.6	1701.8	1701.5	1698.1	1695.0	1698.1	1701.5	1701.8	1697.6	1701.8	1701.5
16°	1688.1	1692.2	1691.9	1688.3	1685.2	1688.3	1691.9	1692.2	1688.1	1692.2	1691.9
16.5°	1678.3	1682.4	1681.9	1678.3	1674.9	1678.3	1681.9	1682.4	1678.3	1682.4	1681.9
17°	1668.2	1672.3	1671.8	1667.7	1664.3	1667.7	1671.8	1672.3	1668.2	1672.3	1671.8
17.5°	1657.6	1662.0	1661.2	1657.1	1653.5	1657.1	1661.2	1662.0	1657.6	1662.0	1661.2
18°	1646.8	1651.2	1650.2	1646.0	1642.2	1646.0	1650.2	1651.2	1646.8	1651.2	1650.2
18.5°	1635.7	1640.1	1639.3	1634.9	1630.5	1634.9	1639.3	1640.1	1635.7	1640.1	1639.3
19°	1624.4	1629.0	1628.0	1623.3	1618.9	1623.3	1628.0	1629.0	1624.4	1629.0	1628.0
19.5°	1612.5	1617.4	1616.1	1611.5	1606.8	1611.5	1616.1	1617.4	1612.5	1617.4	1616.1
20°	1600.6	1605.5	1604.2	1599.6	1594.7	1599.6	1604.2	1605.5	1600.6	1605.5	1604.2
20.5°	1588.5	1593.4	1592.1	1586.9	1582.0	1586.9	1592.1	1593.4	1588.5	1593.4	1592.1
21°	1575.8	1580.7	1579.7	1574.3	1569.1	1574.3	1579.7	1580.7	1575.8	1580.7	1579.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1536.4	1541.8	1540.5	1534.8	1529.9	1534.8	1540.5	1541.8	1536.4	1541.8	1540.5
23°	1522.7	1528.1	1527.1	1521.2	1516.3	1521.2	1527.1	1528.1	1522.7	1528.1	1527.1
23.5°	1508.5	1514.4	1513.4	1507.5	1502.8	1507.5	1513.4	1514.4	1508.5	1514.4	1513.4
24°	1494.3	1500.0	1499.5	1493.5	1488.9	1493.5	1499.5	1500.0	1494.3	1500.0	1499.5
24.5°	1479.4	1485.5	1485.3	1479.6	1474.2	1479.6	1485.3	1485.5	1479.4	1485.5	1485.3
25°	1464.1	1470.8	1470.6	1465.4	1459.2	1465.4	1470.6	1470.8	1464.1	1470.8	1470.6
25.5°	1448.9	1455.9	1455.9	1450.5	1444.3	1450.5	1455.9	1455.9	1448.9	1455.9	1455.9
26°	1432.9	1440.4	1440.9	1436.0	1428.8	1436.0	1440.9	1440.4	1432.9	1440.4	1440.9
26.5°	1416.9	1424.7	1425.7	1420.8	1412.5	1420.8	1425.7	1424.7	1416.9	1424.7	1425.7
27°	1400.2	1408.7	1410.2	1405.3	1395.8	1405.3	1410.2	1408.7	1400.2	1408.7	1410.2
27.5°	1383.6	1392.4	1394.7	1389.3	1379.0	1389.3	1394.7	1392.4	1383.6	1392.4	1394.7
28°	1366.4	1375.6	1379.0	1372.8	1361.2	1372.8	1379.0	1375.6	1366.4	1375.6	1379.0
28.5°	1348.8	1358.6	1362.7	1356.0	1343.1	1356.0	1362.7	1358.6	1348.8	1358.6	1362.7
29°	1330.5	1341.8	1346.7	1339.0	1325.1	1339.0	1346.7	1341.8	1330.5	1341.8	1346.7
29.5°	1312.2	1324.6	1330.7	1321.2	1306.5	1321.2	1330.7	1324.6	1312.2	1324.6	1330.7
30°	1293.9	1306.8	1314.0	1303.4	1287.9	1303.4	1314.0	1306.8	1293.9	1306.8	1314.0
30.5°	1275.0	1288.7	1297.5	1285.1	1268.8	1285.1	1297.5	1288.7	1275.0	1288.7	1297.5
