

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: P776094

Luminaire Tested: HCDJBS1525CSD-HCD6TRMB-2500lm-5000K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B001-HCD6TRMB)  
Test Lab:  
Issue Date: 2/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBS1525CSD-HCD6TRMB-2500lm-5000K  
Description: 6 INCH ROUND MEDIUM MATTE BLACK TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1908.3 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

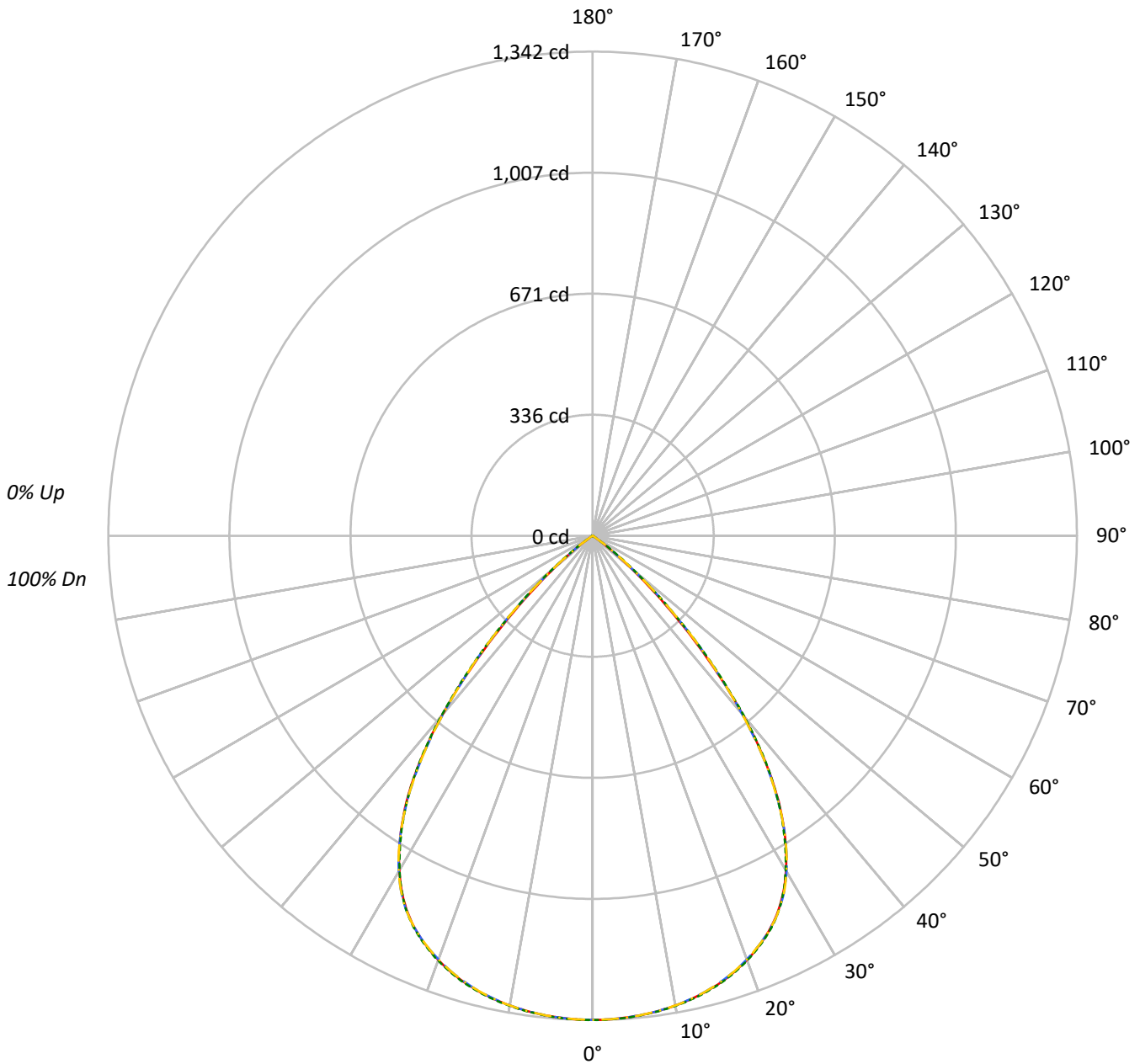
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P776094

