

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: P776069

Luminaire Tested: HCDJBL1525CSD-HCD62TRMB-2500lm-5000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B058)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD62TRMB-2500lm-5000K
Description: 6 INCH ROUND NARROW MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

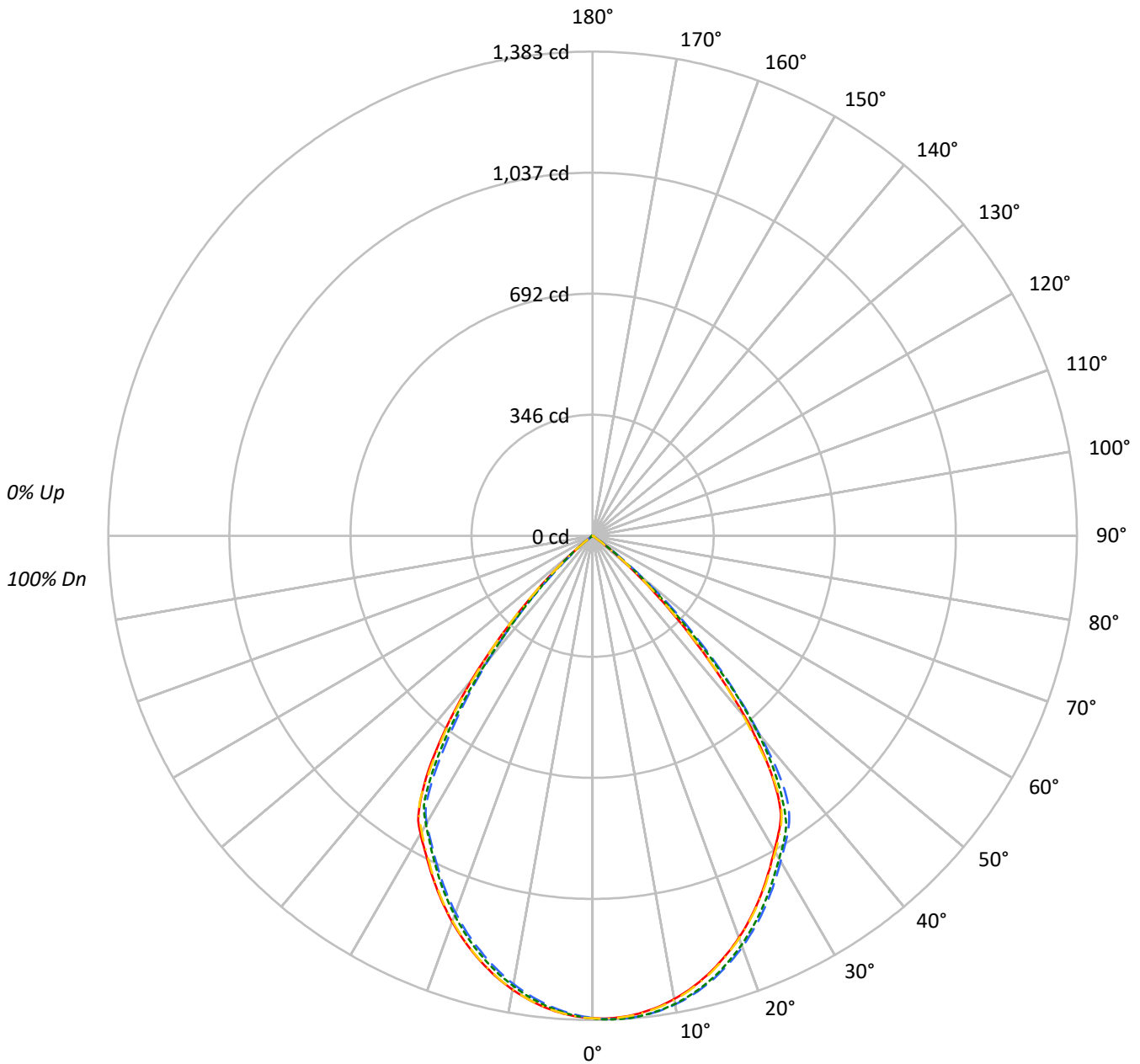
Lumens per Lamp: N/A
Luminaire Lumens: 1800.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





TEST NUMBER: P776069

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMB-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	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	105	111	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85	85	85	85
3	101	94	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77	77	77	77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	75	72	71	71	71	71
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65	65	65	65
6	84	74	67	63	82	73	67	62	72	66	62	70	65	62	69	64	61	60	60	60	60
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55	55	55	55
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	56	52	51	51	51	51
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47	47	47	47
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	44	44	44	44

