

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: P776070

Luminaire Tested: HCDJBS1525CSD-HCD62TRMW-2500lm-2700K

Issue Date: 2/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776070  
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-2700K  
Description: 6 INCH ROUND NARROW MATTE WHITE TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

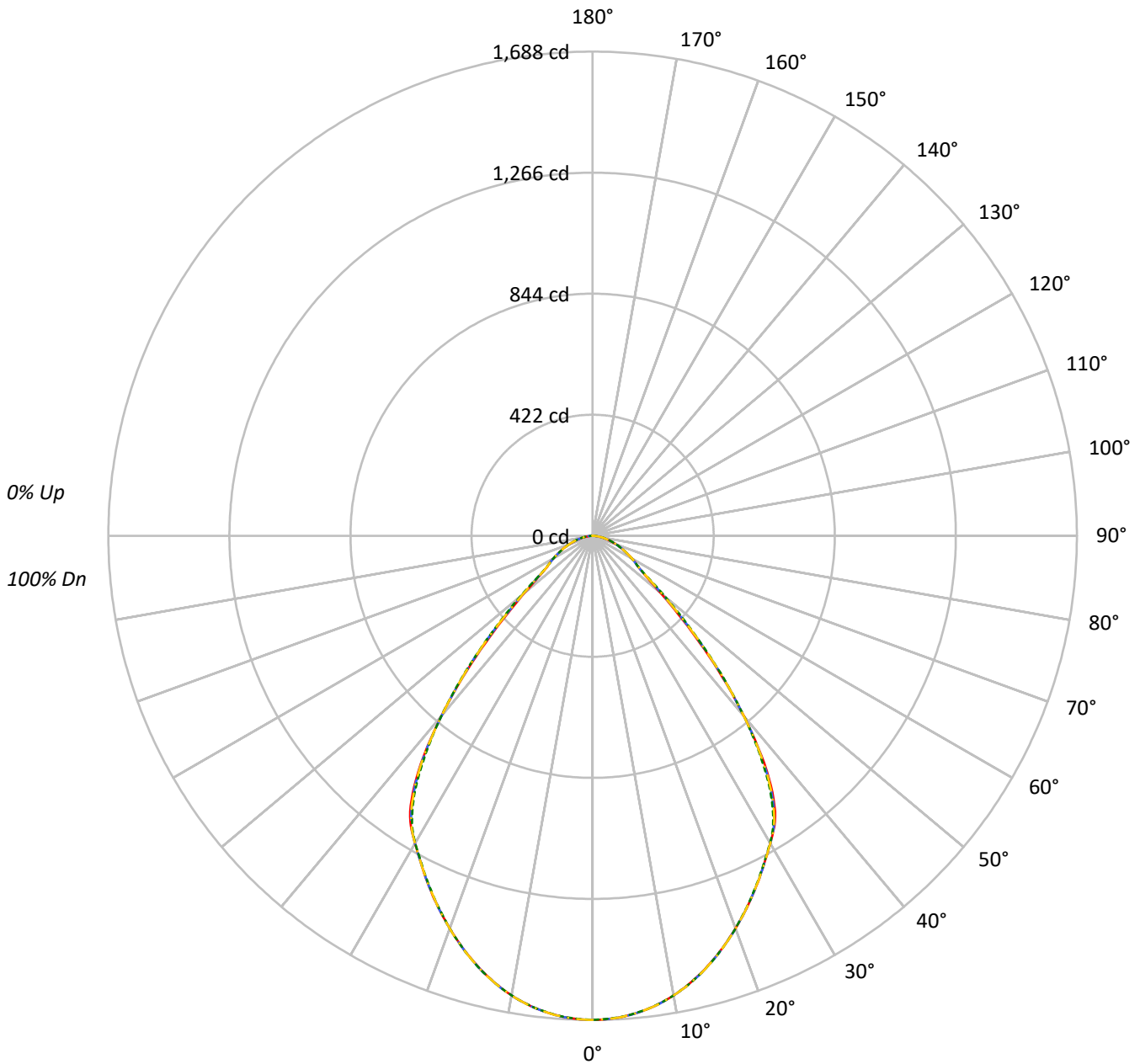
Lumens per Lamp: N/A  
Luminaire Lumens: 2687.0 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P776070  
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMW-2500lm-2700K

**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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89								
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79								
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71								
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63								
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57								
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52								
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47								
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43								
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40								
10	62	50	43	38	61	50	43	38	49	43	38	48	42	38	47	42	38	36								

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

	0°	90°	180°	270°
0°	92531	92531	92531	92531
5°	92042	92004	92042	92004
10°	90574	90574	90574	90574
15°	88099	88139	88099	88139
20°	84976	84947	84976	84947
25°	81604	81470	81604	81470
30°	78392	78272	78392	78272
35°	73107	72036	73107	72036
40°	58681	58746	58681	58746
45°	41059	42299	41059	42299
50°	26251	27965	26251	27965
55°	19096	19392	19096	19392
60°	17334	17257	17334	17257
65°	15579	15514	15579	15514
70°	13816	14009	13816	14009
75°	12052	12666	12052	12666
80°	9944	11239	9944	11239
85°	6101	9309	6101	9309