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-5000K

### 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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92								
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84								
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77								
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70								
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64								
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59								
7	79	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	56	54								
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50								
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46								
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42								

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

	0°	90°	180°	270°
0°	73569	73569	73569	73569
5°	73569	73597	73569	73597
10°	73585	73640	73585	73640
15°	73502	73587	73502	73587
20°	72993	73086	72993	73086
25°	71599	71738	71599	71738
30°	67827	67726	67827	67726
35°	60124	59930	60124	59930
40°	46365	46752	46365	46752
45°	27716	29096	27716	29096
50°	11462	13177	11462	13177
55°	2217	2609	2217	2609
60°	164	164	164	164
65°	65	65	65	65
70°	48	48	48	48
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 29158 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.1	6.7
10°-20°	365.1	19.1
20°-30°	542.2	28.4
30°-40°	549.6	28.8
40°-50°	287.6	15.1
50°-60°	35.9	1.9
60°-70°	0.6	0.0
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°	1034.5	54.2
0°-40°	1584.0	83.0
0°-60°	1907.6	100.0
0°-90°	1908.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1342	1342	1342	1342	1342	
5°	1337	1337	1337	1337	1337	127
15°	1295	1297	1295	1297	1295	365
25°	1184	1186	1184	1186	1184	542
35°	898	896	898	896	898	551
45°	358	375	358	375	358	280
55°	23	27	23	27	23	33
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0
0.5°	1342.0	1341.8	1341.8	1341.8	1342.3	1341.8	1341.8	1341.8	1342.0	1341.8	1341.8
1°	1341.8	1341.8	1341.5	1341.5	1342.3	1341.5	1341.5	1341.8	1341.8	1341.8	1341.5
1.5°	1341.5	1341.5	1341.2	1341.2	1342.0	1341.2	1341.2	1341.5	1341.5	1341.5	1341.2
2°	1341.2	1341.0	1341.0	1341.0	1341.5	1341.0	1341.0	1341.0	1341.2	1341.0	1341.0
2.5°	1340.7	1340.5	1340.5	1340.5	1341.2	1340.5	1340.5	1340.5	1340.7	1340.5	1340.5
3°	1340.0	1340.0	1340.0	1340.0	1340.7	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0
3.5°	1339.4	1339.4	1339.4	1339.2	1340.0	1339.2	1339.4	1339.4	1339.4	1339.4	1339.4
4°	1338.7	1338.7	1338.7	1338.7	1339.2	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
4.5°	1337.6	1337.6	1337.6	1337.6	1338.4	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6