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	75564	75564	75564	75564
5°	75556	75952	74785	74516
10°	74787	75566	73279	72705
15°	73332	74405	71118	70256
20°	71255	72550	68454	67293
25°	68629	70117	65272	63723
30°	65744	67428	62225	60269
35°	62212	63938	54609	51564
40°	48677	52391	38214	33871
45°	28631	33050	19297	16940
50°	11275	13629	5637	5663
55°	1653	2150	468	564
60°	373	395	340	285
65°	272	272	233	195
70°	208	208	160	160
75°	169	169	106	106
80°	95	95	95	95
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 36554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	7.2
10°-20°	358.0	19.9
20°-30°	509.0	28.3
30°-40°	525.6	29.2
40°-50°	251.2	14.0
50°-60°	24.3	1.3
60°-70°	2.0	0.1
70°-80°	0.7	0.0
80°-90°	0.1	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°	996.2	55.3
0°-40°	1521.8	84.5
0°-60°	1797.2	99.8
0°-90°	1800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1378	1378	1378	1378	1378	
5°	1373	1380	1359	1354	1373	130
15°	1292	1311	1253	1238	1292	363
25°	1135	1159	1079	1054	1135	522
35°	930	955	816	770	930	563
45°	369	426	249	218	369	289
55°	17	22	5	6	17	31
65°	2	2	2	2	2	2
75°	1	1	0	0	1	1
85°	0	0	0	0	0	0
90°	0	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°	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4
0.5°	1378.6	1378.6	1378.9	1378.4	1380.4	1379.9	1379.2	1378.9	1377.3	1376.6	1375.5
1°	1379.2	1379.4	1379.9	1379.7	1381.5	1380.4	1379.7	1378.6	1376.3	1375.0	1374.0
1.5°	1379.2	1379.9	1380.7	1380.7	1382.0	1381.0	1379.9	1378.1	1374.8	1373.2	1371.7
2°	1379.2	1380.4	1381.5	1381.7	1382.8	1381.5	1379.7	1377.1	1373.5	1371.2	1369.3
2.5°	1378.6	1380.4	1382.0	1382.3	1382.8	1381.5	1379.4	1375.8	1371.7	1369.1	1366.8
3°	1377.9	1380.4	1382.0	1382.5	1382.8	1381.2	1378.6	1374.8	1369.6	1366.5	1363.9
3.5°	1377.1	1379.9	1382.0	1382.8	1382.5	1380.7	1377.9	1373.2	1367.5	1363.9	1360.8
4°	1376.1	1379.2	1381.5	1382.5	1382.0	1380.2	1376.8	1371.2	1365.0	1360.8	1357.5
4.5°	1374.8	1378.1	1381.0	1382.3	1381.5	1379.2	1375.5	1369.1	1362.4	1357.5	1354.1
5°	1373.0	1376.8	1380.2	1381.5	1380.2	1377.9	1374.0	1366.8	1359.0	1354.1	1350.5
5.5°	1371.2	1375.8	1379.4	1380.7	1378.9	1376.6	1372.2	1364.4	1355.7	1350.2	1346.4
6°	1369.1	1374.2	1378.1	1379.4	1377.6	1375.0	1370.1	1362.1	1352.3	1346.6	1342.0
6.5°	1366.5	1372.4	1376.6	1378.4	1375.8	1373.0	1368.1	1359.0	1348.7	1342.5	1337.3
