

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: P776074

Luminaire Tested: HCDJBS1525CSD-HCD62TRMW-2500lm-5000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776074
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: HCDJBS1525CSD-HCD62TRMW-2500lm-5000K
Description: 6 INCH ROUND NARROW MATTE WHITE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

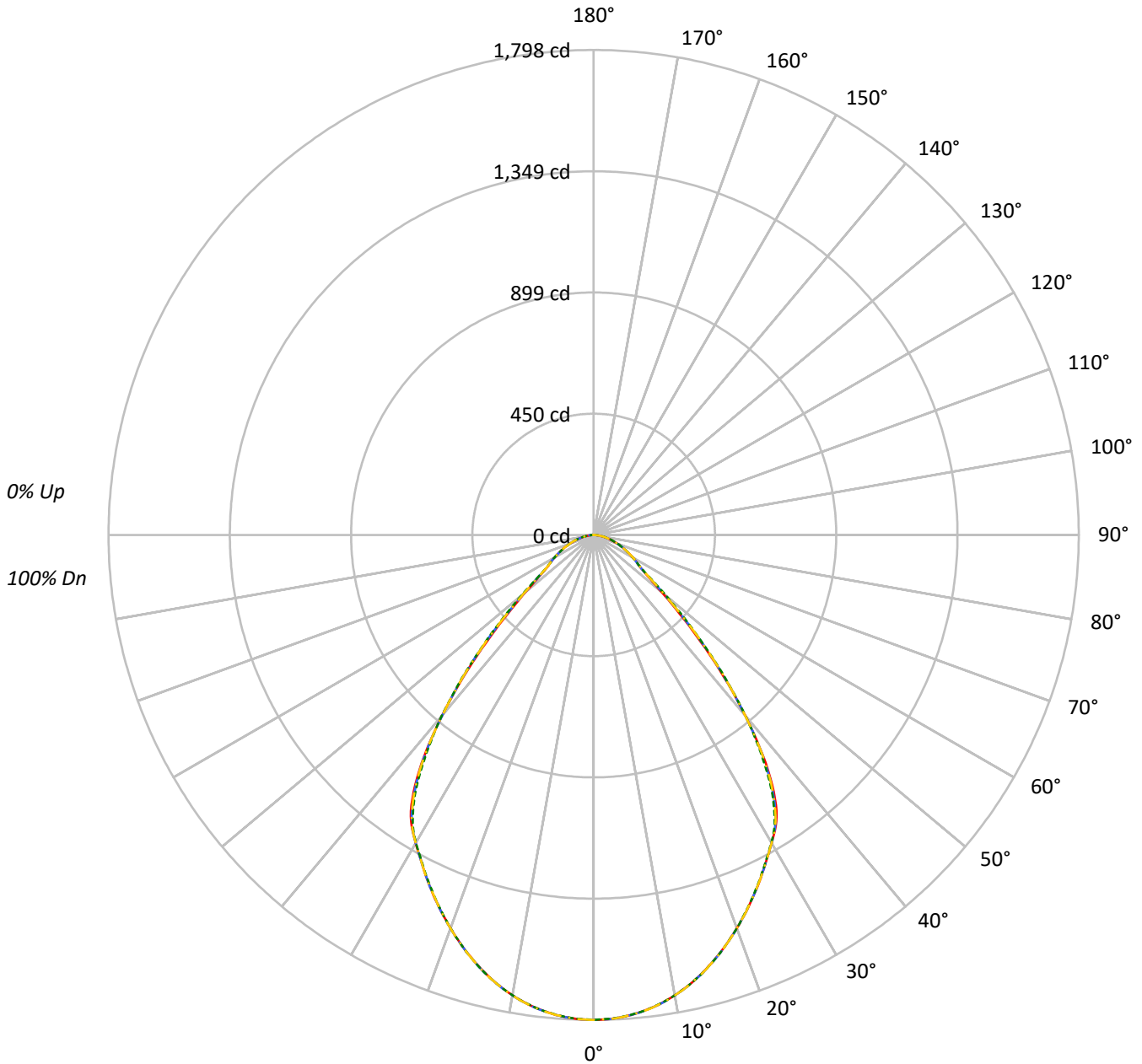
Lumens per Lamp: N/A
Luminaire Lumens: 2862.4 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P776074
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P776074
 CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMW-2500lm-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	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°	98572	98572	98572	98572
5°	98052	98008	98052	98008
10°	96486	96486	96486	96486
15°	93848	93894	93848	93894
20°	90524	90495	90524	90495
25°	86932	86787	86932	86787
30°	83513	83380	83513	83380
35°	77878	76741	77878	76741
40°	62510	62582	62510	62582
45°	43741	45059	43741	45059
50°	27965	29790	27965	29790
55°	20339	20664	20339	20664
60°	18474	18387	18474	18387
65°	16604	16526	16604	16526
70°	14714	14922	14714	14922
75°	12836	13492	12836	13492
80°	10576	11965	10576	11965
85°	6479	9875	6479	9875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 45059 cd/sqm