5°	1336.9	1336.9	1336.9	1336.9	1337.4	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9
5.5°	1335.8	1335.8	1335.8	1335.8	1336.6	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8
6°	1334.8	1334.5	1334.5	1334.5	1335.3	1334.5	1334.5	1334.5	1334.8	1334.5	1334.5
6.5°	1333.5	1333.3	1333.5	1333.5	1334.3	1333.5	1333.5	1333.3	1333.5	1333.3	1333.5
7°	1332.2	1332.0	1332.0	1332.2	1332.7	1332.2	1332.0	1332.0	1332.2	1332.0	1332.0
7.5°	1330.7	1330.7	1330.7	1330.7	1331.4	1330.7	1330.7	1330.7	1330.7	1330.7	1330.7
8°	1329.1	1329.1	1329.1	1329.1	1329.9	1329.1	1329.1	1329.1	1329.1	1329.1	1329.1
8.5°	1327.6	1327.3	1327.3	1327.6	1328.4	1327.6	1327.3	1327.3	1327.6	1327.3	1327.3
9°	1325.8	1325.8	1325.8	1325.8	1326.5	1325.8	1325.8	1325.8	1325.8	1325.8	1325.8
9.5°	1324.0	1323.7	1323.7	1324.0	1324.7	1324.0	1323.7	1323.7	1324.0	1323.7	1323.7
10°	1321.9	1321.9	1321.6	1321.9	1322.9	1321.9	1321.6	1321.9	1321.9	1321.9	1321.6
10.5°	1320.1	1319.6	1319.6	1319.8	1320.9	1319.8	1319.6	1319.6	1320.1	1319.6	1319.6
11°	1317.8	1317.5	1317.3	1317.8	1318.8	1317.8	1317.3	1317.5	1317.8	1317.5	1317.3
11.5°	1315.5	1314.9	1314.9	1315.5	1316.5	1315.5	1314.9	1314.9	1315.5	1314.9	1314.9
12°	1312.9	1312.6	1312.4	1312.9	1314.2	1312.9	1312.4	1312.6	1312.9	1312.6	1312.4
12.5°	1310.3	1309.8	1309.5	1310.3	1311.6	1310.3	1309.5	1309.8	1310.3	1309.8	1309.5
13°	1307.7	1307.2	1306.7	1307.5	1309.0	1307.5	1306.7	1307.2	1307.7	1307.2	1306.7
13.5°	1304.6	1304.1	1303.8	1304.6	1306.2	1304.6	1303.8	1304.1	1304.6	1304.1	1303.8
14°	1301.8	1301.0	1300.5	1301.5	1303.1	1301.5	1300.5	1301.0	1301.8	1301.0	1300.5
14.5°	1298.4	1297.9	1297.4	1298.2	1300.0	1298.2	1297.4	1297.9	1298.4	1297.9	1297.4
15°	1295.1	1294.3	1293.8	1294.8	1296.6	1294.8	1293.8	1294.3	1295.1	1294.3	1293.8
15.5°	1291.5	1290.7	1290.2	1291.2	1293.0	1291.2	1290.2	1290.7	1291.5	1290.7	1290.2
16°	1287.9	1287.1	1286.3	1287.6	1289.4	1287.6	1286.3	1287.1	1287.9	1287.1	1286.3
16.5°	1284.0	1283.0	1282.4	1283.7	1285.5	1283.7	1282.4	1283.0	1284.0	1283.0	1282.4
17°	1279.9	1278.8	1278.3	1279.6	1281.4	1279.6	1278.3	1278.8	1279.9	1278.8	1278.3
17.5°	1275.5	1274.7	1273.9	1275.2	1277.3	1275.2	1273.9	1274.7	1275.5	1274.7	1273.9
18°	1271.1	1270.1	1269.3	1270.8	1272.6	1270.8	1269.3	1270.1	1271.1	1270.1	1269.3
18.5°	1266.2	1265.4	1264.6	1266.2	1268.0	1266.2	1264.6	1265.4	1266.2	1265.4	1264.6
19°	1261.5	1260.5	1259.7	1261.3	1263.1	1261.3	1259.7	1260.5	1261.5	1260.5	1259.7
19.5°	1256.4	1255.6	1254.6	1256.1	1258.2	1256.1	1254.6	1255.6	1256.4	1255.6	1254.6
20°	1251.2	1250.2	1249.4	1251.0	1252.8	1251.0	1249.4	1250.2	1251.2	1250.2	1249.4
20.5°	1245.6	1244.8	1244.0	1245.6	1247.4	1245.6	1244.0	1244.8	1245.6	1244.8	1244.0
21°	1239.9	1239.1	1238.3	1239.9	1241.4	1239.9	1238.3	1239.1	1239.9	1239.1	1238.3