7°	1363.9	1370.1	1374.8	1376.8	1374.0	1370.9	1365.5	1355.9	1344.8	1337.8	1332.7
7.5°	1361.1	1367.8	1372.7	1375.0	1371.7	1368.6	1362.9	1352.6	1340.7	1333.2	1327.8
8°	1358.2	1365.2	1370.6	1373.2	1369.6	1366.0	1359.8	1348.9	1336.0	1328.5	1322.9
8.5°	1354.9	1362.4	1368.1	1370.6	1366.8	1363.1	1356.7	1345.1	1331.4	1323.4	1317.4
9°	1351.3	1359.5	1365.5	1368.3	1363.9	1360.3	1353.1	1340.7	1327.0	1318.2	1312.0
9.5°	1347.7	1356.2	1362.6	1365.5	1360.8	1356.7	1349.5	1336.5	1321.8	1312.8	1306.1
10°	1343.5	1352.6	1359.3	1362.4	1357.5	1353.3	1345.6	1331.6	1316.4	1307.1	1300.4
10.5°	1339.4	1348.7	1355.9	1359.3	1353.8	1349.7	1341.5	1327.0	1311.0	1300.9	1294.2
11°	1335.0	1344.8	1352.6	1355.7	1350.0	1345.6	1337.1	1322.1	1305.3	1295.0	1287.7
11.5°	1330.6	1340.7	1348.4	1352.0	1345.8	1341.2	1332.7	1316.9	1299.6	1288.8	1281.0
12°	1325.7	1336.0	1344.6	1348.2	1341.5	1337.1	1327.8	1311.5	1293.4	1282.6	1274.6
12.5°	1320.3	1331.4	1340.2	1344.0	1337.1	1332.4	1322.6	1305.8	1287.2	1275.9	1267.3
13°	1315.1	1326.5	1335.5	1339.6	1332.2	1327.8	1317.4	1300.1	1280.8	1268.9	1260.6
13.5°	1309.7	1321.6	1330.6	1335.3	1327.3	1322.3	1312.3	1293.7	1273.8	1262.2	1253.4
14°	1304.0	1316.4	1325.7	1330.1	1322.1	1317.2	1306.3	1287.7	1267.1	1255.0	1245.9
14.5°	1298.1	1311.0	1320.3	1325.2	1316.4	1311.2	1300.4	1281.3	1260.1	1247.7	1238.2
15°	1292.1	1305.3	1315.1	1319.8	1311.0	1305.3	1294.5	1274.3	1253.1	1240.2	1230.4
15.5°	1285.9	1299.1	1309.7	1314.1	1305.3	1299.1	1288.0	1267.6	1245.9	1232.5	1222.9
16°	1279.2	1292.9	1303.5	1308.4	1299.1	1292.9	1281.5	1260.6	1238.2	1224.7	1214.9
16.5°	1272.5	1286.7	1297.3	1302.5	1292.9	1286.7	1275.1	1253.4	1230.7	1216.5	1206.9
17°	1265.8	1280.3	1290.8	1296.5	1286.2	1280.3	1268.1	1246.2	1222.9	1208.7	1198.4
17.5°	1258.8	1273.5	1284.6	1290.1	1279.5	1273.3	1261.1	1238.9	1214.9	1200.7	1189.9
18°	1251.9	1266.6	1277.9	1283.4	1272.5	1266.3	1253.9	1231.2	1206.9	1192.2	1181.1
18.5°	1244.6	1259.3	1271.0	1276.6	1265.5	1258.8	1246.2	1223.4	1198.7	1183.7	1172.6
19°	1236.6	1252.4	1264.2	1269.9	1258.3	1251.9	1238.9	1215.4	1190.4	1174.9	1163.8
19.5°	1229.1	1245.1	1257.0	1262.7	1251.1	1244.1	1231.5	1207.4	1181.9	1166.4	1154.5
20°	1221.4	1237.7	1249.8	1255.5	1243.6	1236.6	1223.7	1198.9	1173.4	1157.3	1145.2
20.5°	1213.4	1229.9	1242.3	1248.0	1235.8	1228.6	1215.7	1190.9	1164.3	1148.0	1135.9
21°	1205.6	1222.2	1234.6	1240.5	1227.6	1220.9	1207.4	1182.1	1155.3	1139.0	1126.4