31°	1255.4	1270.4	1280.4	1267.0	1249.7	1267.0	1280.4	1270.4	1255.4	1270.4	1280.4
31.5°	1236.3	1252.1	1263.7	1248.4	1230.1	1248.4	1263.7	1252.1	1236.3	1252.1	1263.7
32°	1216.7	1233.2	1246.6	1229.9	1210.3	1229.9	1246.6	1233.2	1216.7	1233.2	1246.6
32.5°	1196.8	1214.1	1229.4	1210.5	1190.4	1210.5	1229.4	1214.1	1196.8	1214.1	1229.4
33°	1176.7	1195.0	1211.8	1191.9	1170.5	1191.9	1211.8	1195.0	1176.7	1195.0	1211.8
33.5°	1156.6	1176.2	1194.0	1172.9	1150.2	1172.9	1194.0	1176.2	1156.6	1176.2	1194.0
34°	1135.7	1156.9	1176.0	1153.8	1129.5	1153.8	1176.0	1156.9	1135.7	1156.9	1176.0
34.5°	1115.1	1137.3	1157.9	1134.7	1108.6	1134.7	1157.9	1137.3	1115.1	1137.3	1157.9
35°	1093.7	1117.6	1139.8	1115.1	1088.0	1115.1	1139.8	1117.6	1093.7	1117.6	1139.8
35.5°	1073.0	1098.3	1121.0	1095.7	1067.3	1095.7	1121.0	1098.3	1073.0	1098.3	1121.0
36°	1051.6	1078.4	1102.2	1076.1	1042.8	1076.1	1102.2	1078.4	1051.6	1078.4	1102.2
36.5°	1028.6	1058.0	1083.8	1056.2	1015.2	1056.2	1083.8	1058.0	1028.6	1058.0	1083.8
37°	1001.0	1038.2	1065.0	1036.4	984.8	1036.4	1065.0	1038.2	1001.0	1038.2	1065.0
37.5°	964.9	1017.8	1046.4	1016.3	953.3	1016.3	1046.4	1017.8	964.9	1017.8	1046.4
38°	928.5	997.7	1027.1	996.4	919.8	996.4	1027.1	997.7	928.5	997.7	1027.1
38.5°	888.3	977.3	1008.5	974.5	885.4	974.5	1008.5	977.3	888.3	977.3	1008.5
39°	846.5	956.1	989.9	948.9	847.0	948.9	989.9	956.1	846.5	956.1	989.9
39.5°	802.9	925.4	971.6	920.3	806.5	920.3	971.6	925.4	802.9	925.4	971.6
40°	759.5	892.4	953.0	889.1	763.7	889.1	953.0	892.4	759.5	892.4	953.0
40.5°	716.2	855.0	934.7	855.8	721.4	855.8	934.7	855.0	716.2	855.0	934.7
41°	675.2	816.3	916.9	820.2	680.6	820.2	916.9	816.3	675.2	816.3	916.9
41.5°	634.4	776.6	899.6	782.8	640.1	782.8	899.6	776.6	634.4	776.6	899.6
42°	594.7	736.8	882.4	743.5	600.9	743.5	882.4	736.8	594.7	736.8	882.4
42.5°	555.0	697.6	865.3	704.3	561.1	704.3	865.3	697.6	555.0	697.6	865.3
43°	515.7	657.9	848.3	664.9	522.7	664.9	848.3	657.9	515.7	657.9	848.3
43.5°	476.3	619.2	831.5	626.2	484.0	626.2	831.5	619.2	476.3	619.2	831.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	367.4	506.7	781.0	515.5	376.7	515.5	781.0	506.7	367.4	506.7	781.0
45.5°	333.3	469.8	764.2	478.8	343.9	478.8	764.2	469.8	333.3	469.8	764.2
46°	301.6	434.2	747.2	442.7	312.4	442.7	747.2	434.2	301.6	434.2	747.2
46.5°	270.4	399.6	729.6	407.6	280.4	407.6	729.6	399.6	270.4	399.6	729.6
47°	239.7	365.6	705.1	373.3	249.5	373.3	705.1	365.6	239.7	365.6	705.1