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 42299 cd/sqm



TEST NUMBER: P776070

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	5.9
10°-20°	436.5	16.2
20°-30°	620.8	23.1
30°-40°	663.6	24.7
40°-50°	419.3	15.6
50°-60°	190.8	7.1
60°-70°	119.5	4.4
70°-80°	62.8	2.3
80°-90°	15.5	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°	1215.5	45.2
0°-40°	1879.1	69.9
0°-60°	2489.2	92.6
0°-90°	2687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2687.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1688	1688	1688	1688	1688	
5°	1673	1672	1673	1672	1673	158
15°	1552	1553	1552	1553	1552	436
25°	1349	1347	1349	1347	1349	621
35°	1092	1076	1092	1076	1092	666
45°	530	546	530	546	530	413
55°	200	203	200	203	200	188
65°	120	120	120	120	120	119
75°	57	60	57	60	57	61
85°	10	15	10	15	10	13
90°	0	1	0	1	0	



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9
0.5°	1687.6	1687.9	1687.6	1687.6	1686.9	1687.6	1687.6	1687.9	1687.6	1687.9	1687.6
1°	1687.1	1687.4	1687.4	1687.1	1686.4	1687.1	1687.4	1687.4	1687.1	1687.4	1687.4
1.5°	1686.4	1686.7	1686.4	1686.4	1685.7	1686.4	1686.4	1686.7	1686.4	1686.7	1686.4
2°	1685.5	1685.5	1685.5	1685.5	1684.5	1685.5	1685.5	1685.5	1685.5	1685.5	1685.5
2.5°	1684.0	1684.0	1684.2	1684.0	1683.3	1684.0	1684.2	1684.0	1684.0	1684.0	1684.2
3°	1682.3	1682.5	1682.5	1682.5	1681.6	1682.5	1682.5	1682.5	1682.3	1682.5	1682.5
3.5°	1680.4	1680.4	1680.6	1680.6	1679.6	1680.6	1680.6	1680.4	1680.4	1680.4	1680.6
4°	1678.2	1678.2	1678.2	1678.2	1677.5	1678.2	1678.2	1678.2	1678.2	1678.2	1678.2
4.5°	1675.5	1675.8	1675.8	1675.8	1674.8	1675.8	1675.8	1675.8	1675.5	1675.8	1675.8
5°	1672.6	1672.9	1672.9	1672.9	1671.9	1672.9	1672.9	1672.9	1672.6	1672.9	1672.9
5.5°	1669.5	1669.7	1669.7	1669.7	1668.7	1669.7	1669.7	1669.7	1669.5	1669.7	1669.7
6°	1666.1	1666.1	1666.1	1666.1	1665.4	1666.1	1666.1	1666.1	1666.1	1666.1	1666.1
6.5°	1662.2	1662.2	1662.4	1662.4	1661.7	1662.4	1662.4	1662.2	1662.2	1662.2	1662.4
7°	1658.1	1658.3	1658.3	1658.3	1657.6	1658.3	1658.3	1658.3	1658.1	1658.3	1658.3
7.5°	1653.7	1653.7	1654.0	1654.0	1653.2	1654.0	1654.0	1653.7	1653.7	1653.7	1654.0
8°	1648.9	1649.1	1649.4	1649.4	1648.6	1649.4	1649.4	1649.1	1648.9	1649.1	1649.4
8.5°	1643.8	1644.0	1644.3	1644.3	1643.6	1644.3	1644.3	1644.0	1643.8	1644.0	1644.3
9°	1638.5	1638.7	1639.0	1639.2	1638.5	1639.2	1639.0	1638.7	1638.5	1638.7	1639.0
9.5°	1632.9	1633.1	1633.4	1633.6	1632.9	1633.6	1633.4	1633.1	1632.9	1633.1	1633.4
10°	1627.1	1627.1	1627.3	1627.8	1627.1	1627.8	1627.3	1627.1	1627.1	1627.1	1627.3
10.5°	1620.8	1620.8	1621.3	1621.5	1620.8	1621.5	1621.3	1620.8	1620.8	1620.8	1621.3
11°	1614.3	1614.3	1614.7	1615.2	1614.3	1615.2	1614.7	1614.3	1614.3	1614.3	1614.7
11.5°	1607.2	1607.5	1608.0	1608.4	1607.7	1608.4	1608.0	1607.5	1607.2	1607.5	1608.0
12°	1600.2	1600.5	1600.9	1601.4	1600.7	1601.4	1600.9	1600.5	1600.2	1600.5	1600.9
12.5°	1592.9	1593.2	1593.4	1593.9	1593.4	1593.9	1593.4	1593.2	1592.9	1593.2	1593.4
13°	1585.2	1585.4	1585.9	1586.4	1585.9	1586.4	1585.9	1585.4	1585.2	1585.4	1585.9
13.5°	1577.4	1577.7	1578.2	1578.7	1577.9	1578.7	1578.2	1577.7	1577.4	1577.7	1578.2
14°	1569.2	1569.7	1570.2	1570.4	1569.9	1570.4	1570.2	1569.7	1569.2	1569.7	1570.2
14.5°	1561.0	1561.2	1561.7	1562.2	1561.7	1562.2	1561.7	1561.2	1561.0	1561.2	1561.7
15°	1552.3	1552.7	1553.2	1553.7	1553.0	1553.7	1553.2	1552.7	1552.3	1552.7	1553.2
15.5°	1543.5	1543.8	1544.3	1544.8	1544.0	1544.8	1544.3	1543.8	1543.5	1543.8	1544.3
16°	1534.3	1534.8	1535.3	1535.8	1535.1	1535.8	1535.3	1534.8	1534.3	1534.8	1535.3
16.5°	1525.4	1525.6	1526.1	1526.6	1525.9	1526.6	1526.1	1525.6	1525.4	1525.6	1526.1
17°	1515.9	1516.2	1516.7	1517.1	1516.4	1517.1	1516.7	1516.2	1515.9	1516.2	1516.7
17.5°	1506.5	1506.5	1507.0	1507.5	1506.7	1507.5	1507.0	1506.5	1506.5	1506.5	1507.0
18°	1496.6	1497.1	1497.3	1497.5	1496.8	1497.5	1497.3	1497.1	1496.6	1497.1	1497.3
18.5°	1486.6	1487.1	1487.4	1487.6	1486.9	1487.6	1487.4	1487.1	1486.6	1487.1	1487.4
19°	1476.7	1477.2	1477.4	1477.4	1477.0	1477.4	1477.4	1477.2	1476.7	1477.2	1477.4
19.5°	1466.8	1467.0	1467.3	1467.5	1466.8	1467.5	1467.3	1467.0	1466.8	1467.0	1467.3
20°	1456.6	1456.9	1457.1	1457.1	1456.1	1457.1	1457.1	1456.9	1456.6	1456.9	1457.1
20.5°	1446.4	1446.4	1446.4	1446.4	1445.7	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
21°	1435.5	1435.8	1436.0	1435.8	1435.1	1435.8	1436.0	1435.8	1435.5	1435.8	1436.0