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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°	1180.1	1197.6	1210.5	1216.2	1203.0	1196.1	1182.1	1155.8	1127.6	1110.3	1097.4
23°	1171.3	1188.6	1202.3	1208.2	1194.5	1187.6	1173.4	1146.8	1117.8	1100.5	1087.1
23.5°	1162.3	1180.1	1193.8	1199.4	1185.7	1178.8	1164.6	1137.5	1108.3	1090.7	1077.0
24°	1153.0	1171.0	1185.2	1191.4	1177.0	1170.0	1155.5	1128.2	1098.5	1080.9	1066.7
24.5°	1143.9	1162.5	1176.5	1182.6	1167.9	1161.0	1146.5	1118.9	1088.9	1070.6	1056.6
25°	1134.6	1153.2	1167.7	1173.6	1159.2	1151.9	1137.2	1109.3	1079.1	1060.8	1046.1
25.5°	1125.1	1143.9	1158.4	1164.6	1149.9	1142.6	1127.9	1099.8	1069.0	1050.4	1035.7
26°	1115.8	1135.1	1149.3	1155.5	1140.8	1133.3	1118.6	1089.9	1059.2	1040.4	1025.4
26.5°	1106.0	1125.8	1140.0	1146.5	1131.5	1123.8	1109.1	1080.4	1049.4	1030.0	1015.6
27°	1096.4	1116.5	1130.7	1137.2	1122.2	1114.5	1099.5	1070.6	1039.1	1020.2	1005.3
27.5°	1086.6	1106.7	1121.5	1127.6	1112.7	1104.9	1089.9	1060.5	1029.5	1010.4	995.4
28°	1077.0	1097.2	1111.9	1118.4	1102.9	1095.6	1080.1	1051.0	1020.0	1001.1	985.6
28.5°	1067.0	1087.6	1102.6	1108.5	1093.0	1085.8	1070.6	1041.7	1010.9	991.6	976.6
29°	1057.2	1078.1	1093.0	1099.2	1083.8	1076.3	1061.3	1032.1	1001.6	982.0	966.8
29.5°	1047.9	1068.5	1083.5	1089.9	1074.5	1067.0	1052.2	1023.1	992.1	972.5	957.2
30°	1038.6	1059.2	1074.2	1080.4	1065.2	1057.9	1043.0	1013.8	983.0	963.2	947.7
30.5°	1029.3	1049.9	1064.9	1071.1	1056.1	1048.6	1034.2	1005.0	973.7	953.3	937.1
31°	1020.2	1041.1	1056.1	1062.1	1047.6	1039.9	1025.1	996.0	963.9	943.0	926.2
31.5°	1010.9	1032.1	1047.1	1053.3	1038.6	1031.1	1016.4	986.7	953.6	930.4	912.3
32°	1001.9	1023.1	1038.0	1044.2	1029.8	1022.3	1007.3	976.8	938.6	913.3	893.4
32.5°	992.9	1014.0	1029.5	1035.7	1020.7	1013.5	998.0	966.3	921.8	893.4	871.8
33°	983.3	1005.0	1020.5	1026.4	1011.4	1003.4	988.0	953.6	903.0	870.7	847.0
33.5°	973.0	995.7	1011.4	1017.9	1000.9	993.4	977.1	938.1	882.9	846.4	821.4
34°	961.9	985.4	1001.4	1008.1	988.5	981.5	965.0	920.8	862.2	820.6	794.0
34.5°	946.9	974.3	991.1	997.5	972.7	967.6	951.5	901.2	839.7	795.3	766.9
35°	929.6	961.1	978.9	984.3	955.4	951.0	936.0	880.8	816.0	769.8	739.0
35.5°	910.7	946.4	965.7	968.8	936.8	933.0	918.5	858.8	791.2	743.9	712.4
36°	889.8	928.6	949.7	951.3	918.2	913.3	898.1	835.6	764.1	718.9	684.0
36.5°	868.9	909.5	932.4	932.4	898.3	891.9	874.1	810.6	736.4	693.8	656.9
37°	845.9	887.2	912.3	912.6	878.2	869.4	846.7	784.7	707.8	666.7	629.5
37.5°	821.7	863.5	889.8	892.4	856.5	845.2	817.3	756.6	680.2	639.9	602.4
38°	795.6	836.6	863.5	871.0	834.6	820.1	785.5	727.1	651.2	611.2	574.3
38.5°	768.2	808.5	836.4	848.3	810.0	793.8	755.0	695.9	622.3	582.8	545.9
39°	739.5	777.8	806.7	824.5	785.2	765.6	724.6	665.4	592.9	553.1	518.0
39.5°	710.4	747.5	775.4	798.9	758.9	737.0	695.9	632.9	564.2	524.2	490.4
40°	680.2	716.0	744.7	772.9	732.1	706.2	667.0	600.6	534.0	495.0	462.2
40.5°	649.4	683.5	714.2	745.7	703.9	675.8	639.4	568.6	504.6	467.6	435.1