TEST NUMBER: P776074

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	5.9
10°-20°	465.0	16.2
20°-30°	661.3	23.1
30°-40°	706.9	24.7
40°-50°	446.7	15.6
50°-60°	203.3	7.1
60°-70°	127.3	4.4
70°-80°	66.9	2.3
80°-90°	16.5	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°	1294.9	45.2
0°-40°	2001.8	69.9
0°-60°	2651.8	92.6
0°-90°	2862.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1798	1798	1798	1798	1798	
5°	1782	1781	1782	1781	1782	169
15°	1654	1654	1654	1654	1654	465
25°	1437	1435	1437	1435	1437	661
35°	1164	1147	1164	1147	1164	710
45°	564	581	564	581	564	440
55°	213	216	213	216	213	201
65°	128	127	128	127	128	127
75°	61	64	61	64	61	65
85°	10	16	10	16	10	14
90°	0	1	0	1	0	



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
0.5°	1797.8	1798.1	1797.8	1797.8	1797.0	1797.8	1797.8	1798.1	1797.8	1798.1	1797.8
1°	1797.3	1797.6	1797.6	1797.3	1796.5	1797.3	1797.6	1797.6	1797.3	1797.6	1797.6
1.5°	1796.5	1796.8	1796.5	1796.5	1795.7	1796.5	1796.5	1796.8	1796.5	1796.8	1796.5
2°	1795.5	1795.5	1795.5	1795.5	1794.5	1795.5	1795.5	1795.5	1795.5	1795.5	1795.5
2.5°	1793.9	1793.9	1794.2	1793.9	1793.2	1793.9	1794.2	1793.9	1793.9	1793.9	1794.2
3°	1792.1	1792.4	1792.4	1792.4	1791.4	1792.4	1792.4	1792.4	1792.1	1792.4	1792.4
3.5°	1790.1	1790.1	1790.3	1790.3	1789.3	1790.3	1790.3	1790.1	1790.1	1790.1	1790.3
4°	1787.7	1787.7	1787.7	1787.7	1787.0	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7
4.5°	1784.9	1785.2	1785.2	1785.2	1784.1	1785.2	1785.2	1785.2	1784.9	1785.2	1785.2
5°	1781.8	1782.1	1782.1	1782.1	1781.0	1782.1	1782.1	1782.1	1781.8	1782.1	1782.1
5.5°	1778.5	1778.7	1778.7	1778.7	1777.7	1778.7	1778.7	1778.7	1778.5	1778.7	1778.7
6°	1774.8	1774.8	1774.8	1774.8	1774.1	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
6.5°	1770.7	1770.7	1771.0	1771.0	1770.2	1771.0	1771.0	1770.7	1770.7	1770.7	1771.0
7°	1766.3	1766.6	1766.6	1766.6	1765.8	1766.6	1766.6	1766.6	1766.3	1766.6	1766.6
7.5°	1761.7	1761.7	1762.0	1762.0	1761.2	1762.0	1762.0	1761.7	1761.7	1761.7	1762.0
8°	1756.5	1756.8	1757.0	1757.0	1756.3	1757.0	1757.0	1756.8	1756.5	1756.8	1757.0
8.5°	1751.1	1751.4	1751.6	1751.6	1750.9	1751.6	1751.6	1751.4	1751.1	1751.4	1751.6
9°	1745.4	1745.7	1746.0	1746.2	1745.4	1746.2	1746.0	1745.7	1745.4	1745.7	1746.0
9.5°	1739.5	1739.8	1740.0	1740.3	1739.5	1740.3	1740.0	1739.8	1739.5	1739.8	1740.0
10°	1733.3	1733.3	1733.6	1734.1	1733.3	1734.1	1733.6	1733.3	1733.3	1733.3	1733.6
10.5°	1726.6	1726.6	1727.1	1727.4	1726.6	1727.4	1727.1	1726.6	1726.6	1726.6	1727.1
11°	1719.6	1719.6	1720.2	1720.7	1719.6	1720.7	1720.2	1719.6	1719.6	1719.6	1720.2
11.5°	1712.2	1712.4	1712.9	1713.5	1712.7	1713.5	1712.9	1712.4	1712.2	1712.4	1712.9
12°	1704.7	1704.9	1705.5	1706.0	1705.2	1706.0	1705.5	1704.9	1704.7	1704.9	1705.5
12.5°	1696.9	1697.2	1697.5	1698.0	1697.5	1698.0	1697.5	1697.2	1696.9	1697.2	1697.5
13°	1688.7	1688.9	1689.5	1690.0	1689.5	1690.0	1689.5	1688.9	1688.7	1688.9	1689.5
13.5°	1680.4	1680.7	1681.2	1681.7	1680.9	1681.7	1681.2	1680.7	1680.4	1680.7	1681.2
14°	1671.7	1672.2	1672.7	1673.0	1672.4	1673.0	1672.7	1672.2	1671.7	1672.2	1672.7
14.5°	1662.9	1663.1	1663.7	1664.2	1663.7	1664.2	1663.7	1663.1	1662.9	1663.1	1663.7
15°	1653.6	1654.1	1654.6	1655.2	1654.4	1655.2	1654.6	1654.1	1653.6	1654.1	1654.6
15.5°	1644.3	1644.6	1645.1	1645.6	1644.8	1645.6	1645.1	1644.6	1644.3	1644.6	1645.1
16°	1634.5	1635.0	1635.5	1636.1	1635.3	1636.1	1635.5	1635.0	1634.5	1635.0	1635.5
16.5°	1625.0	1625.2	1625.7	1626.3	1625.5	1626.3	1625.7	1625.2	1625.0	1625.2	1625.7
17°	1614.9	1615.2	1615.7	1616.2	1615.4	1616.2	1615.7	1615.2	1614.9	1615.2	1615.7
17.5°	1604.8	1604.8	1605.4	1605.9	1605.1	1605.9	1605.4	1604.8	1604.8	1604.8	1605.4
18°	1594.3	1594.8	1595.0	1595.3	1594.5	1595.3	1595.0	1594.8	1594.3	1594.8	1595.0
18.5°	1583.7	1584.2	1584.5	1584.7	1584.0	1584.7	1584.5	1584.2	1583.7	1584.2	1584.5
19°	1573.1	1573.6	1573.9	1573.9	1573.4	1573.9	1573.9	1573.6	1573.1	1573.6	1573.9
19.5°	1562.5	1562.8	1563.1	1563.3	1562.5	1563.3	1563.1	1562.8	1562.5	1562.8	1563.1
20°	1551.7	1552.0	1552.2	1552.2	1551.2	1552.2	1552.2	1552.0	1551.7	1552.0	1552.2
20.5°	1540.9	1540.9	1540.9	1540.9	1540.1	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9
21°	1529.3	1529.5	1529.8	1529.5	1528.7	1529.5	1529.8	1529.5	1529.3	1529.5	1529.8