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1404.1	1404.1	1403.8	1403.6	1402.6	1403.6	1403.8	1404.1	1404.1	1404.1	1403.8
23°	1393.2	1393.2	1392.9	1392.7	1391.7	1392.7	1392.9	1393.2	1393.2	1393.2	1392.9
23.5°	1382.3	1382.3	1382.0	1381.5	1380.8	1381.5	1382.0	1382.3	1382.3	1382.3	1382.0
24°	1371.4	1371.4	1371.1	1370.4	1369.4	1370.4	1371.1	1371.4	1371.4	1371.4	1371.1
24.5°	1360.5	1360.2	1360.0	1359.3	1358.3	1359.3	1360.0	1360.2	1360.5	1360.2	1360.0
25°	1349.1	1349.1	1348.8	1348.1	1346.9	1348.1	1348.8	1349.1	1349.1	1349.1	1348.8
25.5°	1337.9	1337.9	1337.7	1336.7	1335.8	1336.7	1337.7	1337.9	1337.9	1337.9	1337.7
26°	1326.8	1326.8	1326.6	1325.8	1324.6	1325.8	1326.6	1326.8	1326.8	1326.8	1326.6
26.5°	1315.4	1315.4	1315.2	1314.2	1313.2	1314.2	1315.2	1315.4	1315.4	1315.4	1315.2
27°	1304.0	1304.3	1304.0	1303.1	1301.9	1303.1	1304.0	1304.3	1304.0	1304.3	1304.0
27.5°	1292.9	1292.9	1292.7	1291.9	1290.7	1291.9	1292.7	1292.9	1292.9	1292.9	1292.7
28°	1281.3	1281.8	1281.5	1280.8	1279.8	1280.8	1281.5	1281.8	1281.3	1281.8	1281.5
28.5°	1270.4	1270.9	1270.6	1269.9	1268.9	1269.9	1270.6	1270.9	1270.4	1270.9	1270.6
29°	1259.5	1260.0	1259.7	1259.2	1258.0	1259.2	1259.7	1260.0	1259.5	1260.0	1259.7
29.5°	1248.8	1249.1	1249.1	1248.3	1247.4	1248.3	1249.1	1249.1	1248.8	1249.1	1249.1
30°	1238.4	1238.4	1238.4	1237.5	1236.5	1237.5	1238.4	1238.4	1238.4	1238.4	1238.4
30.5°	1227.8	1228.0	1227.5	1226.8	1225.6	1226.8	1227.5	1228.0	1227.8	1228.0	1227.5
31°	1217.4	1217.4	1216.9	1215.7	1214.2	1215.7	1216.9	1217.4	1217.4	1217.4	1216.9
31.5°	1206.2	1206.2	1205.2	1204.0	1202.1	1204.0	1205.2	1206.2	1206.2	1206.2	1205.2
32°	1194.8	1194.1	1192.4	1190.2	1187.6	1190.2	1192.4	1194.1	1194.8	1194.1	1192.4
32.5°	1182.5	1180.8	1178.1	1174.5	1171.3	1174.5	1178.1	1180.8	1182.5	1180.8	1178.1
33°	1168.4	1166.5	1161.9	1157.8	1154.4	1157.8	1161.9	1166.5	1168.4	1166.5	1161.9
33.5°	1152.2	1150.5	1144.2	1139.9	1136.5	1139.9	1144.2	1150.5	1152.2	1150.5	1144.2
34°	1133.8	1133.1	1125.6	1120.7	1117.8	1120.7	1125.6	1133.1	1133.8	1133.1	1125.6
34.5°	1113.7	1112.5	1105.7	1100.4	1097.7	1100.4	1105.7	1112.5	1113.7	1112.5	1105.7
35°	1092.4	1090.5	1084.6	1078.8	1076.4	1078.8	1084.6	1090.5	1092.4	1090.5	1084.6
35.5°	1069.9	1067.2	1062.6	1056.6	1053.4	1056.6	1062.6	1067.2	1069.9	1067.2	1062.6
36°	1045.9	1042.5	1039.6	1033.6	1029.7	1033.6	1039.6	1042.5	1045.9	1042.5	1039.6
36.5°	1020.7	1017.1	1015.1	1009.3	1004.5	1009.3	1015.1	1017.1	1020.7	1017.1	1015.1
37°	994.3	990.9	989.5	984.1	979.3	984.1	989.5	990.9	994.3	990.9	989.5
37.5°	966.7	964.3	962.8	958.5	953.6	958.5	962.8	964.3	966.7	964.3	962.8
38°	938.1	936.7	935.2	932.3	928.2	932.3	935.2	936.7	938.1	936.7	935.2
38.5°	908.8	908.8	906.4	905.4	901.8	905.4	906.4	908.8	908.8	908.8	906.4
39°	879.8	880.3	877.8	877.6	876.1	877.6	877.8	880.3	879.8	880.3	877.8
39.5°	850.0	850.7	848.3	849.0	848.8	849.0	848.3	850.7	850.0	850.7	848.3
40°	820.0	821.4	819.2	820.4	820.9	820.4	819.2	821.4	820.0	821.4	819.2
40.5°	789.5	791.6	790.2	792.1	792.6	792.1	790.2	791.6	789.5	791.6	790.2
41°	759.7	762.1	761.6	763.3	765.0	763.3	761.6	762.1	759.7	762.1	761.6
41.5°	730.1	731.8	733.3	735.4	736.2	735.4	733.3	731.8	730.1	731.8	733.3
42°	700.6	702.0	704.9	706.9	708.8	706.9	704.9	702.0	700.6	702.0	704.9
42.5°	671.3	672.7	676.8	679.3	681.0	679.3	676.8	672.7	671.3	672.7	676.8
43°	642.0	643.9	649.2	651.4	653.1	651.4	649.2	643.9	642.0	643.9	649.2
43.5°	613.2	614.9	621.4	623.6	625.0	623.6	621.4	614.9	613.2	614.9	621.4