47.5°	210.3	332.8	675.2	341.3	221.9	341.3	675.2	332.8	210.3	332.8	675.2
48°	185.2	301.1	639.6	309.9	197.6	309.9	639.6	301.1	185.2	301.1	639.6
48.5°	162.3	270.9	601.9	279.4	174.9	279.4	601.9	270.9	162.3	270.9	601.9
49°	141.9	241.5	562.4	249.5	154.3	249.5	562.4	241.5	141.9	241.5	562.4
49.5°	124.1	213.1	521.9	222.7	134.9	222.7	521.9	213.1	124.1	213.1	521.9
50°	108.4	186.5	480.9	196.9	117.1	196.9	480.9	186.5	108.4	186.5	480.9
50.5°	93.7	162.5	440.4	173.1	100.4	173.1	440.4	162.5	93.7	162.5	440.4
51°	80.2	141.1	400.4	150.9	84.4	150.9	400.4	141.1	80.2	141.1	400.4
51.5°	69.4	122.3	363.0	130.8	70.9	130.8	363.0	122.3	69.4	122.3	363.0
52°	58.6	105.8	328.7	113.3	60.4	113.3	328.7	105.8	58.6	105.8	328.7
52.5°	49.3	91.1	295.1	97.0	53.1	97.0	295.1	91.1	49.3	91.1	295.1
53°	42.6	77.7	263.9	82.0	46.2	82.0	263.9	77.7	42.6	77.7	263.9
53.5°	36.4	66.3	233.2	68.1	39.0	68.1	233.2	66.3	36.4	66.3	233.2
54°	34.8	55.5	205.1	55.7	32.0	55.7	205.1	55.5	34.8	55.5	205.1
54.5°	33.3	46.4	178.3	46.2	30.4	46.2	178.3	46.4	33.3	46.4	178.3
55°	32.0	38.4	154.5	38.7	29.4	38.7	154.5	38.4	32.0	38.4	154.5
55.5°	30.7	32.8	133.1	33.3	28.1	33.3	133.1	32.8	30.7	32.8	133.1
56°	29.4	30.2	113.8	29.2	27.1	29.2	113.8	30.2	29.4	30.2	113.8
56.5°	28.1	28.9	96.5	27.1	26.1	27.1	96.5	28.9	28.1	28.9	96.5
57°	27.1	27.9	82.0	26.1	25.0	26.1	82.0	27.9	27.1	27.9	82.0
57.5°	25.8	26.8	69.4	25.0	24.0	25.0	69.4	26.8	25.8	26.8	69.4
58°	24.8	25.8	59.1	24.3	23.2	24.3	59.1	25.8	24.8	25.8	59.1
58.5°	23.7	24.8	49.8	23.2	22.2	23.2	49.8	24.8	23.7	24.8	49.8
59°	23.0	24.0	42.3	22.4	21.4	22.4	42.3	24.0	23.0	24.0	42.3
59.5°	21.9	23.2	35.9	21.7	20.6	21.7	35.9	23.2	21.9	23.2	35.9
60°	21.2	22.2	30.2	20.9	19.9	20.9	30.2	22.2	21.2	22.2	30.2
60.5°	20.1	21.4	26.8	20.1	18.8	20.1	26.8	21.4	20.1	21.4	26.8
61°	19.3	20.6	24.3	19.6	18.3	19.6	24.3	20.6	19.3	20.6	24.3
61.5°	18.6	19.9	22.2	18.8	17.5	18.8	22.2	19.9	18.6	19.9	22.2
62°	17.8	19.3	20.9	18.1	16.8	18.1	20.9	19.3	17.8	19.3	20.9
62.5°	17.0	18.6	19.9	17.5	16.3	17.5	19.9	18.6	17.0	18.6	19.9
63°	16.3	17.8	19.1	17.0	15.5	17.0	19.1	17.8	16.3	17.8	19.1
63.5°	15.7	17.3	18.3	16.3	15.0	16.3	18.3	17.3	15.7	17.3	18.3
64°	15.0	16.5	17.8	15.7	14.2	15.7	17.8	16.5	15.0	16.5	17.8
64.5°	14.4	16.0	17.0	15.2	13.7	15.2	17.0	16.0	14.4	16.0	17.0
65°	13.7	15.5	16.5	14.7	13.2	14.7	16.5	15.5	13.7	15.5	16.5
65.5°	13.2	14.7	15.7	14.2	12.6	14.2	15.7	14.7	13.2	14.7	15.7
66°	12.6	14.2	15.2	13.7	12.1	13.7	15.2	14.2	12.6	14.2	15.2