TEST NUMBER: P776094

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1221.1	1220.3	1220.0	1221.3	1222.9	1221.3	1220.0	1220.3	1221.1	1220.3	1220.0
23°	1214.1	1213.6	1213.3	1214.9	1215.9	1214.9	1213.3	1213.6	1214.1	1213.6	1213.3
23.5°	1206.9	1206.6	1206.6	1207.9	1208.9	1207.9	1206.6	1206.6	1206.9	1206.6	1206.6
24°	1199.6	1199.4	1199.6	1200.4	1201.7	1200.4	1199.6	1199.4	1199.6	1199.4	1199.6
24.5°	1191.9	1191.9	1192.2	1192.9	1194.0	1192.9	1192.2	1191.9	1191.9	1191.9	1192.2
25°	1183.7	1183.9	1184.4	1184.9	1186.0	1184.9	1184.4	1183.9	1183.7	1183.9	1184.4
25.5°	1175.1	1175.4	1176.2	1176.2	1177.2	1176.2	1176.2	1175.4	1175.1	1175.4	1176.2
26°	1165.9	1166.4	1167.1	1167.1	1168.2	1167.1	1167.1	1166.4	1165.9	1166.4	1167.1
26.5°	1156.3	1157.1	1158.1	1157.6	1158.1	1157.6	1158.1	1157.1	1156.3	1157.1	1158.1
27°	1146.0	1147.0	1148.1	1147.3	1147.8	1147.3	1148.1	1147.0	1146.0	1147.0	1148.1
27.5°	1135.2	1136.5	1137.5	1136.5	1136.5	1136.5	1137.5	1136.5	1135.2	1136.5	1137.5
28°	1123.6	1125.1	1126.4	1124.8	1124.1	1124.8	1126.4	1125.1	1123.6	1125.1	1126.4
28.5°	1111.4	1113.2	1114.5	1112.7	1111.4	1112.7	1114.5	1113.2	1111.4	1113.2	1114.5
29°	1098.8	1100.6	1101.9	1100.1	1098.3	1100.1	1101.9	1100.6	1098.8	1100.6	1101.9
29.5°	1085.4	1087.4	1088.7	1086.7	1084.3	1086.7	1088.7	1087.4	1085.4	1087.4	1088.7
30°	1071.5	1073.0	1074.5	1072.2	1069.9	1072.2	1074.5	1073.0	1071.5	1073.0	1074.5
30.5°	1057.0	1058.6	1059.8	1057.3	1054.7	1057.3	1059.8	1058.6	1057.0	1058.6	1059.8
31°	1041.8	1043.1	1044.4	1042.0	1039.2	1042.0	1044.4	1043.1	1041.8	1043.1	1044.4
31.5°	1026.1	1026.8	1028.1	1025.5	1023.0	1025.5	1028.1	1026.8	1026.1	1026.8	1028.1
32°	1009.8	1009.8	1011.1	1008.5	1006.5	1008.5	1011.1	1009.8	1009.8	1009.8	1011.1
32.5°	992.8	992.5	993.3	990.7	989.2	990.7	993.3	992.5	992.8	992.5	993.3
33°	975.2	974.2	975.0	972.4	971.9	972.4	975.0	974.2	975.2	974.2	975.0
33.5°	957.4	955.6	955.9	953.6	953.3	953.6	955.9	955.6	957.4	955.6	955.9
34°	938.4	936.3	936.3	933.7	935.0	933.7	936.3	936.3	938.4	936.3	936.3
34.5°	918.8	916.4	915.9	913.3	915.7	913.3	915.9	916.4	918.8	916.4	915.9
35°	898.4	895.8	894.8	893.0	895.5	893.0	894.8	895.8	898.4	895.8	894.8
35.5°	877.0	874.9	873.1	872.1	874.9	872.1	873.1	874.9	877.0	874.9	873.1
36°	854.8	853.2	850.7	850.1	853.5	850.1	850.7	853.2	854.8	853.2	850.7
36.5°	831.8	830.5	827.4	827.7	831.6	827.7	827.4	830.5	831.8	830.5	827.4
37°	807.8	807.1	803.5	804.7	808.4	804.7	803.5	807.1	807.8	807.1	803.5
37.5°	783.1	782.8	778.4	780.8	784.1	780.8	778.4	782.8	783.1	782.8	778.4
38°	757.8	757.5	752.6	756.0	759.4	756.0	752.6	757.5	757.8	757.5	752.6
38.5°	731.5	731.2	725.8	730.5	733.8	730.5	725.8	731.2	731.5	731.2	725.8
39°	704.7	703.9	698.7	704.7	707.8	704.7	698.7	703.9	704.7	703.9	698.7
39.5°	677.1	675.8	671.1	677.8	680.9	677.8	671.1	675.8	677.1	675.8	671.1
40°	647.9	646.9	643.0	650.0	653.3	650.0	643.0	646.9	647.9	646.9	643.0
40.5°	619.0	617.7	615.2	621.9	624.7	621.9	615.2	617.7	619.0	617.7	615.2
41°	589.4	588.6	588.1	593.8	596.3	593.8	588.1	588.6	589.4	588.6	588.1
41.5°	560.0	559.2	561.0	565.6	568.0	565.6	561.0	559.2	560.0	559.2	561.0
42°	530.1	530.3	534.2	537.3	540.1	537.3	534.2	530.3	530.1	530.3	534.2
42.5°	500.4	501.7	507.1	509.7	512.3	509.7	507.1	501.7	500.4	501.7	507.1
43°	470.7	473.3	480.0	482.3	484.1	482.3	480.0	473.3	470.7	473.3	480.0
43.5°	441.6	445.2	452.9	455.3	456.3	455.3	452.9	445.2	441.6	445.2	452.9