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	529.6	532.5	539.8	543.9	545.6	543.9	539.8	532.5	529.6	532.5	539.8
45.5°	502.7	506.4	513.9	518.5	520.2	518.5	513.9	506.4	502.7	506.4	513.9
46°	477.1	481.2	488.4	493.8	495.9	493.8	488.4	481.2	477.1	481.2	488.4
46.5°	452.1	456.7	463.7	469.8	472.2	469.8	463.7	456.7	452.1	456.7	463.7
47°	427.9	433.0	439.8	446.3	449.0	446.3	439.8	433.0	427.9	433.0	439.8
47.5°	404.9	409.7	417.0	423.8	426.2	423.8	417.0	409.7	404.9	409.7	417.0
48°	383.1	387.9	395.2	402.2	404.9	402.2	395.2	387.9	383.1	387.9	395.2
48.5°	362.8	366.9	374.1	381.4	384.3	381.4	374.1	366.9	362.8	366.9	374.1
49°	343.1	347.0	354.0	361.8	364.5	361.8	354.0	347.0	343.1	347.0	354.0
49.5°	324.7	328.1	335.4	342.7	345.8	342.7	335.4	328.1	324.7	328.1	335.4
50°	307.8	310.2	317.7	325.0	327.9	325.0	317.7	310.2	307.8	310.2	317.7
50.5°	292.0	293.7	301.3	308.0	310.9	308.0	301.3	293.7	292.0	293.7	301.3
51°	277.5	279.0	285.8	291.8	295.2	291.8	285.8	279.0	277.5	279.0	285.8
51.5°	264.0	265.2	271.5	277.0	280.2	277.0	271.5	265.2	264.0	265.2	271.5
52°	251.6	252.8	258.6	263.2	265.9	263.2	258.6	252.8	251.6	252.8	258.6
52.5°	240.2	241.2	246.3	250.2	252.6	250.2	246.3	241.2	240.2	241.2	246.3
53°	229.8	231.5	235.1	238.3	240.2	238.3	235.1	231.5	229.8	231.5	235.1
53.5°	221.6	222.5	225.0	227.6	229.1	227.6	225.0	222.5	221.6	222.5	225.0
54°	213.8	214.1	215.8	217.7	218.9	217.7	215.8	214.1	213.8	214.1	215.8
54.5°	206.8	206.8	207.5	209.0	210.4	209.0	207.5	206.8	206.8	206.8	207.5
55°	199.8	200.0	201.0	202.0	202.9	202.0	201.0	200.0	199.8	200.0	201.0
55.5°	193.2	194.2	195.2	195.9	197.6	195.9	195.2	194.2	193.2	194.2	195.2
56°	188.6	189.1	189.9	190.3	192.3	190.3	189.9	189.1	188.6	189.1	189.9
56.5°	184.8	184.8	184.8	185.3	186.9	185.3	184.8	184.8	184.8	184.8	184.8
57°	181.1	181.1	180.7	180.4	181.6	180.4	180.7	181.1	181.1	181.1	180.7
57.5°	177.7	177.5	177.0	176.5	176.3	176.5	177.0	177.5	177.7	177.5	177.0
58°	174.1	173.9	173.4	172.9	172.4	172.9	173.4	173.9	174.1	173.9	173.4
58.5°	170.2	170.0	169.5	169.0	168.8	169.0	169.5	170.0	170.2	170.0	169.5
59°	166.4	166.1	165.9	165.4	164.9	165.4	165.9	166.1	166.4	166.1	165.9
59.5°	162.2	162.2	161.8	161.5	161.3	161.5	161.8	162.2	162.2	162.2	161.8
60°	158.1	158.1	157.9	157.6	157.4	157.6	157.9	158.1	158.1	158.1	157.9
60.5°	154.0	154.0	153.8	153.5	153.3	153.5	153.8	154.0	154.0	154.0	153.8
61°	150.1	150.1	149.9	149.7	149.4	149.7	149.9	150.1	150.1	150.1	149.9
61.5°	146.3	146.3	146.0	145.8	145.5	145.8	146.0	146.3	146.3	146.3	146.0
62°	142.4	142.4	142.1	141.9	141.7	141.9	142.1	142.4	142.4	142.4	142.1
62.5°	138.5	138.5	138.3	138.0	137.8	138.0	138.3	138.5	138.5	138.5	138.3
63°	134.9	134.6	134.6	134.2	134.2	134.2	134.6	134.6	134.9	134.6	134.6
63.5°	131.0	131.0	130.8	130.5	130.5	130.5	130.8	131.0	131.0	131.0	130.8
64°	127.4	127.4	127.1	126.9	126.7	126.9	127.1	127.4	127.4	127.4	127.1
64.5°	123.7	123.7	123.5	123.3	123.3	123.3	123.5	123.7	123.7	123.7	123.5
65°	120.1	120.4	120.1	119.9	119.6	119.9	120.1	120.4	120.1	120.4	120.1
65.5°	116.5	116.7	116.7	116.5	116.2	116.5	116.7	116.7	116.5	116.7	116.7
66°	113.1	113.3	113.1	112.8	112.8	112.8	113.1	113.3	113.1	113.3	113.1