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1495.7	1495.7	1495.5	1495.2	1494.2	1495.2	1495.5	1495.7	1495.7	1495.7	1495.5
23°	1484.1	1484.1	1483.9	1483.6	1482.6	1483.6	1483.9	1484.1	1484.1	1484.1	1483.9
23.5°	1472.5	1472.5	1472.2	1471.7	1471.0	1471.7	1472.2	1472.5	1472.5	1472.5	1472.2
24°	1460.9	1460.9	1460.6	1459.9	1458.8	1459.9	1460.6	1460.9	1460.9	1460.9	1460.6
24.5°	1449.3	1449.0	1448.8	1448.0	1447.0	1448.0	1448.8	1449.0	1449.3	1449.0	1448.8
25°	1437.2	1437.2	1436.9	1436.1	1434.8	1436.1	1436.9	1437.2	1437.2	1437.2	1436.9
25.5°	1425.3	1425.3	1425.0	1424.0	1423.0	1424.0	1425.0	1425.3	1425.3	1425.3	1425.0
26°	1413.4	1413.4	1413.2	1412.4	1411.1	1412.4	1413.2	1413.4	1413.4	1413.4	1413.2
26.5°	1401.3	1401.3	1401.0	1400.0	1399.0	1400.0	1401.0	1401.3	1401.3	1401.3	1401.0
27°	1389.2	1389.4	1389.2	1388.1	1386.9	1388.1	1389.2	1389.4	1389.2	1389.4	1389.2
27.5°	1377.3	1377.3	1377.1	1376.3	1375.0	1376.3	1377.1	1377.3	1377.3	1377.3	1377.1
28°	1364.9	1365.4	1365.2	1364.4	1363.4	1364.4	1365.2	1365.4	1364.9	1365.4	1365.2
28.5°	1353.3	1353.8	1353.6	1352.8	1351.8	1352.8	1353.6	1353.8	1353.3	1353.8	1353.6
29°	1341.7	1342.2	1342.0	1341.5	1340.2	1341.5	1342.0	1342.2	1341.7	1342.2	1342.0
29.5°	1330.4	1330.6	1330.6	1329.8	1328.8	1329.8	1330.6	1330.6	1330.4	1330.6	1330.6
30°	1319.3	1319.3	1319.3	1318.2	1317.2	1318.2	1319.3	1319.3	1319.3	1319.3	1319.3
30.5°	1307.9	1308.2	1307.7	1306.9	1305.6	1306.9	1307.7	1308.2	1307.9	1308.2	1307.7
31°	1296.8	1296.8	1296.3	1295.0	1293.5	1295.0	1296.3	1296.8	1296.8	1296.8	1296.3
31.5°	1285.0	1285.0	1283.9	1282.6	1280.6	1282.6	1283.9	1285.0	1285.0	1285.0	1283.9
32°	1272.8	1272.1	1270.3	1267.9	1265.1	1267.9	1270.3	1272.1	1272.8	1272.1	1270.3
32.5°	1259.7	1257.9	1255.0	1251.2	1247.8	1251.2	1255.0	1257.9	1259.7	1257.9	1255.0
33°	1244.7	1242.7	1237.8	1233.4	1229.8	1233.4	1237.8	1242.7	1244.7	1242.7	1237.8
33.5°	1227.4	1225.6	1218.9	1214.3	1210.7	1214.3	1218.9	1225.6	1227.4	1225.6	1218.9
34°	1207.8	1207.1	1199.1	1193.9	1190.8	1193.9	1199.1	1207.1	1207.8	1207.1	1199.1
34.5°	1186.4	1185.1	1177.9	1172.2	1169.4	1172.2	1177.9	1185.1	1186.4	1185.1	1177.9
35°	1163.7	1161.6	1155.5	1149.3	1146.7	1149.3	1155.5	1161.6	1163.7	1161.6	1155.5
35.5°	1139.7	1136.9	1132.0	1125.5	1122.2	1125.5	1132.0	1136.9	1139.7	1136.9	1132.0
36°	1114.2	1110.6	1107.5	1101.0	1096.9	1101.0	1107.5	1110.6	1114.2	1110.6	1107.5
36.5°	1087.4	1083.5	1081.4	1075.2	1070.1	1075.2	1081.4	1083.5	1087.4	1083.5	1081.4
37°	1059.2	1055.6	1054.1	1048.4	1043.2	1048.4	1054.1	1055.6	1059.2	1055.6	1054.1
37.5°	1029.8	1027.2	1025.7	1021.1	1015.9	1021.1	1025.7	1027.2	1029.8	1027.2	1025.7
38°	999.4	997.8	996.3	993.2	988.8	993.2	996.3	997.8	999.4	997.8	996.3
38.5°	968.2	968.2	965.6	964.6	960.7	964.6	965.6	968.2	968.2	968.2	965.6
39°	937.2	937.7	935.1	934.9	933.3	934.9	935.1	937.7	937.2	937.7	935.1
39.5°	905.5	906.3	903.7	904.5	904.2	904.5	903.7	906.3	905.5	906.3	903.7
40°	873.5	875.0	872.7	874.0	874.5	874.0	872.7	875.0	873.5	875.0	872.7
40.5°	841.0	843.3	841.8	843.8	844.3	843.8	841.8	843.3	841.0	843.3	841.8
41°	809.3	811.8	811.3	813.1	814.9	813.1	811.3	811.8	809.3	811.8	811.3
41.5°	777.8	779.6	781.1	783.5	784.2	783.5	781.1	779.6	777.8	779.6	781.1
42°	746.3	747.9	751.0	753.0	755.1	753.0	751.0	747.9	746.3	747.9	751.0
42.5°	715.1	716.6	721.0	723.6	725.4	723.6	721.0	716.6	715.1	716.6	721.0
43°	683.9	685.9	691.6	693.9	695.8	693.9	691.6	685.9	683.9	685.9	691.6
43.5°	653.2	655.0	662.0	664.3	665.8	664.3	662.0	655.0	653.2	655.0	662.0