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CATALOG NUMBER: HCDJBL5125CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	357.5	362.7	373.0	376.1	375.3	376.1	373.0	362.7	357.5	362.7	373.0
45.5°	330.9	336.3	347.2	351.3	349.2	351.3	347.2	336.3	330.9	336.3	347.2
46°	304.9	311.3	322.7	326.8	323.7	326.8	322.7	311.3	304.9	311.3	322.7
46.5°	281.1	286.8	298.2	302.0	299.2	302.0	298.2	286.8	281.1	286.8	298.2
47°	257.4	262.8	273.9	278.3	275.2	278.3	273.9	262.8	257.4	262.8	273.9
47.5°	234.5	239.6	249.9	254.8	252.5	254.8	249.9	239.6	234.5	239.6	249.9
48°	211.8	217.2	227.2	232.7	231.1	232.7	227.2	217.2	211.8	217.2	227.2
48.5°	190.1	196.0	205.6	211.5	210.2	211.5	205.6	196.0	190.1	196.0	205.6
49°	170.2	175.9	184.7	191.1	191.4	191.1	184.7	175.9	170.2	175.9	184.7
49.5°	151.9	156.3	164.6	171.8	172.8	171.8	164.6	156.3	151.9	156.3	164.6
50°	134.4	138.3	145.2	153.0	154.5	153.0	145.2	138.3	134.4	138.3	145.2
50.5°	117.9	121.0	126.9	134.9	136.7	134.9	126.9	121.0	117.9	121.0	126.9
51°	102.7	105.5	111.2	118.1	119.9	118.1	111.2	105.5	102.7	105.5	111.2
51.5°	89.0	91.3	96.2	102.4	105.2	102.4	96.2	91.3	89.0	91.3	96.2
52°	76.1	78.2	82.3	87.7	90.8	87.7	82.3	78.2	76.1	78.2	82.3
52.5°	65.3	65.8	68.9	74.0	76.9	74.0	68.9	65.8	65.3	65.8	68.9
53°	55.2	54.9	57.5	62.4	64.5	62.4	57.5	54.9	55.2	54.9	57.5
53.5°	45.4	45.9	48.0	52.4	53.1	52.4	48.0	45.9	45.4	45.9	48.0
54°	36.9	37.7	38.9	42.8	42.8	42.8	38.9	37.7	36.9	37.7	38.9
54.5°	29.7	30.2	30.7	34.0	33.8	34.0	30.7	30.2	29.7	30.2	30.7
55°	23.2	23.0	23.5	26.3	27.3	26.3	23.5	23.0	23.2	23.0	23.5
55.5°	17.0	17.0	17.8	19.6	21.2	19.6	17.8	17.0	17.0	17.0	17.8
56°	11.3	12.1	13.4	15.0	16.2	15.0	13.4	12.1	11.3	12.1	13.4
56.5°	7.7	8.0	9.8	10.6	11.6	10.6	9.8	8.0	7.7	8.0	9.8
57°	6.2	5.7	6.4	7.0	7.0	7.0	6.4	5.7	6.2	5.7	6.4
57.5°	4.9	4.4	4.6	5.2	4.6	5.2	4.6	4.4	4.9	4.4	4.6
58°	3.9	3.6	3.9	4.1	3.4	4.1	3.9	3.6	3.9	3.6	3.9
58.5°	2.6	2.8	3.1	3.4	2.8	3.4	3.1	2.8	2.6	2.8	3.1
59°	2.3	2.3	2.3	2.6	2.3	2.6	2.3	2.3	2.3	2.3	2.3
59.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
61°	1.0	1.0	1.0	1.3	1.0	1.3	1.0	1.0	1.0	1.0	1.0
61.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62°	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
63.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
64°	0.5	0.5	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5