TEST NUMBER: P776070

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	102.7	103.2	103.2	102.9	102.9	102.9	103.2	103.2	102.7	103.2	103.2
68°	99.3	99.8	100.0	99.8	99.8	99.8	100.0	99.8	99.3	99.8	100.0
68.5°	96.1	96.6	96.9	96.6	96.6	96.6	96.9	96.6	96.1	96.6	96.9
69°	92.7	93.5	93.7	93.7	93.5	93.7	93.7	93.5	92.7	93.5	93.7
69.5°	89.4	90.3	90.8	90.6	90.6	90.6	90.8	90.3	89.4	90.3	90.8
70°	86.2	86.9	87.7	87.7	87.4	87.7	87.7	86.9	86.2	86.9	87.7
70.5°	83.1	84.0	84.8	84.5	84.5	84.5	84.8	84.0	83.1	84.0	84.8
71°	80.2	81.1	81.9	81.9	81.6	81.9	81.9	81.1	80.2	81.1	81.9
71.5°	77.0	78.0	78.9	78.9	78.7	78.9	78.9	78.0	77.0	78.0	78.9
72°	74.1	75.1	76.0	76.0	75.8	76.0	76.0	75.1	74.1	75.1	76.0
72.5°	71.2	72.2	73.4	73.1	73.1	73.1	73.4	72.2	71.2	72.2	73.4
73°	68.0	69.3	70.5	70.5	70.2	70.5	70.5	69.3	68.0	69.3	70.5
73.5°	65.1	66.4	67.8	67.8	67.6	67.8	67.8	66.4	65.1	66.4	67.8
74°	62.5	63.4	64.9	65.1	64.9	65.1	64.9	63.4	62.5	63.4	64.9
74.5°	59.6	60.8	62.2	62.5	62.2	62.5	62.2	60.8	59.6	60.8	62.2
75°	56.9	57.9	59.6	59.8	59.8	59.8	59.6	57.9	56.9	57.9	59.6
75.5°	54.2	55.2	57.2	57.2	57.2	57.2	57.2	55.2	54.2	55.2	57.2
76°	51.6	52.5	54.5	54.7	54.7	54.7	54.5	52.5	51.6	52.5	54.5
76.5°	48.9	49.9	51.8	52.3	52.1	52.3	51.8	49.9	48.9	49.9	51.8
77°	46.3	47.5	49.4	49.9	49.6	49.9	49.4	47.5	46.3	47.5	49.4
77.5°	43.6	44.8	47.0	47.5	47.2	47.5	47.0	44.8	43.6	44.8	47.0
78°	41.2	42.4	44.3	45.0	44.8	45.0	44.3	42.4	41.2	42.4	44.3
78.5°	38.7	39.7	41.9	42.6	42.6	42.6	41.9	39.7	38.7	39.7	41.9
79°	36.3	37.3	39.5	40.2	40.2	40.2	39.5	37.3	36.3	37.3	39.5
79.5°	33.9	34.9	37.3	38.0	38.0	38.0	37.3	34.9	33.9	34.9	37.3
80°	31.5	32.4	34.9	35.6	35.6	35.6	34.9	32.4	31.5	32.4	34.9
80.5°	29.3	30.3	32.7	33.4	33.4	33.4	32.7	30.3	29.3	30.3	32.7
81°	26.9	27.8	30.3	31.2	31.2	31.2	30.3	27.8	26.9	27.8	30.3
81.5°	24.7	25.4	28.1	29.1	29.1	29.1	28.1	25.4	24.7	25.4	28.1
82°	22.5	23.2	25.9	26.9	26.9	26.9	25.9	23.2	22.5	23.2	25.9
82.5°	20.1	21.1	23.7	24.9	24.9	24.9	23.7	21.1	20.1	21.1	23.7
83°	17.9	18.9	21.6	22.8	22.8	22.8	21.6	18.9	17.9	18.9	21.6
83.5°	15.7	16.7	19.6	20.8	20.6	20.8	19.6	16.7	15.7	16.7	19.6
84°	13.8	14.5	17.7	18.6	18.6	18.6	17.7	14.5	13.8	14.5	17.7
84.5°	11.6	12.4	15.7	16.7	16.7	16.7	15.7	12.4	11.6	12.4	15.7
85°	9.7	10.4	13.8	14.8	14.8	14.8	13.8	10.4	9.7	10.4	13.8
85.5°	7.7	8.7	11.9	12.8	12.8	12.8	11.9	8.7	7.7	8.7	11.9
86°	6.3	7.0	10.2	10.9	10.9	10.9	10.2	7.0	6.3	7.0	10.2
86.5°	5.1	5.8	8.2	9.0	9.2	9.0	8.2	5.8	5.1	5.8	8.2
87°	3.9	4.6	6.8	7.3	7.3	7.3	6.8	4.6	3.9	4.6	6.8
87.5°	2.9	3.4	5.1	5.6	5.6	5.6	5.1	3.4	2.9	3.4	5.1
88°	1.9	2.4	3.6	3.9	4.1	3.9	3.6	2.4	1.9	2.4	3.6
88.5°	1.0	1.5	2.4	2.9	3.1	2.9	2.4	1.5	1.0	1.5	2.4