41°	616.9	651.0	684.3	716.8	676.3	645.8	610.7	537.1	474.6	439.2	408.2
41.5°	584.6	620.8	655.1	687.4	646.6	616.1	581.8	505.6	444.4	412.4	381.9
42°	551.6	590.3	625.4	656.4	616.6	586.9	551.8	475.4	413.7	385.0	355.6
42.5°	519.8	559.8	596.7	626.2	584.9	558.0	521.1	445.9	383.7	357.9	329.2
43°	488.0	529.4	567.1	594.9	553.4	528.8	491.1	417.0	354.3	330.3	303.7
43.5°	457.8	499.4	537.9	564.5	520.8	499.9	462.0	388.4	326.1	303.9	278.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	369.3	410.1	448.5	471.5	426.3	412.1	377.5	309.3	248.9	229.6	209.4
45.5°	342.1	381.4	420.6	441.8	395.1	383.5	350.1	284.6	225.7	205.8	186.2
46°	314.5	353.8	392.2	411.9	365.4	355.3	323.3	261.8	202.4	181.8	162.9
46.5°	287.7	327.4	365.1	382.9	335.7	327.9	297.2	239.1	179.2	158.0	143.1
47°	261.8	302.1	338.0	354.3	307.3	300.6	270.6	216.4	159.6	138.1	123.9
47.5°	237.0	277.3	311.7	325.9	279.7	274.0	247.4	193.7	140.7	119.0	106.6
48°	213.5	253.3	285.9	298.0	255.6	248.9	224.1	170.9	123.2	101.0	90.9
48.5°	191.1	230.3	259.8	271.1	231.6	223.9	200.9	150.5	107.2	85.5	76.7
49°	169.9	207.9	235.0	244.5	207.6	198.8	177.9	131.7	92.2	71.5	64.0
49.5°	150.3	186.4	211.0	220.0	183.6	173.8	158.0	114.6	78.8	59.1	53.2
50°	132.2	165.8	187.7	196.0	159.8	151.1	137.6	98.1	66.1	48.8	43.6
50.5°	115.4	145.6	166.0	173.0	138.9	130.1	118.8	83.1	55.0	40.3	35.9
51°	99.4	126.5	144.3	151.8	119.8	110.3	101.0	70.0	44.9	34.6	30.7
51.5°	85.7	108.2	124.5	131.2	102.3	93.0	85.0	57.8	38.7	28.7	25.6
52°	74.1	91.7	106.4	112.6	85.5	76.9	68.9	47.0	32.5	23.0	20.4
52.5°	62.5	79.5	88.8	94.8	70.2	62.5	55.3	40.3	26.3	17.3	15.2
53°	50.9	67.1	76.4	81.9	56.3	50.1	43.4	33.6	20.1	11.6	10.1
53.5°	39.2	54.7	64.0	68.9	44.2	39.8	36.4	27.1	13.9	8.5	7.2
54°	31.0	42.3	51.6	56.3	36.9	33.1	29.4	20.7	7.7	6.2	5.4
54.5°	23.5	30.2	39.2	43.4	29.7	26.6	22.7	13.9	5.7	4.9	4.6
55°	17.3	21.9	26.9	30.7	22.5	20.1	15.8	7.5	4.9	4.4	4.4
55.5°	11.9	15.8	19.4	22.5	15.0	13.7	8.8	5.4	4.4	4.4	4.1
56°	8.0	10.6	13.2	15.8	7.7	7.2	6.2	4.6	4.4	4.1	3.9
56.5°	7.0	9.3	8.8	10.3	5.7	5.4	4.9	4.4	4.1	3.9	3.9
57°	5.9	8.0	7.7	8.8	4.9	4.6	4.6	4.4	3.9	3.9	3.6
57.5°	4.9	6.7	6.5	7.2	4.6	4.4	4.4	4.1	3.9	3.6	3.4
58°	4.1	5.4	5.4	5.9	4.4	4.4	4.1	3.9	3.6	3.4	3.4
58.5°	3.9	4.1	4.4	4.4	4.1	4.1	4.1	3.9	3.4	3.4	3.1
59°	3.6	3.9	4.1	4.1	3.9	3.9	3.9	3.6	3.4	3.1	3.1
59.5°	3.6	3.9	3.9	4.1	3.9	3.9	3.6	3.4	3.1	3.1	2.8
60°	3.4	3.6	3.9	3.9	3.6	3.6	3.6	3.4	3.1	2.8	2.8
60.5°	3.1	3.4	3.6	3.6	3.4	3.4	3.4	3.1	2.8	2.8	2.6
61°	3.1	3.4	3.4	3.6	3.4	3.4	3.1	2.8	2.6	2.6	2.6
61.5°	2.8	3.1	3.4	3.4	3.1	3.1	3.1	2.8	2.6	2.6	2.3
62°	2.8	2.8	3.1	3.1	2.8	2.8	2.8	2.6	2.3	2.3	2.3
62.5°	2.6	2.8	2.8	3.1	2.8	2.8	2.8	2.6	2.3	2.3	2.1
63°	2.6	2.6	2.8	2.8	2.6	2.6	2.6	2.3	2.3	2.1	2.1
63.5°	2.3	2.6	2.6	2.8	2.6	2.6	2.6	2.3	2.1	2.1	2.1
64°	2.3	2.3	2.6	2.6	2.3	2.3	2.3	2.1	2.1	2.1	1.8
64.5°	2.1	2.3	2.3	2.6	2.3	2.3	2.3	2.1	1.8	1.8	1.8
65°	2.1	2.1	2.3	2.3	2.1	2.1	2.1	2.1	1.8	1.8	1.8
65.5°	1.8	2.1	2.1	2.3	2.1	2.1	2.1	1.8	1.8	1.8	1.5
66°	1.8	2.1	2.1	2.1	2.1	2.1	1.8	1.8	1.5	1.5	1.5