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	564.2	567.3	575.0	579.4	581.2	579.4	575.0	567.3	564.2	567.3	575.0
45.5°	535.6	539.4	547.4	552.3	554.1	552.3	547.4	539.4	535.6	539.4	547.4
46°	508.2	512.6	520.3	526.0	528.3	526.0	520.3	512.6	508.2	512.6	520.3
46.5°	481.6	486.5	494.0	500.5	503.0	500.5	494.0	486.5	481.6	486.5	494.0
47°	455.8	461.3	468.5	475.4	478.3	475.4	468.5	461.3	455.8	461.3	468.5
47.5°	431.3	436.5	444.2	451.5	454.0	451.5	444.2	436.5	431.3	436.5	444.2
48°	408.1	413.3	421.0	428.5	431.3	428.5	421.0	413.3	408.1	413.3	421.0
48.5°	386.4	390.8	398.6	406.3	409.4	406.3	398.6	390.8	386.4	390.8	398.6
49°	365.5	369.7	377.2	385.4	388.2	385.4	377.2	369.7	365.5	369.7	377.2
49.5°	345.9	349.6	357.3	365.0	368.4	365.0	357.3	349.6	345.9	349.6	357.3
50°	327.9	330.5	338.5	346.2	349.3	346.2	338.5	330.5	327.9	330.5	338.5
50.5°	311.1	312.9	320.9	328.1	331.2	328.1	320.9	312.9	311.1	312.9	320.9
51°	295.6	297.2	304.4	310.9	314.5	310.9	304.4	297.2	295.6	297.2	304.4
51.5°	281.2	282.5	289.2	295.1	298.5	295.1	289.2	282.5	281.2	282.5	289.2
52°	268.0	269.3	275.5	280.4	283.3	280.4	275.5	269.3	268.0	269.3	275.5
52.5°	255.9	256.9	262.4	266.5	269.1	266.5	262.4	256.9	255.9	256.9	262.4
53°	244.8	246.6	250.5	253.8	255.9	253.8	250.5	246.6	244.8	246.6	250.5
53.5°	236.0	237.1	239.7	242.5	244.0	242.5	239.7	237.1	236.0	237.1	239.7
54°	227.8	228.0	229.9	231.9	233.2	231.9	229.9	228.0	227.8	228.0	229.9
54.5°	220.3	220.3	221.1	222.6	224.2	222.6	221.1	220.3	220.3	220.3	221.1
55°	212.8	213.1	214.1	215.1	216.2	215.1	214.1	213.1	212.8	213.1	214.1
55.5°	205.9	206.9	207.9	208.7	210.5	208.7	207.9	206.9	205.9	206.9	207.9
56°	201.0	201.5	202.3	202.8	204.8	202.8	202.3	201.5	201.0	201.5	202.3
56.5°	196.8	196.8	196.8	197.3	199.2	197.3	196.8	196.8	196.8	196.8	196.8
57°	193.0	193.0	192.4	192.2	193.5	192.2	192.4	193.0	193.0	193.0	192.4
57.5°	189.4	189.1	188.6	188.1	187.8	188.1	188.6	189.1	189.4	189.1	188.6
58°	185.5	185.2	184.7	184.2	183.7	184.2	184.7	185.2	185.5	185.2	184.7
58.5°	181.4	181.1	180.6	180.1	179.8	180.1	180.6	181.1	181.4	181.1	180.6
59°	177.2	177.0	176.7	176.2	175.7	176.2	176.7	177.0	177.2	177.0	176.7
59.5°	172.8	172.8	172.3	172.1	171.8	172.1	172.3	172.8	172.8	172.8	172.3
60°	168.5	168.5	168.2	167.9	167.7	167.9	168.2	168.5	168.5	168.5	168.2
60.5°	164.1	164.1	163.8	163.6	163.3	163.6	163.8	164.1	164.1	164.1	163.8
61°	159.9	159.9	159.7	159.4	159.2	159.4	159.7	159.9	159.9	159.9	159.7
61.5°	155.8	155.8	155.6	155.3	155.0	155.3	155.6	155.8	155.8	155.8	155.6
62°	151.7	151.7	151.4	151.2	150.9	151.2	151.4	151.7	151.7	151.7	151.4
62.5°	147.6	147.6	147.3	147.0	146.8	147.0	147.3	147.6	147.6	147.6	147.3
63°	143.7	143.4	143.4	142.9	142.9	142.9	143.4	143.4	143.7	143.4	143.4
63.5°	139.6	139.6	139.3	139.0	139.0	139.0	139.3	139.6	139.6	139.6	139.3
64°	135.7	135.7	135.4	135.2	134.9	135.2	135.4	135.7	135.7	135.7	135.4
64.5°	131.8	131.8	131.6	131.3	131.3	131.3	131.6	131.8	131.8	131.8	131.6
65°	128.0	128.2	128.0	127.7	127.4	127.7	128.0	128.2	128.0	128.2	128.0
65.5°	124.1	124.3	124.3	124.1	123.8	124.1	124.3	124.3	124.1	124.3	124.3
66°	120.5	120.7	120.5	120.2	120.2	120.2	120.5	120.7	120.5	120.7	120.5