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1687.9	1687.9	1687.9	1687.9	1687.9	1687.9
0.5°	1687.6	1686.9	1687.6	1687.6	1687.9	1687.6
1°	1687.1	1686.4	1687.1	1687.4	1687.4	1687.1
1.5°	1686.4	1685.7	1686.4	1686.4	1686.7	1686.4
2°	1685.5	1684.5	1685.5	1685.5	1685.5	1685.5
2.5°	1684.0	1683.3	1684.0	1684.2	1684.0	1684.0
3°	1682.5	1681.6	1682.5	1682.5	1682.5	1682.3
3.5°	1680.6	1679.6	1680.6	1680.6	1680.4	1680.4
4°	1678.2	1677.5	1678.2	1678.2	1678.2	1678.2
4.5°	1675.8	1674.8	1675.8	1675.8	1675.8	1675.5
5°	1672.9	1671.9	1672.9	1672.9	1672.9	1672.6
5.5°	1669.7	1668.7	1669.7	1669.7	1669.7	1669.5
6°	1666.1	1665.4	1666.1	1666.1	1666.1	1666.1
6.5°	1662.4	1661.7	1662.4	1662.4	1662.2	1662.2
7°	1658.3	1657.6	1658.3	1658.3	1658.3	1658.1
7.5°	1654.0	1653.2	1654.0	1654.0	1653.7	1653.7
8°	1649.4	1648.6	1649.4	1649.4	1649.1	1648.9
8.5°	1644.3	1643.6	1644.3	1644.3	1644.0	1643.8
9°	1639.2	1638.5	1639.2	1639.0	1638.7	1638.5
9.5°	1633.6	1632.9	1633.6	1633.4	1633.1	1632.9
10°	1627.8	1627.1	1627.8	1627.3	1627.1	1627.1
10.5°	1621.5	1620.8	1621.5	1621.3	1620.8	1620.8
11°	1615.2	1614.3	1615.2	1614.7	1614.3	1614.3
11.5°	1608.4	1607.7	1608.4	1608.0	1607.5	1607.2
12°	1601.4	1600.7	1601.4	1600.9	1600.5	1600.2
12.5°	1593.9	1593.4	1593.9	1593.4	1593.2	1592.9
13°	1586.4	1585.9	1586.4	1585.9	1585.4	1585.2
13.5°	1578.7	1577.9	1578.7	1578.2	1577.7	1577.4
14°	1570.4	1569.9	1570.4	1570.2	1569.7	1569.2
14.5°	1562.2	1561.7	1562.2	1561.7	1561.2	1561.0
15°	1553.7	1553.0	1553.7	1553.2	1552.7	1552.3
15.5°	1544.8	1544.0	1544.8	1544.3	1543.8	1543.5
16°	1535.8	1535.1	1535.8	1535.3	1534.8	1534.3
16.5°	1526.6	1525.9	1526.6	1526.1	1525.6	1525.4
17°	1517.1	1516.4	1517.1	1516.7	1516.2	1515.9
17.5°	1507.5	1506.7	1507.5	1507.0	1506.5	1506.5
18°	1497.5	1496.8	1497.5	1497.3	1497.1	1496.6
18.5°	1487.6	1486.9	1487.6	1487.4	1487.1	1486.6
19°	1477.4	1477.0	1477.4	1477.4	1477.2	1476.7
19.5°	1467.5	1466.8	1467.5	1467.3	1467.0	1466.8
20°	1457.1	1456.1	1457.1	1457.1	1456.9	1456.6
20.5°	1446.4	1445.7	1446.4	1446.4	1446.4	1446.4
21°	1435.8	1435.1	1435.8	1436.0	1435.8	1435.5