TEST NUMBER: P776069

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.5	1.5	1.8	1.8	1.8	1.8	1.5	1.5	1.3	1.3	1.3
68°	1.5	1.5	1.8	1.8	1.5	1.5	1.5	1.5	1.3	1.3	1.3
68.5°	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3
69°	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.0
69.5°	1.3	1.3	1.5	1.5	1.3	1.3	1.3	1.3	1.0	1.0	1.0
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.0
70.5°	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.0	1.0
71°	1.0	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0
71.5°	1.0	1.0	1.3	1.3	1.0	1.0	1.0	1.0	0.8	0.8	0.8
72°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8
72.5°	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8
73°	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8
73.5°	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
74°	0.8	0.8	0.8	1.0	0.8	0.8	0.8	0.8	0.8	0.5	0.5
74.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5
75.5°	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5
76°	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5
76.5°	0.5	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.5
78°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3
78.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3
79°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
79.5°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80.5°	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
81°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
81.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
83°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
83.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
84°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.3	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: P776069
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-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: P776069

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1378.4	1378.4	1378.4	1378.4	1378.4	1378.4
0.5°	1375.0	1377.9	1377.6	1377.6	1378.6	1378.6
1°	1373.0	1376.1	1376.1	1376.6	1378.1	1379.2
1.5°	1370.6	1374.2	1374.2	1375.3	1377.3	1379.2
2°	1368.1	1372.2	1372.4	1373.7	1376.6	1379.2
2.5°	1365.2	1369.6	1370.1	1371.7	1375.5	1378.6
3°	1362.4	1367.0	1367.8	1369.6	1374.0	1377.9
3.5°	1359.0	1364.2	1365.0	1367.3	1372.2	1377.1
4°	1355.4	1361.1	1362.1	1364.7	1370.4	1376.1
4.5°	1351.8	1357.7	1359.0	1361.9	1368.3	1374.8
5°	1348.2	1354.1	1355.7	1358.8	1366.0	1373.0
5.5°	1343.8	1350.5	1352.0	1355.7	1363.1	1371.2
6°	1339.4	1346.4	1347.9	1352.0	1360.3	1369.1
6.5°	1334.7	1342.2	1344.0	1348.2	1357.5	1366.5
7°	1330.1	1337.8	1339.9	1344.3	1354.1	1363.9
7.5°	1324.9	1333.2	1335.3	1340.2	1350.5	1361.1
8°	1319.5	1328.3	1330.6	1335.5	1346.6	1358.2
8.5°	1314.1	1322.9	1325.4	1331.1	1342.7	1354.9
9°	1308.1	1317.4	1320.3	1326.2	1338.6	1351.3
9.5°	1302.2	1312.0	1314.9	1320.8	1334.2	1347.7
10°	1296.5	1306.1	1309.2	1315.6	1329.3	1343.5
10.5°	1290.1	1300.4	1303.5	1310.0	1324.4	1339.4
11°	1283.6	1293.9	1297.3	1304.5	1319.0	1335.0
11.5°	1276.9	1287.7	1291.1	1298.6	1314.1	1330.6
12°	1269.9	1281.3	1284.6	1292.4	1308.7	1325.7
12.5°	1263.0	1274.3	1278.2	1285.9	1302.7	1320.3
13°	1255.7	1267.6	1271.5	1279.5	1296.5	1315.1
13.5°	1248.2	1260.4	1264.5	1272.8	1290.8	1309.7
14°	1240.7	1253.1	1257.5	1266.1	1284.4	1304.0
14.5°	1233.3	1245.7	1250.3	1259.1	1278.2	1298.1
15°	1225.3	1237.9	1242.6	1251.9	1271.2	1292.1
15.5°	1217.3	1230.4	1235.1	1244.4	1264.5	1285.9
16°	1209.2	1222.4	1227.1	1236.9	1257.5	1279.2
16.5°	1200.7	1214.2	1219.1	1229.4	1250.3	1272.5
17°	1192.5	1206.1	1211.1	1221.6	1242.8	1265.8
17.5°	1183.7	1197.6	1202.8	1213.4	1235.3	1258.8
18°	1174.9	1189.1	1194.5	1205.4	1227.8	1251.9
18.5°	1166.4	1180.3	1185.7	1196.9	1219.8	1244.6
19°	1157.1	1171.5	1177.0	1188.3	1211.8	1236.6
19.5°	1147.8	1162.5	1168.2	1179.8	1203.8	1229.1
20°	1138.2	1153.5	1158.9	1171.0	1195.3	1221.4
20.5°	1128.9	1143.9	1149.9	1162.3	1187.0	1213.4
21°	1119.4	1134.4	1140.3	1153.0	1178.3	1205.6