TEST NUMBER: P776094

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
73.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	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	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: P776094

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-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: P776094

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1342.0	1342.0	1342.0	1342.0	1342.0	1342.0
0.5°	1341.8	1342.3	1341.8	1341.8	1341.8	1342.0
1°	1341.5	1342.3	1341.5	1341.5	1341.8	1341.8
1.5°	1341.2	1342.0	1341.2	1341.2	1341.5	1341.5
2°	1341.0	1341.5	1341.0	1341.0	1341.0	1341.2
2.5°	1340.5	1341.2	1340.5	1340.5	1340.5	1340.7
3°	1340.0	1340.7	1340.0	1340.0	1340.0	1340.0
3.5°	1339.2	1340.0	1339.2	1339.4	1339.4	1339.4
4°	1338.7	1339.2	1338.7	1338.7	1338.7	1338.7
4.5°	1337.6	1338.4	1337.6	1337.6	1337.6	1337.6
5°	1336.9	1337.4	1336.9	1336.9	1336.9	1336.9
5.5°	1335.8	1336.6	1335.8	1335.8	1335.8	1335.8
6°	1334.5	1335.3	1334.5	1334.5	1334.5	1334.8
6.5°	1333.5	1334.3	1333.5	1333.5	1333.3	1333.5
7°	1332.2	1332.7	1332.2	1332.0	1332.0	1332.2
7.5°	1330.7	1331.4	1330.7	1330.7	1330.7	1330.7
8°	1329.1	1329.9	1329.1	1329.1	1329.1	1329.1
8.5°	1327.6	1328.4	1327.6	1327.3	1327.3	1327.6
9°	1325.8	1326.5	1325.8	1325.8	1325.8	1325.8
9.5°	1324.0	1324.7	1324.0	1323.7	1323.7	1324.0
10°	1321.9	1322.9	1321.9	1321.6	1321.9	1321.9
10.5°	1319.8	1320.9	1319.8	1319.6	1319.6	1320.1
11°	1317.8	1318.8	1317.8	1317.3	1317.5	1317.8
11.5°	1315.5	1316.5	1315.5	1314.9	1314.9	1315.5
12°	1312.9	1314.2	1312.9	1312.4	1312.6	1312.9
12.5°	1310.3	1311.6	1310.3	1309.5	1309.8	1310.3
13°	1307.5	1309.0	1307.5	1306.7	1307.2	1307.7
13.5°	1304.6	1306.2	1304.6	1303.8	1304.1	1304.6
14°	1301.5	1303.1	1301.5	1300.5	1301.0	1301.8
14.5°	1298.2	1300.0	1298.2	1297.4	1297.9	1298.4
15°	1294.8	1296.6	1294.8	1293.8	1294.3	1295.1
15.5°	1291.2	1293.0	1291.2	1290.2	1290.7	1291.5
16°	1287.6	1289.4	1287.6	1286.3	1287.1	1287.9
16.5°	1283.7	1285.5	1283.7	1282.4	1283.0	1284.0
17°	1279.6	1281.4	1279.6	1278.3	1278.8	1279.9
17.5°	1275.2	1277.3	1275.2	1273.9	1274.7	1275.5
18°	1270.8	1272.6	1270.8	1269.3	1270.1	1271.1
18.5°	1266.2	1268.0	1266.2	1264.6	1265.4	1266.2
19°	1261.3	1263.1	1261.3	1259.7	1260.5	1261.5
19.5°	1256.1	1258.2	1256.1	1254.6	1255.6	1256.4
20°	1251.0	1252.8	1251.0	1249.4	1250.2	1251.2
20.5°	1245.6	1247.4	1245.6	1244.0	1244.8	1245.6
21°	1239.9	1241.4	1239.9	1238.3	1239.1	1239.9