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQH-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	13.7	12.1	10.6	12.1	13.7	12.6	11.1	12.6	13.7
68°	10.6	12.1	13.2	11.6	10.3	11.6	13.2	12.1	10.6	12.1	13.2
68.5°	10.1	11.6	12.6	11.4	9.8	11.4	12.6	11.6	10.1	11.6	12.6
69°	9.8	11.1	12.1	10.8	9.3	10.8	12.1	11.1	9.8	11.1	12.1
69.5°	9.3	10.8	11.6	10.3	9.0	10.3	11.6	10.8	9.3	10.8	11.6
70°	8.8	10.3	11.1	10.1	8.5	10.1	11.1	10.3	8.8	10.3	11.1
70.5°	8.5	9.8	10.8	9.5	8.3	9.5	10.8	9.8	8.5	9.8	10.8
71°	8.0	9.5	10.3	9.3	8.0	9.3	10.3	9.5	8.0	9.5	10.3
71.5°	7.7	9.0	9.8	8.8	7.5	8.8	9.8	9.0	7.7	9.0	9.8
72°	7.2	8.8	9.5	8.5	7.2	8.5	9.5	8.8	7.2	8.8	9.5
72.5°	7.0	8.3	9.0	8.0	7.0	8.0	9.0	8.3	7.0	8.3	9.0
73°	6.7	8.0	8.5	7.7	6.4	7.7	8.5	8.0	6.7	8.0	8.5
73.5°	6.2	7.5	8.3	7.5	6.2	7.5	8.3	7.5	6.2	7.5	8.3
74°	5.9	7.2	7.7	7.0	5.9	7.0	7.7	7.2	5.9	7.2	7.7
74.5°	5.7	7.0	7.5	6.7	5.7	6.7	7.5	7.0	5.7	7.0	7.5
75°	5.4	6.4	7.0	6.4	5.4	6.4	7.0	6.4	5.4	6.4	7.0
75.5°	5.2	6.2	6.7	6.2	5.2	6.2	6.7	6.2	5.2	6.2	6.7
76°	4.9	5.9	6.4	5.7	4.9	5.7	6.4	5.9	4.9	5.9	6.4
76.5°	4.6	5.4	5.9	5.4	4.6	5.4	5.9	5.4	4.6	5.4	5.9
77°	4.1	5.2	5.7	5.2	4.4	5.2	5.7	5.2	4.1	5.2	5.7
77.5°	3.9	4.9	5.4	4.9	4.1	4.9	5.4	4.9	3.9	4.9	5.4
78°	3.9	4.6	4.9	4.6	3.9	4.6	4.9	4.6	3.9	4.6	4.9
78.5°	3.6	4.4	4.6	4.4	3.6	4.4	4.6	4.4	3.6	4.4	4.6
79°	3.4	4.1	4.4	4.1	3.4	4.1	4.4	4.1	3.4	4.1	4.4
79.5°	3.1	3.6	4.1	3.9	3.1	3.9	4.1	3.6	3.1	3.6	4.1
80°	2.8	3.4	3.9	3.6	3.1	3.6	3.9	3.4	2.8	3.4	3.9
80.5°	2.6	3.1	3.6	3.4	2.8	3.4	3.6	3.1	2.6	3.1	3.6
81°	2.3	2.8	3.4	3.1	2.6	3.1	3.4	2.8	2.3	2.8	3.4
81.5°	2.3	2.6	3.1	2.8	2.3	2.8	3.1	2.6	2.3	2.6	3.1
82°	2.1	2.3	2.8	2.6	2.3	2.6	2.8	2.3	2.1	2.3	2.8
82.5°	1.8	2.1	2.6	2.3	2.1	2.3	2.6	2.1	1.8	2.1	2.6
83°	1.5	2.1	2.3	2.1	1.8	2.1	2.3	2.1	1.5	2.1	2.3
83.5°	1.5	1.8	2.1	2.1	1.5	2.1	2.1	1.8	1.5	1.8	2.1
84°	1.3	1.5	1.8	1.8	1.5	1.8	1.8	1.5	1.3	1.5	1.8
84.5°	1.0	1.3	1.5	1.5	1.3	1.5	1.5	1.3	1.0	1.3	1.5
85°	1.0	1.0	1.3	1.3	1.0	1.3	1.3	1.0	1.0	1.0	1.3
85.5°	0.8	0.8	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	1.0
86°	0.5	0.8	1.0	1.0	0.8	1.0	1.0	0.8	0.5	0.8	1.0
86.5°	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.8
87°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.5
87.5°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.5
88°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
88.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBL1525CSD-HCD8TSQH-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1842.9	1842.9	1842.9	1842.9	1842.9	1842.9
0.5°	1843.9	1843.4	1843.9	1843.1	1841.8	1841.1
1°	1843.4	1843.1	1843.4	1842.6	1841.6	1840.8
1.5°	1842.9	1842.6	1842.9	1842.1	1840.8	1840.0
2°	1842.1	1841.6	1842.1	1841.1	1839.8	1839.0
2.5°	1840.8	1840.6	1840.8	1840.0	1838.5	1837.7
3°	1839.5	1839.3	1839.5	1838.5	1837.2	1836.2
3.5°	1838.0	1837.7	1838.0	1836.9	1835.4	1834.4
4°	1836.2	1835.9	1836.2	1834.9	1833.3	1832.3
4.5°	1833.8	1833.6	1833.8	1832.6	1830.7	1830.0
5°	1831.5	1831.0	1831.5	1830.2	1828.2	1827.1
5.5°	1828.7	1827.9	1828.7	1827.4	1825.3	1824.3
6°	1825.6	1824.8	1825.6	1824.3	1822.0	1820.7
6.5°	1822.0	1820.9	1822.0	1820.9	1818.6	1817.1
7°	1817.8	1816.8	1817.8	1817.1	1814.8	1813.2
7.5°	1813.5	1812.2	1813.5	1812.9	1810.6	1808.8
8°	1808.8	1807.5	1808.8	1808.6	1806.2	1804.2
8.5°	1803.4	1802.1	1803.4	1803.7	1801.3	1799.3
9°	1798.0	1796.4	1798.0	1798.5	1796.2	1794.1
9.5°	1792.0	1790.5	1792.0	1793.1	1790.8	1788.7
10°	1786.1	1784.3	1786.1	1787.1	1785.3	1782.8
10.5°	1779.7	1777.9	1779.7	1781.0	1779.1	1776.6
11°	1773.0	1770.9	1773.0	1774.5	1773.0	1770.1
11.5°	1765.7	1763.7	1765.7	1767.5	1766.2	1763.4
12°	1758.5	1756.4	1758.5	1760.3	1759.3	1756.2
12.5°	1750.8	1748.4	1750.8	1752.8	1752.1	1748.7
13°	1742.8	1740.4	1742.8	1745.1	1744.3	1741.0
13.5°	1734.5	1731.9	1734.5	1736.8	1736.3	1733.0
14°	1726.0	1723.2	1726.0	1728.6	1728.3	1724.5
14.5°	1717.0	1714.1	1717.0	1719.8	1719.6	1715.9
15°	1707.7	1704.8	1707.7	1711.0	1710.8	1706.9
15.5°	1698.1	1695.0	1698.1	1701.5	1701.8	1697.6
16°	1688.3	1685.2	1688.3	1691.9	1692.2	1688.1
16.5°	1678.3	1674.9	1678.3	1681.9	1682.4	1678.3
17°	1667.7	1664.3	1667.7	1671.8	1672.3	1668.2
17.5°	1657.1	1653.5	1657.1	1661.2	1662.0	1657.6
18°	1646.0	1642.2	1646.0	1650.2	1651.2	1646.8
18.5°	1634.9	1630.5	1634.9	1639.3	1640.1	1635.7
19°	1623.3	1618.9	1623.3	1628.0	1629.0	1624.4
19.5°	1611.5	1606.8	1611.5	1616.1	1617.4	1612.5
20°	1599.6	1594.7	1599.6	1604.2	1605.5	1600.6
20.5°	1586.9	1582.0	1586.9	1592.1	1593.4	1588.5
21°	1574.3	1569.1	1574.3	1579.7	1580.7	1575.8