TEST NUMBER: P776069

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1089.4	1105.2	1111.4	1124.8	1151.9	1180.1
23°	1079.1	1095.1	1101.6	1115.3	1142.4	1171.3
23.5°	1069.0	1084.8	1091.5	1105.4	1133.1	1162.3
24°	1058.4	1074.5	1081.4	1095.6	1123.5	1153.0
24.5°	1048.4	1064.1	1071.4	1085.6	1114.2	1143.9
25°	1037.8	1053.5	1060.8	1075.2	1104.4	1134.6
25.5°	1027.2	1043.2	1050.7	1065.2	1094.6	1125.1
26°	1016.9	1032.6	1040.1	1055.1	1084.8	1115.8
26.5°	1006.5	1022.3	1029.8	1044.8	1074.7	1106.0
27°	996.2	1011.7	1019.5	1034.4	1064.9	1096.4
27.5°	986.4	1001.4	1009.1	1024.6	1054.8	1086.6
28°	976.6	991.1	998.8	1014.5	1045.0	1077.0
28.5°	966.8	981.2	989.0	1004.7	1034.9	1067.0
29°	957.2	971.7	979.4	995.2	1025.4	1057.2
29.5°	947.4	961.9	969.6	985.9	1016.1	1047.9
30°	937.6	952.1	960.1	976.6	1006.5	1038.6
30.5°	927.0	942.0	950.3	966.8	997.5	1029.3
31°	915.9	932.2	940.4	957.0	988.5	1020.2
31.5°	899.6	921.6	929.9	947.2	979.2	1010.9
32°	880.5	909.2	917.7	936.3	969.4	1001.9
32.5°	859.1	891.1	900.7	922.9	959.3	992.9
33°	834.3	869.2	881.0	905.8	948.2	983.3
33.5°	808.5	845.2	859.4	883.9	932.4	973.0
34°	781.9	821.4	835.1	857.6	914.4	961.9
34.5°	755.3	796.4	808.7	831.0	893.7	946.9
35°	727.9	770.5	779.8	803.8	870.7	929.6
35.5°	699.0	744.4	750.6	777.2	847.5	910.7
36°	669.6	715.8	722.0	751.2	822.9	889.8
36.5°	639.4	686.9	692.5	725.1	796.6	868.9
37°	609.7	656.4	663.9	699.0	769.8	845.9
37.5°	579.7	626.4	635.7	671.6	741.9	821.7
38°	551.0	595.2	606.8	642.2	714.2	795.6
38.5°	522.4	565.2	578.7	612.8	685.8	768.2
39°	494.0	535.0	550.3	582.8	659.0	739.5
39.5°	465.8	504.6	521.3	552.8	631.1	710.4
40°	437.4	473.3	492.4	522.9	603.2	680.2
40.5°	409.0	443.6	463.8	495.3	573.2	649.4
41°	381.1	415.0	435.4	467.4	544.1	616.9
41.5°	354.3	387.1	407.7	440.5	513.1	584.6
42°	326.9	360.5	380.9	414.2	482.4	551.6
42.5°	301.9	333.6	354.3	387.3	451.9	519.8
43°	277.8	309.1	328.5	359.7	421.9	488.0
43.5°	256.7	284.6	303.2	332.6	392.2	457.8



TEST NUMBER: P776069

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	193.7	218.5	230.3	255.4	306.8	369.3
45.5°	172.7	198.6	208.4	231.6	279.7	342.1
46°	153.1	179.5	187.7	208.6	253.6	314.5
46.5°	136.3	161.4	167.6	185.7	228.3	287.7
47°	120.6	144.9	149.0	164.0	203.7	261.8
47.5°	106.1	128.9	131.2	143.1	181.3	237.0
48°	92.2	113.9	114.9	122.7	160.1	213.5
48.5°	79.3	99.9	99.7	104.3	140.7	191.1
49°	67.7	87.8	87.0	87.3	122.7	169.9
49.5°	57.1	76.9	75.9	75.7	106.1	150.3
50°	47.5	66.4	64.6	64.3	90.6	132.2
50.5°	39.0	55.5	53.5	52.7	79.5	115.4
51°	33.1	44.9	42.1	41.3	68.4	99.4
51.5°	27.1	36.7	34.1	33.8	57.3	85.7
52°	21.4	29.4	27.4	27.4	46.0	74.1
52.5°	15.5	22.7	21.2	21.9	35.1	62.5
53°	9.6	16.8	16.0	17.0	27.9	50.9
53.5°	6.5	11.9	11.6	12.7	21.7	39.2
54°	4.9	8.0	8.0	9.0	16.3	31.0
54.5°	4.4	7.0	7.0	7.7	11.9	23.5
55°	4.1	5.9	5.9	6.5	8.3	17.3
55.5°	3.9	4.9	4.9	5.2	7.2	11.9
56°	3.9	3.9	3.9	4.1	6.2	8.0
56.5°	3.6	3.9	3.6	3.9	4.9	7.0
57°	3.4	3.6	3.6	3.6	3.9	5.9
57.5°	3.4	3.4	3.4	3.6	3.9	4.9
58°	3.1	3.4	3.4	3.4	3.6	4.1
58.5°	3.1	3.1	3.1	3.1	3.6	3.9
59°	2.8	3.1	2.8	3.1	3.4	3.6
59.5°	2.8	2.8	2.8	2.8	3.1	3.6
60°	2.6	2.6	2.6	2.6	3.1	3.4
60.5°	2.6	2.6	2.6	2.6	2.8	3.1
61°	2.3	2.3	2.3	2.3	2.6	3.1
61.5°	2.3	2.3	2.3	2.3	2.6	2.8
62°	2.1	2.3	2.1	2.3	2.3	2.8
62.5°	2.1	2.1	2.1	2.1	2.3	2.6
63°	1.8	2.1	2.1	2.1	2.1	2.6
63.5°	1.8	1.8	1.8	1.8	2.1	2.3
64°	1.8	1.8	1.8	1.8	2.1	2.3
64.5°	1.5	1.8	1.5	1.8	1.8	2.1
65°	1.5	1.5	1.5	1.5	1.8	2.1
65.5°	1.5	1.5	1.5	1.5	1.8	1.8
66°	1.5	1.5	1.5	1.5	1.5	1.8