TEST NUMBER: P776094

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1221.3	1222.9	1221.3	1220.0	1220.3	1221.1
23°	1214.9	1215.9	1214.9	1213.3	1213.6	1214.1
23.5°	1207.9	1208.9	1207.9	1206.6	1206.6	1206.9
24°	1200.4	1201.7	1200.4	1199.6	1199.4	1199.6
24.5°	1192.9	1194.0	1192.9	1192.2	1191.9	1191.9
25°	1184.9	1186.0	1184.9	1184.4	1183.9	1183.7
25.5°	1176.2	1177.2	1176.2	1176.2	1175.4	1175.1
26°	1167.1	1168.2	1167.1	1167.1	1166.4	1165.9
26.5°	1157.6	1158.1	1157.6	1158.1	1157.1	1156.3
27°	1147.3	1147.8	1147.3	1148.1	1147.0	1146.0
27.5°	1136.5	1136.5	1136.5	1137.5	1136.5	1135.2
28°	1124.8	1124.1	1124.8	1126.4	1125.1	1123.6
28.5°	1112.7	1111.4	1112.7	1114.5	1113.2	1111.4
29°	1100.1	1098.3	1100.1	1101.9	1100.6	1098.8
29.5°	1086.7	1084.3	1086.7	1088.7	1087.4	1085.4
30°	1072.2	1069.9	1072.2	1074.5	1073.0	1071.5
30.5°	1057.3	1054.7	1057.3	1059.8	1058.6	1057.0
31°	1042.0	1039.2	1042.0	1044.4	1043.1	1041.8
31.5°	1025.5	1023.0	1025.5	1028.1	1026.8	1026.1
32°	1008.5	1006.5	1008.5	1011.1	1009.8	1009.8
32.5°	990.7	989.2	990.7	993.3	992.5	992.8
33°	972.4	971.9	972.4	975.0	974.2	975.2
33.5°	953.6	953.3	953.6	955.9	955.6	957.4
34°	933.7	935.0	933.7	936.3	936.3	938.4
34.5°	913.3	915.7	913.3	915.9	916.4	918.8
35°	893.0	895.5	893.0	894.8	895.8	898.4
35.5°	872.1	874.9	872.1	873.1	874.9	877.0
36°	850.1	853.5	850.1	850.7	853.2	854.8
36.5°	827.7	831.6	827.7	827.4	830.5	831.8
37°	804.7	808.4	804.7	803.5	807.1	807.8
37.5°	780.8	784.1	780.8	778.4	782.8	783.1
38°	756.0	759.4	756.0	752.6	757.5	757.8
38.5°	730.5	733.8	730.5	725.8	731.2	731.5
39°	704.7	707.8	704.7	698.7	703.9	704.7
39.5°	677.8	680.9	677.8	671.1	675.8	677.1
40°	650.0	653.3	650.0	643.0	646.9	647.9
40.5°	621.9	624.7	621.9	615.2	617.7	619.0
41°	593.8	596.3	593.8	588.1	588.6	589.4
41.5°	565.6	568.0	565.6	561.0	559.2	560.0
42°	537.3	540.1	537.3	534.2	530.3	530.1
42.5°	509.7	512.3	509.7	507.1	501.7	500.4
43°	482.3	484.1	482.3	480.0	473.3	470.7
43.5°	455.3	456.3	455.3	452.9	445.2	441.6