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1534.8	1529.9	1534.8	1540.5	1541.8	1536.4
23°	1521.2	1516.3	1521.2	1527.1	1528.1	1522.7
23.5°	1507.5	1502.8	1507.5	1513.4	1514.4	1508.5
24°	1493.5	1488.9	1493.5	1499.5	1500.0	1494.3
24.5°	1479.6	1474.2	1479.6	1485.3	1485.5	1479.4
25°	1465.4	1459.2	1465.4	1470.6	1470.8	1464.1
25.5°	1450.5	1444.3	1450.5	1455.9	1455.9	1448.9
26°	1436.0	1428.8	1436.0	1440.9	1440.4	1432.9
26.5°	1420.8	1412.5	1420.8	1425.7	1424.7	1416.9
27°	1405.3	1395.8	1405.3	1410.2	1408.7	1400.2
27.5°	1389.3	1379.0	1389.3	1394.7	1392.4	1383.6
28°	1372.8	1361.2	1372.8	1379.0	1375.6	1366.4
28.5°	1356.0	1343.1	1356.0	1362.7	1358.6	1348.8
29°	1339.0	1325.1	1339.0	1346.7	1341.8	1330.5
29.5°	1321.2	1306.5	1321.2	1330.7	1324.6	1312.2
30°	1303.4	1287.9	1303.4	1314.0	1306.8	1293.9
30.5°	1285.1	1268.8	1285.1	1297.5	1288.7	1275.0
31°	1267.0	1249.7	1267.0	1280.4	1270.4	1255.4
31.5°	1248.4	1230.1	1248.4	1263.7	1252.1	1236.3
32°	1229.9	1210.3	1229.9	1246.6	1233.2	1216.7
32.5°	1210.5	1190.4	1210.5	1229.4	1214.1	1196.8
33°	1191.9	1170.5	1191.9	1211.8	1195.0	1176.7
33.5°	1172.9	1150.2	1172.9	1194.0	1176.2	1156.6
34°	1153.8	1129.5	1153.8	1176.0	1156.9	1135.7
34.5°	1134.7	1108.6	1134.7	1157.9	1137.3	1115.1
35°	1115.1	1088.0	1115.1	1139.8	1117.6	1093.7
35.5°	1095.7	1067.3	1095.7	1121.0	1098.3	1073.0
36°	1076.1	1042.8	1076.1	1102.2	1078.4	1051.6
36.5°	1056.2	1015.2	1056.2	1083.8	1058.0	1028.6
37°	1036.4	984.8	1036.4	1065.0	1038.2	1001.0
37.5°	1016.3	953.3	1016.3	1046.4	1017.8	964.9
38°	996.4	919.8	996.4	1027.1	997.7	928.5
38.5°	974.5	885.4	974.5	1008.5	977.3	888.3
39°	948.9	847.0	948.9	989.9	956.1	846.5
39.5°	920.3	806.5	920.3	971.6	925.4	802.9
40°	889.1	763.7	889.1	953.0	892.4	759.5
40.5°	855.8	721.4	855.8	934.7	855.0	716.2
41°	820.2	680.6	820.2	916.9	816.3	675.2
41.5°	782.8	640.1	782.8	899.6	776.6	634.4
42°	743.5	600.9	743.5	882.4	736.8	594.7
42.5°	704.3	561.1	704.3	865.3	697.6	555.0
43°	664.9	522.7	664.9	848.3	657.9	515.7
43.5°	626.2	484.0	626.2	831.5	619.2	476.3