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	109.4	109.9	109.9	109.6	109.6	109.6	109.9	109.9	109.4	109.9	109.9
68°	105.8	106.3	106.5	106.3	106.3	106.3	106.5	106.3	105.8	106.3	106.5
68.5°	102.4	102.9	103.2	102.9	102.9	102.9	103.2	102.9	102.4	102.9	103.2
69°	98.8	99.6	99.8	99.8	99.6	99.8	99.8	99.6	98.8	99.6	99.8
69.5°	95.2	96.2	96.7	96.5	96.5	96.5	96.7	96.2	95.2	96.2	96.7
70°	91.8	92.6	93.4	93.4	93.1	93.4	93.4	92.6	91.8	92.6	93.4
70.5°	88.5	89.5	90.3	90.0	90.0	90.0	90.3	89.5	88.5	89.5	90.3
71°	85.4	86.4	87.2	87.2	86.9	87.2	87.2	86.4	85.4	86.4	87.2
71.5°	82.0	83.1	84.1	84.1	83.8	84.1	84.1	83.1	82.0	83.1	84.1
72°	78.9	80.0	81.0	81.0	80.7	81.0	81.0	80.0	78.9	80.0	81.0
72.5°	75.8	76.9	78.2	77.9	77.9	77.9	78.2	76.9	75.8	76.9	78.2
73°	72.5	73.8	75.1	75.1	74.8	75.1	75.1	73.8	72.5	73.8	75.1
73.5°	69.4	70.7	72.2	72.2	72.0	72.2	72.2	70.7	69.4	70.7	72.2
74°	66.6	67.6	69.1	69.4	69.1	69.4	69.1	67.6	66.6	67.6	69.1
74.5°	63.5	64.8	66.3	66.6	66.3	66.6	66.3	64.8	63.5	64.8	66.3
75°	60.6	61.7	63.5	63.7	63.7	63.7	63.5	61.7	60.6	61.7	63.5
75.5°	57.8	58.8	60.9	60.9	60.9	60.9	60.9	58.8	57.8	58.8	60.9
76°	54.9	56.0	58.0	58.3	58.3	58.3	58.0	56.0	54.9	56.0	58.0
76.5°	52.1	53.1	55.2	55.7	55.5	55.7	55.2	53.1	52.1	53.1	55.2
77°	49.3	50.6	52.6	53.1	52.9	53.1	52.6	50.6	49.3	50.6	52.6
77.5°	46.4	47.7	50.0	50.6	50.3	50.6	50.0	47.7	46.4	47.7	50.0
78°	43.9	45.1	47.2	48.0	47.7	48.0	47.2	45.1	43.9	45.1	47.2
78.5°	41.3	42.3	44.6	45.4	45.4	45.4	44.6	42.3	41.3	42.3	44.6
79°	38.7	39.7	42.0	42.8	42.8	42.8	42.0	39.7	38.7	39.7	42.0
79.5°	36.1	37.1	39.7	40.5	40.5	40.5	39.7	37.1	36.1	37.1	39.7
80°	33.5	34.6	37.1	37.9	37.9	37.9	37.1	34.6	33.5	34.6	37.1
80.5°	31.2	32.2	34.8	35.6	35.6	35.6	34.8	32.2	31.2	32.2	34.8
81°	28.6	29.7	32.2	33.3	33.3	33.3	32.2	29.7	28.6	29.7	32.2
81.5°	26.3	27.1	29.9	31.0	31.0	31.0	29.9	27.1	26.3	27.1	29.9
82°	24.0	24.8	27.6	28.6	28.6	28.6	27.6	24.8	24.0	24.8	27.6
82.5°	21.4	22.4	25.3	26.6	26.6	26.6	25.3	22.4	21.4	22.4	25.3
83°	19.1	20.1	23.0	24.2	24.2	24.2	23.0	20.1	19.1	20.1	23.0
83.5°	16.8	17.8	20.9	22.2	21.9	22.2	20.9	17.8	16.8	17.8	20.9
84°	14.7	15.5	18.8	19.9	19.9	19.9	18.8	15.5	14.7	15.5	18.8
84.5°	12.4	13.2	16.8	17.8	17.8	17.8	16.8	13.2	12.4	13.2	16.8
85°	10.3	11.1	14.7	15.7	15.7	15.7	14.7	11.1	10.3	11.1	14.7
85.5°	8.3	9.3	12.6	13.7	13.7	13.7	12.6	9.3	8.3	9.3	12.6
86°	6.7	7.5	10.8	11.6	11.6	11.6	10.8	7.5	6.7	7.5	10.8
86.5°	5.4	6.2	8.8	9.5	9.8	9.5	8.8	6.2	5.4	6.2	8.8
87°	4.1	4.9	7.2	7.7	7.7	7.7	7.2	4.9	4.1	4.9	7.2
87.5°	3.1	3.6	5.4	5.9	5.9	5.9	5.4	3.6	3.1	3.6	5.4
88°	2.1	2.6	3.9	4.1	4.4	4.1	3.9	2.6	2.1	2.6	3.9
88.5°	1.0	1.5	2.6	3.1	3.4	3.1	2.6	1.5	1.0	1.5	2.6