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1403.6	1402.6	1403.6	1403.8	1404.1	1404.1
23°	1392.7	1391.7	1392.7	1392.9	1393.2	1393.2
23.5°	1381.5	1380.8	1381.5	1382.0	1382.3	1382.3
24°	1370.4	1369.4	1370.4	1371.1	1371.4	1371.4
24.5°	1359.3	1358.3	1359.3	1360.0	1360.2	1360.5
25°	1348.1	1346.9	1348.1	1348.8	1349.1	1349.1
25.5°	1336.7	1335.8	1336.7	1337.7	1337.9	1337.9
26°	1325.8	1324.6	1325.8	1326.6	1326.8	1326.8
26.5°	1314.2	1313.2	1314.2	1315.2	1315.4	1315.4
27°	1303.1	1301.9	1303.1	1304.0	1304.3	1304.0
27.5°	1291.9	1290.7	1291.9	1292.7	1292.9	1292.9
28°	1280.8	1279.8	1280.8	1281.5	1281.8	1281.3
28.5°	1269.9	1268.9	1269.9	1270.6	1270.9	1270.4
29°	1259.2	1258.0	1259.2	1259.7	1260.0	1259.5
29.5°	1248.3	1247.4	1248.3	1249.1	1249.1	1248.8
30°	1237.5	1236.5	1237.5	1238.4	1238.4	1238.4
30.5°	1226.8	1225.6	1226.8	1227.5	1228.0	1227.8
31°	1215.7	1214.2	1215.7	1216.9	1217.4	1217.4
31.5°	1204.0	1202.1	1204.0	1205.2	1206.2	1206.2
32°	1190.2	1187.6	1190.2	1192.4	1194.1	1194.8
32.5°	1174.5	1171.3	1174.5	1178.1	1180.8	1182.5
33°	1157.8	1154.4	1157.8	1161.9	1166.5	1168.4
33.5°	1139.9	1136.5	1139.9	1144.2	1150.5	1152.2
34°	1120.7	1117.8	1120.7	1125.6	1133.1	1133.8
34.5°	1100.4	1097.7	1100.4	1105.7	1112.5	1113.7
35°	1078.8	1076.4	1078.8	1084.6	1090.5	1092.4
35.5°	1056.6	1053.4	1056.6	1062.6	1067.2	1069.9
36°	1033.6	1029.7	1033.6	1039.6	1042.5	1045.9
36.5°	1009.3	1004.5	1009.3	1015.1	1017.1	1020.7
37°	984.1	979.3	984.1	989.5	990.9	994.3
37.5°	958.5	953.6	958.5	962.8	964.3	966.7
38°	932.3	928.2	932.3	935.2	936.7	938.1
38.5°	905.4	901.8	905.4	906.4	908.8	908.8
39°	877.6	876.1	877.6	877.8	880.3	879.8
39.5°	849.0	848.8	849.0	848.3	850.7	850.0
40°	820.4	820.9	820.4	819.2	821.4	820.0
40.5°	792.1	792.6	792.1	790.2	791.6	789.5
41°	763.3	765.0	763.3	761.6	762.1	759.7
41.5°	735.4	736.2	735.4	733.3	731.8	730.1
42°	706.9	708.8	706.9	704.9	702.0	700.6
42.5°	679.3	681.0	679.3	676.8	672.7	671.3
43°	651.4	653.1	651.4	649.2	643.9	642.0
43.5°	623.6	625.0	623.6	621.4	614.9	613.2

TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	543.9	545.6	543.9	539.8	532.5	529.6
45.5°	518.5	520.2	518.5	513.9	506.4	502.7
46°	493.8	495.9	493.8	488.4	481.2	477.1
46.5°	469.8	472.2	469.8	463.7	456.7	452.1
47°	446.3	449.0	446.3	439.8	433.0	427.9
47.5°	423.8	426.2	423.8	417.0	409.7	404.9
48°	402.2	404.9	402.2	395.2	387.9	383.1
48.5°	381.4	384.3	381.4	374.1	366.9	362.8
49°	361.8	364.5	361.8	354.0	347.0	343.1
49.5°	342.7	345.8	342.7	335.4	328.1	324.7
50°	325.0	327.9	325.0	317.7	310.2	307.8
50.5°	308.0	310.9	308.0	301.3	293.7	292.0
51°	291.8	295.2	291.8	285.8	279.0	277.5
51.5°	277.0	280.2	277.0	271.5	265.2	264.0
52°	263.2	265.9	263.2	258.6	252.8	251.6
52.5°	250.2	252.6	250.2	246.3	241.2	240.2
53°	238.3	240.2	238.3	235.1	231.5	229.8
53.5°	227.6	229.1	227.6	225.0	222.5	221.6
54°	217.7	218.9	217.7	215.8	214.1	213.8
54.5°	209.0	210.4	209.0	207.5	206.8	206.8
55°	202.0	202.9	202.0	201.0	200.0	199.8
55.5°	195.9	197.6	195.9	195.2	194.2	193.2
56°	190.3	192.3	190.3	189.9	189.1	188.6
56.5°	185.3	186.9	185.3	184.8	184.8	184.8
57°	180.4	181.6	180.4	180.7	181.1	181.1
57.5°	176.5	176.3	176.5	177.0	177.5	177.7
58°	172.9	172.4	172.9	173.4	173.9	174.1
58.5°	169.0	168.8	169.0	169.5	170.0	170.2
59°	165.4	164.9	165.4	165.9	166.1	166.4
59.5°	161.5	161.3	161.5	161.8	162.2	162.2
60°	157.6	157.4	157.6	157.9	158.1	158.1
60.5°	153.5	153.3	153.5	153.8	154.0	154.0
61°	149.7	149.4	149.7	149.9	150.1	150.1
61.5°	145.8	145.5	145.8	146.0	146.3	146.3
62°	141.9	141.7	141.9	142.1	142.4	142.4
62.5°	138.0	137.8	138.0	138.3	138.5	138.5
63°	134.2	134.2	134.2	134.6	134.6	134.9
63.5°	130.5	130.5	130.5	130.8	131.0	131.0
64°	126.9	126.7	126.9	127.1	127.4	127.4
64.5°	123.3	123.3	123.3	123.5	123.7	123.7
65°	119.9	119.6	119.9	120.1	120.4	120.1
65.5°	116.5	116.2	116.5	116.7	116.7	116.5
66°	112.8	112.8	112.8	113.1	113.3	113.1