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	515.5	376.7	515.5	781.0	506.7	367.4
45.5°	478.8	343.9	478.8	764.2	469.8	333.3
46°	442.7	312.4	442.7	747.2	434.2	301.6
46.5°	407.6	280.4	407.6	729.6	399.6	270.4
47°	373.3	249.5	373.3	705.1	365.6	239.7
47.5°	341.3	221.9	341.3	675.2	332.8	210.3
48°	309.9	197.6	309.9	639.6	301.1	185.2
48.5°	279.4	174.9	279.4	601.9	270.9	162.3
49°	249.5	154.3	249.5	562.4	241.5	141.9
49.5°	222.7	134.9	222.7	521.9	213.1	124.1
50°	196.9	117.1	196.9	480.9	186.5	108.4
50.5°	173.1	100.4	173.1	440.4	162.5	93.7
51°	150.9	84.4	150.9	400.4	141.1	80.2
51.5°	130.8	70.9	130.8	363.0	122.3	69.4
52°	113.3	60.4	113.3	328.7	105.8	58.6
52.5°	97.0	53.1	97.0	295.1	91.1	49.3
53°	82.0	46.2	82.0	263.9	77.7	42.6
53.5°	68.1	39.0	68.1	233.2	66.3	36.4
54°	55.7	32.0	55.7	205.1	55.5	34.8
54.5°	46.2	30.4	46.2	178.3	46.4	33.3
55°	38.7	29.4	38.7	154.5	38.4	32.0
55.5°	33.3	28.1	33.3	133.1	32.8	30.7
56°	29.2	27.1	29.2	113.8	30.2	29.4
56.5°	27.1	26.1	27.1	96.5	28.9	28.1
57°	26.1	25.0	26.1	82.0	27.9	27.1
57.5°	25.0	24.0	25.0	69.4	26.8	25.8
58°	24.3	23.2	24.3	59.1	25.8	24.8
58.5°	23.2	22.2	23.2	49.8	24.8	23.7
59°	22.4	21.4	22.4	42.3	24.0	23.0
59.5°	21.7	20.6	21.7	35.9	23.2	21.9
60°	20.9	19.9	20.9	30.2	22.2	21.2
60.5°	20.1	18.8	20.1	26.8	21.4	20.1
61°	19.6	18.3	19.6	24.3	20.6	19.3
61.5°	18.8	17.5	18.8	22.2	19.9	18.6
62°	18.1	16.8	18.1	20.9	19.3	17.8
62.5°	17.5	16.3	17.5	19.9	18.6	17.0
63°	17.0	15.5	17.0	19.1	17.8	16.3
63.5°	16.3	15.0	16.3	18.3	17.3	15.7
64°	15.7	14.2	15.7	17.8	16.5	15.0
64.5°	15.2	13.7	15.2	17.0	16.0	14.4
65°	14.7	13.2	14.7	16.5	15.5	13.7
65.5°	14.2	12.6	14.2	15.7	14.7	13.2
66°	13.7	12.1	13.7	15.2	14.2	12.6