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.3	0.3	0.5	0.8	0.5	0.3	0.3	0.0	0.3	0.3



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
0.5°	1797.8	1797.0	1797.8	1797.8	1798.1	1797.8
1°	1797.3	1796.5	1797.3	1797.6	1797.6	1797.3
1.5°	1796.5	1795.7	1796.5	1796.5	1796.8	1796.5
2°	1795.5	1794.5	1795.5	1795.5	1795.5	1795.5
2.5°	1793.9	1793.2	1793.9	1794.2	1793.9	1793.9
3°	1792.4	1791.4	1792.4	1792.4	1792.4	1792.1
3.5°	1790.3	1789.3	1790.3	1790.3	1790.1	1790.1
4°	1787.7	1787.0	1787.7	1787.7	1787.7	1787.7
4.5°	1785.2	1784.1	1785.2	1785.2	1785.2	1784.9
5°	1782.1	1781.0	1782.1	1782.1	1782.1	1781.8
5.5°	1778.7	1777.7	1778.7	1778.7	1778.7	1778.5
6°	1774.8	1774.1	1774.8	1774.8	1774.8	1774.8
6.5°	1771.0	1770.2	1771.0	1771.0	1770.7	1770.7
7°	1766.6	1765.8	1766.6	1766.6	1766.6	1766.3
7.5°	1762.0	1761.2	1762.0	1762.0	1761.7	1761.7
8°	1757.0	1756.3	1757.0	1757.0	1756.8	1756.5
8.5°	1751.6	1750.9	1751.6	1751.6	1751.4	1751.1
9°	1746.2	1745.4	1746.2	1746.0	1745.7	1745.4
9.5°	1740.3	1739.5	1740.3	1740.0	1739.8	1739.5
10°	1734.1	1733.3	1734.1	1733.6	1733.3	1733.3
10.5°	1727.4	1726.6	1727.4	1727.1	1726.6	1726.6
11°	1720.7	1719.6	1720.7	1720.2	1719.6	1719.6
11.5°	1713.5	1712.7	1713.5	1712.9	1712.4	1712.2
12°	1706.0	1705.2	1706.0	1705.5	1704.9	1704.7
12.5°	1698.0	1697.5	1698.0	1697.5	1697.2	1696.9
13°	1690.0	1689.5	1690.0	1689.5	1688.9	1688.7
13.5°	1681.7	1680.9	1681.7	1681.2	1680.7	1680.4
14°	1673.0	1672.4	1673.0	1672.7	1672.2	1671.7
14.5°	1664.2	1663.7	1664.2	1663.7	1663.1	1662.9
15°	1655.2	1654.4	1655.2	1654.6	1654.1	1653.6
15.5°	1645.6	1644.8	1645.6	1645.1	1644.6	1644.3
16°	1636.1	1635.3	1636.1	1635.5	1635.0	1634.5
16.5°	1626.3	1625.5	1626.3	1625.7	1625.2	1625.0
17°	1616.2	1615.4	1616.2	1615.7	1615.2	1614.9
17.5°	1605.9	1605.1	1605.9	1605.4	1604.8	1604.8
18°	1595.3	1594.5	1595.3	1595.0	1594.8	1594.3
18.5°	1584.7	1584.0	1584.7	1584.5	1584.2	1583.7
19°	1573.9	1573.4	1573.9	1573.9	1573.6	1573.1
19.5°	1563.3	1562.5	1563.3	1563.1	1562.8	1562.5
20°	1552.2	1551.2	1552.2	1552.2	1552.0	1551.7
20.5°	1540.9	1540.1	1540.9	1540.9	1540.9	1540.9
21°	1529.5	1528.7	1529.5	1529.8	1529.5	1529.3