TEST NUMBER: P776069

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.3	1.3	1.3	1.3	1.3	1.5
68°	1.3	1.3	1.0	1.3	1.3	1.5
68.5°	1.0	1.0	1.0	1.0	1.3	1.3
69°	1.0	1.0	1.0	1.0	1.3	1.3
69.5°	1.0	1.0	1.0	1.0	1.0	1.3
70°	1.0	1.0	1.0	1.0	1.0	1.3
70.5°	0.8	1.0	0.8	0.8	1.0	1.0
71°	0.8	0.8	0.8	0.8	1.0	1.0
71.5°	0.8	0.8	0.8	0.8	0.8	1.0
72°	0.8	0.8	0.8	0.8	0.8	1.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.8
73°	0.8	0.8	0.8	0.8	0.8	0.8
73.5°	0.5	0.5	0.5	0.5	0.8	0.8
74°	0.5	0.5	0.5	0.5	0.8	0.8
74.5°	0.5	0.5	0.5	0.5	0.5	0.8
75°	0.5	0.5	0.5	0.5	0.5	0.8
75.5°	0.5	0.5	0.5	0.5	0.5	0.5
76°	0.5	0.5	0.5	0.5	0.5	0.5
76.5°	0.5	0.5	0.5	0.5	0.5	0.5
77°	0.5	0.5	0.3	0.3	0.5	0.5
77.5°	0.3	0.3	0.3	0.3	0.5	0.5
78°	0.3	0.3	0.3	0.3	0.3	0.5
78.5°	0.3	0.3	0.3	0.3	0.3	0.5
79°	0.3	0.3	0.3	0.3	0.3	0.3
79.5°	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3
80.5°	0.3	0.3	0.3	0.3	0.3	0.3
81°	0.3	0.3	0.3	0.3	0.3	0.3
81.5°	0.3	0.3	0.3	0.3	0.3	0.3
82°	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.3	0.3
83°	0.0	0.0	0.0	0.0	0.0	0.3
83.5°	0.0	0.0	0.0	0.0	0.0	0.3
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: P776069
CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMB-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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Scaled Data Report





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

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Scaled Data Report



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Scaled Data Report





21.5°	1197.1	1213.6	1226.3	1232.5	1219.6	1212.9	1199.2	1173.4	1146.0	1129.7	1116.8
22°	1188.3	1205.6	1218.8	1224.5	1211.3	1204.3	1190.7	1164.6	1136.9	1120.2	1107.0



44°	427.6	469.2	507.9	533.2	489.6	470.7	433.3	361.3	299.0	277.3	255.9
44.5°	398.4	439.2	478.5	502.2	457.6	441.6	405.4	335.2	272.4	253.6	232.7



66.5°	1.8	1.8	2.1	2.1	1.8	1.8	1.8	1.8	1.5	1.5	1.5
67°	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.5	1.5	1.3



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°	1109.6	1124.6	1131.0	1143.7	1169.7	1197.1
22°	1099.2	1114.5	1121.2	1134.4	1160.7	1188.3



44°	235.8	261.6	277.8	306.0	363.6	427.6
44.5°	214.6	239.4	254.1	280.7	334.7	398.4



66.5°	1.3	1.3	1.3	1.3	1.5	1.8
67°	1.3	1.3	1.3	1.3	1.5	1.5

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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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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)