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	102.9	102.9	102.9	103.2	103.2	102.7
68°	99.8	99.8	99.8	100.0	99.8	99.3
68.5°	96.6	96.6	96.6	96.9	96.6	96.1
69°	93.7	93.5	93.7	93.7	93.5	92.7
69.5°	90.6	90.6	90.6	90.8	90.3	89.4
70°	87.7	87.4	87.7	87.7	86.9	86.2
70.5°	84.5	84.5	84.5	84.8	84.0	83.1
71°	81.9	81.6	81.9	81.9	81.1	80.2
71.5°	78.9	78.7	78.9	78.9	78.0	77.0
72°	76.0	75.8	76.0	76.0	75.1	74.1
72.5°	73.1	73.1	73.1	73.4	72.2	71.2
73°	70.5	70.2	70.5	70.5	69.3	68.0
73.5°	67.8	67.6	67.8	67.8	66.4	65.1
74°	65.1	64.9	65.1	64.9	63.4	62.5
74.5°	62.5	62.2	62.5	62.2	60.8	59.6
75°	59.8	59.8	59.8	59.6	57.9	56.9
75.5°	57.2	57.2	57.2	57.2	55.2	54.2
76°	54.7	54.7	54.7	54.5	52.5	51.6
76.5°	52.3	52.1	52.3	51.8	49.9	48.9
77°	49.9	49.6	49.9	49.4	47.5	46.3
77.5°	47.5	47.2	47.5	47.0	44.8	43.6
78°	45.0	44.8	45.0	44.3	42.4	41.2
78.5°	42.6	42.6	42.6	41.9	39.7	38.7
79°	40.2	40.2	40.2	39.5	37.3	36.3
79.5°	38.0	38.0	38.0	37.3	34.9	33.9
80°	35.6	35.6	35.6	34.9	32.4	31.5
80.5°	33.4	33.4	33.4	32.7	30.3	29.3
81°	31.2	31.2	31.2	30.3	27.8	26.9
81.5°	29.1	29.1	29.1	28.1	25.4	24.7
82°	26.9	26.9	26.9	25.9	23.2	22.5
82.5°	24.9	24.9	24.9	23.7	21.1	20.1
83°	22.8	22.8	22.8	21.6	18.9	17.9
83.5°	20.8	20.6	20.8	19.6	16.7	15.7
84°	18.6	18.6	18.6	17.7	14.5	13.8
84.5°	16.7	16.7	16.7	15.7	12.4	11.6
85°	14.8	14.8	14.8	13.8	10.4	9.7
85.5°	12.8	12.8	12.8	11.9	8.7	7.7
86°	10.9	10.9	10.9	10.2	7.0	6.3
86.5°	9.0	9.2	9.0	8.2	5.8	5.1
87°	7.3	7.3	7.3	6.8	4.6	3.9
87.5°	5.6	5.6	5.6	5.1	3.4	2.9
88°	3.9	4.1	3.9	3.6	2.4	1.9
88.5°	2.9	3.1	2.9	2.4	1.5	1.0



TEST NUMBER: P776070

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMW-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.5	0.7	0.5	0.2	0.2	0.0



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Cooper Lighting Solutions Photometric Lab  
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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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Peachtree City, GA 30269

Scaled Data Report





21.5°	1425.1	1425.4	1425.1	1425.1	1424.4	1425.1	1425.1	1425.4	1425.1	1425.4	1425.1
22°	1414.7	1414.7	1414.7	1414.2	1413.5	1414.2	1414.7	1414.7	1414.7	1414.7	1414.7



44°	584.6	586.3	593.5	596.7	598.1	596.7	593.5	586.3	584.6	586.3	593.5
44.5°	556.5	559.2	566.2	570.1	571.5	570.1	566.2	559.2	556.5	559.2	566.2



66.5°	109.5	109.9	109.9	109.7	109.5	109.7	109.9	109.9	109.5	109.9	109.9
67°	106.1	106.6	106.6	106.3	106.1	106.3	106.6	106.6	106.1	106.6	106.6



89°	0.5	0.7	1.5	1.9	2.2	1.9	1.5	0.7	0.5	0.7	1.5
89.5°	0.2	0.2	0.7	1.2	1.5	1.2	0.7	0.2	0.2	0.2	0.7



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21.5°	1425.1	1424.4	1425.1	1425.1	1425.4	1425.1
22°	1414.2	1413.5	1414.2	1414.7	1414.7	1414.7



44°	596.7	598.1	596.7	593.5	586.3	584.6
44.5°	570.1	571.5	570.1	566.2	559.2	556.5

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66.5°	109.7	109.5	109.7	109.9	109.9	109.5
67°	106.3	106.1	106.3	106.6	106.6	106.1



89°	1.9	2.2	1.9	1.5	0.7	0.5
89.5°	1.2	1.5	1.2	0.7	0.2	0.2

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)