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1495.2	1494.2	1495.2	1495.5	1495.7	1495.7
23°	1483.6	1482.6	1483.6	1483.9	1484.1	1484.1
23.5°	1471.7	1471.0	1471.7	1472.2	1472.5	1472.5
24°	1459.9	1458.8	1459.9	1460.6	1460.9	1460.9
24.5°	1448.0	1447.0	1448.0	1448.8	1449.0	1449.3
25°	1436.1	1434.8	1436.1	1436.9	1437.2	1437.2
25.5°	1424.0	1423.0	1424.0	1425.0	1425.3	1425.3
26°	1412.4	1411.1	1412.4	1413.2	1413.4	1413.4
26.5°	1400.0	1399.0	1400.0	1401.0	1401.3	1401.3
27°	1388.1	1386.9	1388.1	1389.2	1389.4	1389.2
27.5°	1376.3	1375.0	1376.3	1377.1	1377.3	1377.3
28°	1364.4	1363.4	1364.4	1365.2	1365.4	1364.9
28.5°	1352.8	1351.8	1352.8	1353.6	1353.8	1353.3
29°	1341.5	1340.2	1341.5	1342.0	1342.2	1341.7
29.5°	1329.8	1328.8	1329.8	1330.6	1330.6	1330.4
30°	1318.2	1317.2	1318.2	1319.3	1319.3	1319.3
30.5°	1306.9	1305.6	1306.9	1307.7	1308.2	1307.9
31°	1295.0	1293.5	1295.0	1296.3	1296.8	1296.8
31.5°	1282.6	1280.6	1282.6	1283.9	1285.0	1285.0
32°	1267.9	1265.1	1267.9	1270.3	1272.1	1272.8
32.5°	1251.2	1247.8	1251.2	1255.0	1257.9	1259.7
33°	1233.4	1229.8	1233.4	1237.8	1242.7	1244.7
33.5°	1214.3	1210.7	1214.3	1218.9	1225.6	1227.4
34°	1193.9	1190.8	1193.9	1199.1	1207.1	1207.8
34.5°	1172.2	1169.4	1172.2	1177.9	1185.1	1186.4
35°	1149.3	1146.7	1149.3	1155.5	1161.6	1163.7
35.5°	1125.5	1122.2	1125.5	1132.0	1136.9	1139.7
36°	1101.0	1096.9	1101.0	1107.5	1110.6	1114.2
36.5°	1075.2	1070.1	1075.2	1081.4	1083.5	1087.4
37°	1048.4	1043.2	1048.4	1054.1	1055.6	1059.2
37.5°	1021.1	1015.9	1021.1	1025.7	1027.2	1029.8
38°	993.2	988.8	993.2	996.3	997.8	999.4
38.5°	964.6	960.7	964.6	965.6	968.2	968.2
39°	934.9	933.3	934.9	935.1	937.7	937.2
39.5°	904.5	904.2	904.5	903.7	906.3	905.5
40°	874.0	874.5	874.0	872.7	875.0	873.5
40.5°	843.8	844.3	843.8	841.8	843.3	841.0
41°	813.1	814.9	813.1	811.3	811.8	809.3
41.5°	783.5	784.2	783.5	781.1	779.6	777.8
42°	753.0	755.1	753.0	751.0	747.9	746.3
42.5°	723.6	725.4	723.6	721.0	716.6	715.1
43°	693.9	695.8	693.9	691.6	685.9	683.9
43.5°	664.3	665.8	664.3	662.0	655.0	653.2



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	579.4	581.2	579.4	575.0	567.3	564.2
45.5°	552.3	554.1	552.3	547.4	539.4	535.6
46°	526.0	528.3	526.0	520.3	512.6	508.2
46.5°	500.5	503.0	500.5	494.0	486.5	481.6
47°	475.4	478.3	475.4	468.5	461.3	455.8
47.5°	451.5	454.0	451.5	444.2	436.5	431.3
48°	428.5	431.3	428.5	421.0	413.3	408.1
48.5°	406.3	409.4	406.3	398.6	390.8	386.4
49°	385.4	388.2	385.4	377.2	369.7	365.5
49.5°	365.0	368.4	365.0	357.3	349.6	345.9
50°	346.2	349.3	346.2	338.5	330.5	327.9
50.5°	328.1	331.2	328.1	320.9	312.9	311.1
51°	310.9	314.5	310.9	304.4	297.2	295.6
51.5°	295.1	298.5	295.1	289.2	282.5	281.2
52°	280.4	283.3	280.4	275.5	269.3	268.0
52.5°	266.5	269.1	266.5	262.4	256.9	255.9
53°	253.8	255.9	253.8	250.5	246.6	244.8
53.5°	242.5	244.0	242.5	239.7	237.1	236.0
54°	231.9	233.2	231.9	229.9	228.0	227.8
54.5°	222.6	224.2	222.6	221.1	220.3	220.3
55°	215.1	216.2	215.1	214.1	213.1	212.8
55.5°	208.7	210.5	208.7	207.9	206.9	205.9
56°	202.8	204.8	202.8	202.3	201.5	201.0
56.5°	197.3	199.2	197.3	196.8	196.8	196.8
57°	192.2	193.5	192.2	192.4	193.0	193.0
57.5°	188.1	187.8	188.1	188.6	189.1	189.4
58°	184.2	183.7	184.2	184.7	185.2	185.5
58.5°	180.1	179.8	180.1	180.6	181.1	181.4
59°	176.2	175.7	176.2	176.7	177.0	177.2
59.5°	172.1	171.8	172.1	172.3	172.8	172.8
60°	167.9	167.7	167.9	168.2	168.5	168.5
60.5°	163.6	163.3	163.6	163.8	164.1	164.1
61°	159.4	159.2	159.4	159.7	159.9	159.9
61.5°	155.3	155.0	155.3	155.6	155.8	155.8
62°	151.2	150.9	151.2	151.4	151.7	151.7
62.5°	147.0	146.8	147.0	147.3	147.6	147.6
63°	142.9	142.9	142.9	143.4	143.4	143.7
63.5°	139.0	139.0	139.0	139.3	139.6	139.6
64°	135.2	134.9	135.2	135.4	135.7	135.7
64.5°	131.3	131.3	131.3	131.6	131.8	131.8
65°	127.7	127.4	127.7	128.0	128.2	128.0
65.5°	124.1	123.8	124.1	124.3	124.3	124.1
66°	120.2	120.2	120.2	120.5	120.7	120.5