TEST NUMBER: P776094

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	376.1	375.3	376.1	373.0	362.7	357.5
45.5°	351.3	349.2	351.3	347.2	336.3	330.9
46°	326.8	323.7	326.8	322.7	311.3	304.9
46.5°	302.0	299.2	302.0	298.2	286.8	281.1
47°	278.3	275.2	278.3	273.9	262.8	257.4
47.5°	254.8	252.5	254.8	249.9	239.6	234.5
48°	232.7	231.1	232.7	227.2	217.2	211.8
48.5°	211.5	210.2	211.5	205.6	196.0	190.1
49°	191.1	191.4	191.1	184.7	175.9	170.2
49.5°	171.8	172.8	171.8	164.6	156.3	151.9
50°	153.0	154.5	153.0	145.2	138.3	134.4
50.5°	134.9	136.7	134.9	126.9	121.0	117.9
51°	118.1	119.9	118.1	111.2	105.5	102.7
51.5°	102.4	105.2	102.4	96.2	91.3	89.0
52°	87.7	90.8	87.7	82.3	78.2	76.1
52.5°	74.0	76.9	74.0	68.9	65.8	65.3
53°	62.4	64.5	62.4	57.5	54.9	55.2
53.5°	52.4	53.1	52.4	48.0	45.9	45.4
54°	42.8	42.8	42.8	38.9	37.7	36.9
54.5°	34.0	33.8	34.0	30.7	30.2	29.7
55°	26.3	27.3	26.3	23.5	23.0	23.2
55.5°	19.6	21.2	19.6	17.8	17.0	17.0
56°	15.0	16.2	15.0	13.4	12.1	11.3
56.5°	10.6	11.6	10.6	9.8	8.0	7.7
57°	7.0	7.0	7.0	6.4	5.7	6.2
57.5°	5.2	4.6	5.2	4.6	4.4	4.9
58°	4.1	3.4	4.1	3.9	3.6	3.9
58.5°	3.4	2.8	3.4	3.1	2.8	2.6
59°	2.6	2.3	2.6	2.3	2.3	2.3
59.5°	1.8	1.8	1.8	1.8	1.8	1.8
60°	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.3	1.3	1.3	1.3	1.3	1.3
61°	1.3	1.0	1.3	1.0	1.0	1.0
61.5°	1.0	1.0	1.0	1.0	1.0	1.0
62°	1.0	1.0	1.0	1.0	1.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8
63°	0.8	0.8	0.8	0.8	0.8	0.8
63.5°	0.8	0.8	0.8	0.8	0.8	0.8
64°	0.5	0.8	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P776094

CATALOG NUMBER: HCDJBL1525CSD-HCD6TRMB-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.3	0.3	0.3	0.3	0.3	0.3
68°	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.0
73.5°	0.3	0.3	0.3	0.3	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	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: P776094

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-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



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

Scaled Data Report





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

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Peachtree City, GA 30269

Scaled Data Report



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Peachtree City, GA 30269

Scaled Data Report





21.5°	1233.9	1232.9	1232.4	1233.9	1235.5	1233.9	1232.4	1232.9	1233.9	1232.9	1232.4
22°	1227.5	1227.0	1226.2	1227.8	1229.0	1227.8	1226.2	1227.0	1227.5	1227.0	1226.2



44°	412.7	417.3	425.8	428.4	428.9	428.4	425.8	417.3	412.7	417.3	425.8
44.5°	384.8	389.7	399.3	402.1	401.9	402.1	399.3	389.7	384.8	389.7	399.3



66.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.5



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°	1233.9	1235.5	1233.9	1232.4	1232.9	1233.9
22°	1227.8	1229.0	1227.8	1226.2	1227.0	1227.5



44°	428.4	428.9	428.4	425.8	417.3	412.7
44.5°	402.1	401.9	402.1	399.3	389.7	384.8

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66.5°	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.5	0.5	0.5	0.5	0.3	0.3

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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)