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	12.1	10.6	12.1	13.7	12.6	11.1
68°	11.6	10.3	11.6	13.2	12.1	10.6
68.5°	11.4	9.8	11.4	12.6	11.6	10.1
69°	10.8	9.3	10.8	12.1	11.1	9.8
69.5°	10.3	9.0	10.3	11.6	10.8	9.3
70°	10.1	8.5	10.1	11.1	10.3	8.8
70.5°	9.5	8.3	9.5	10.8	9.8	8.5
71°	9.3	8.0	9.3	10.3	9.5	8.0
71.5°	8.8	7.5	8.8	9.8	9.0	7.7
72°	8.5	7.2	8.5	9.5	8.8	7.2
72.5°	8.0	7.0	8.0	9.0	8.3	7.0
73°	7.7	6.4	7.7	8.5	8.0	6.7
73.5°	7.5	6.2	7.5	8.3	7.5	6.2
74°	7.0	5.9	7.0	7.7	7.2	5.9
74.5°	6.7	5.7	6.7	7.5	7.0	5.7
75°	6.4	5.4	6.4	7.0	6.4	5.4
75.5°	6.2	5.2	6.2	6.7	6.2	5.2
76°	5.7	4.9	5.7	6.4	5.9	4.9
76.5°	5.4	4.6	5.4	5.9	5.4	4.6
77°	5.2	4.4	5.2	5.7	5.2	4.1
77.5°	4.9	4.1	4.9	5.4	4.9	3.9
78°	4.6	3.9	4.6	4.9	4.6	3.9
78.5°	4.4	3.6	4.4	4.6	4.4	3.6
79°	4.1	3.4	4.1	4.4	4.1	3.4
79.5°	3.9	3.1	3.9	4.1	3.6	3.1
80°	3.6	3.1	3.6	3.9	3.4	2.8
80.5°	3.4	2.8	3.4	3.6	3.1	2.6
81°	3.1	2.6	3.1	3.4	2.8	2.3
81.5°	2.8	2.3	2.8	3.1	2.6	2.3
82°	2.6	2.3	2.6	2.8	2.3	2.1
82.5°	2.3	2.1	2.3	2.6	2.1	1.8
83°	2.1	1.8	2.1	2.3	2.1	1.5
83.5°	2.1	1.5	2.1	2.1	1.8	1.5
84°	1.8	1.5	1.8	1.8	1.5	1.3
84.5°	1.5	1.3	1.5	1.5	1.3	1.0
85°	1.3	1.0	1.3	1.3	1.0	1.0
85.5°	1.0	1.0	1.0	1.0	0.8	0.8
86°	1.0	0.8	1.0	1.0	0.8	0.5
86.5°	0.8	0.8	0.8	0.8	0.5	0.5
87°	0.5	0.5	0.5	0.5	0.5	0.3
87.5°	0.5	0.5	0.5	0.5	0.3	0.3
88°	0.3	0.3	0.3	0.3	0.3	0.3
88.5°	0.3	0.3	0.3	0.3	0.0	0.0