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	109.6	109.6	109.6	109.9	109.9	109.4
68°	106.3	106.3	106.3	106.5	106.3	105.8
68.5°	102.9	102.9	102.9	103.2	102.9	102.4
69°	99.8	99.6	99.8	99.8	99.6	98.8
69.5°	96.5	96.5	96.5	96.7	96.2	95.2
70°	93.4	93.1	93.4	93.4	92.6	91.8
70.5°	90.0	90.0	90.0	90.3	89.5	88.5
71°	87.2	86.9	87.2	87.2	86.4	85.4
71.5°	84.1	83.8	84.1	84.1	83.1	82.0
72°	81.0	80.7	81.0	81.0	80.0	78.9
72.5°	77.9	77.9	77.9	78.2	76.9	75.8
73°	75.1	74.8	75.1	75.1	73.8	72.5
73.5°	72.2	72.0	72.2	72.2	70.7	69.4
74°	69.4	69.1	69.4	69.1	67.6	66.6
74.5°	66.6	66.3	66.6	66.3	64.8	63.5
75°	63.7	63.7	63.7	63.5	61.7	60.6
75.5°	60.9	60.9	60.9	60.9	58.8	57.8
76°	58.3	58.3	58.3	58.0	56.0	54.9
76.5°	55.7	55.5	55.7	55.2	53.1	52.1
77°	53.1	52.9	53.1	52.6	50.6	49.3
77.5°	50.6	50.3	50.6	50.0	47.7	46.4
78°	48.0	47.7	48.0	47.2	45.1	43.9
78.5°	45.4	45.4	45.4	44.6	42.3	41.3
79°	42.8	42.8	42.8	42.0	39.7	38.7
79.5°	40.5	40.5	40.5	39.7	37.1	36.1
80°	37.9	37.9	37.9	37.1	34.6	33.5
80.5°	35.6	35.6	35.6	34.8	32.2	31.2
81°	33.3	33.3	33.3	32.2	29.7	28.6
81.5°	31.0	31.0	31.0	29.9	27.1	26.3
82°	28.6	28.6	28.6	27.6	24.8	24.0
82.5°	26.6	26.6	26.6	25.3	22.4	21.4
83°	24.2	24.2	24.2	23.0	20.1	19.1
83.5°	22.2	21.9	22.2	20.9	17.8	16.8
84°	19.9	19.9	19.9	18.8	15.5	14.7
84.5°	17.8	17.8	17.8	16.8	13.2	12.4
85°	15.7	15.7	15.7	14.7	11.1	10.3
85.5°	13.7	13.7	13.7	12.6	9.3	8.3
86°	11.6	11.6	11.6	10.8	7.5	6.7
86.5°	9.5	9.8	9.5	8.8	6.2	5.4
87°	7.7	7.7	7.7	7.2	4.9	4.1
87.5°	5.9	5.9	5.9	5.4	3.6	3.1
88°	4.1	4.4	4.1	3.9	2.6	2.1
88.5°	3.1	3.4	3.1	2.6	1.5	1.0



TEST NUMBER: P776074

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.5	0.8	0.5	0.3	0.3	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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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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Scaled Data Report





21.5°	1518.2	1518.4	1518.2	1518.2	1517.4	1518.2	1518.2	1518.4	1518.2	1518.4	1518.2
22°	1507.1	1507.1	1507.1	1506.6	1505.8	1506.6	1507.1	1507.1	1507.1	1507.1	1507.1



44°	622.7	624.6	632.3	635.6	637.2	635.6	632.3	624.6	622.7	624.6	632.3
44.5°	592.8	595.7	603.1	607.3	608.8	607.3	603.1	595.7	592.8	595.7	603.1



66.5°	116.6	117.1	117.1	116.9	116.6	116.9	117.1	117.1	116.6	117.1	117.1
67°	113.0	113.5	113.5	113.2	113.0	113.2	113.5	113.5	113.0	113.5	113.5



89°	0.5	0.8	1.5	2.1	2.3	2.1	1.5	0.8	0.5	0.8	1.5
89.5°	0.3	0.3	0.8	1.3	1.5	1.3	0.8	0.3	0.3	0.3	0.8

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21.5°	1518.2	1517.4	1518.2	1518.2	1518.4	1518.2
22°	1506.6	1505.8	1506.6	1507.1	1507.1	1507.1

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44°	635.6	637.2	635.6	632.3	624.6	622.7
44.5°	607.3	608.8	607.3	603.1	595.7	592.8



66.5°	116.9	116.6	116.9	117.1	117.1	116.6
67°	113.2	113.0	113.2	113.5	113.5	113.0



89°	2.1	2.3	2.1	1.5	0.8	0.5
89.5°	1.3	1.5	1.3	0.8	0.3	0.3

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Peachtree City, GA 30269

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(END OF REPORT)