TEST NUMBER: P776209

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





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

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





21.5°	1563.2	1568.1	1566.8	1561.4	1556.5	1561.4	1566.8	1568.1	1563.2	1568.1	1566.8
22°	1549.5	1555.2	1553.7	1548.2	1543.1	1548.2	1553.7	1555.2	1549.5	1555.2	1553.7



44°	438.3	581.5	814.5	589.0	446.3	589.0	814.5	581.5	438.3	581.5	814.5
44.5°	402.7	544.6	798.0	552.1	409.4	552.1	798.0	544.6	402.7	544.6	798.0



66.5°	12.1	13.7	14.7	13.2	11.6	13.2	14.7	13.7	12.1	13.7	14.7
67°	11.6	13.2	14.2	12.6	11.1	12.6	14.2	13.2	11.6	13.2	14.2



89°	0.0	0.0	0.0	0.0	0.3	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°	1561.4	1556.5	1561.4	1566.8	1568.1	1563.2
22°	1548.2	1543.1	1548.2	1553.7	1555.2	1549.5



44°	589.0	446.3	589.0	814.5	581.5	438.3
44.5°	552.1	409.4	552.1	798.0	544.6	402.7



66.5°	13.2	11.6	13.2	14.7	13.7	12.1
67°	12.6	11.1	12.6	14.2	13.2	11.6

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Scaled Data Report



89°	0.0	0.3	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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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)