

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: P776085

Luminaire Tested: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B013)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K
Description: 6 INCH ROUND MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

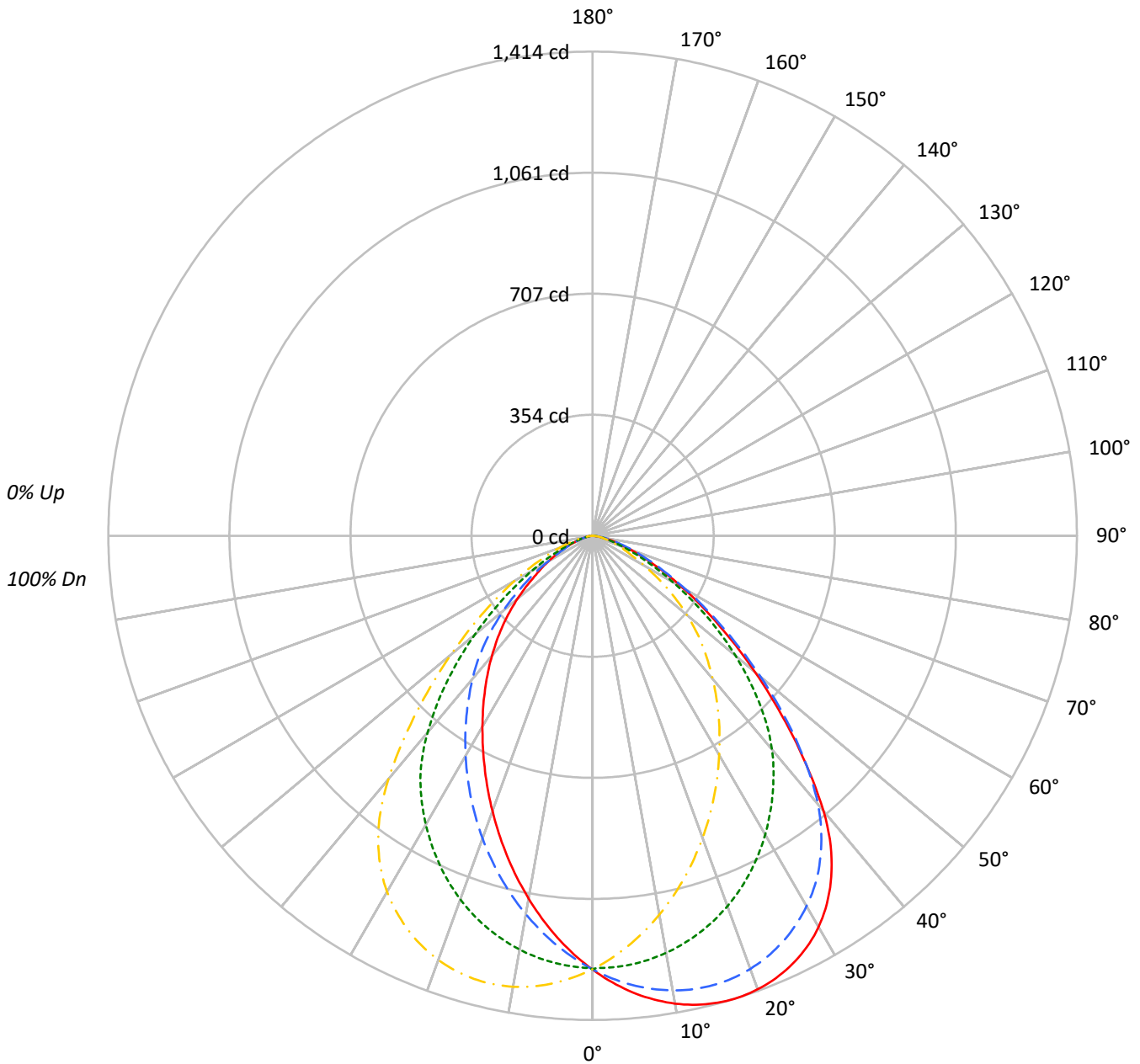
Lumens per Lamp: N/A
Luminaire Lumens: 2488.5 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.23
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): 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: P776085
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Luminous Intensity Polar Plot





TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	70	63	57	80	69	62	56	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69391	69391	69391	69391
5°	73657	69189	64830	68925
10°	77231	68842	59891	68302
15°	80114	68167	54847	67316
20°	82222	67159	49891	65899
25°	83467	65689	45130	64008
30°	83500	63763	40728	61649
35°	81318	61362	36640	58671
40°	75012	58288	32711	53636
45°	64061	53261	28732	46501
50°	52791	46463	24460	38344
55°	42350	38297	19822	29963
60°	33276	29669	16358	22465
65°	25295	21740	12790	16059
70°	18673	15259	9521	11060
75°	13238	10612	7074	7286
80°	8334	7577	5051	4578
85°	2768	5913	2579	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 65867 cd/sqm



TEST NUMBER: P776085

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	4.8
10°-20°	335.7	13.5
20°-30°	490.7	19.7
30°-40°	551.4	22.2
40°-50°	475.6	19.1
50°-60°	305.5	12.3
60°-70°	148.2	6.0
70°-80°	53.0	2.1
80°-90°	9.2	0.4
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°	945.6	38.0
0°-40°	1497.0	60.2
0°-60°	2278.1	91.5
0°-90°	2488.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2488.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1266	1266	1266	1266	1266	
5°	1338	1257	1178	1252	1338	129
15°	1412	1201	966	1186	1412	399
25°	1380	1086	746	1058	1380	635
35°	1215	917	548	877	1215	753
45°	826	687	371	600	826	637
55°	443	401	207	314	443	400
65°	195	168	99	124	195	197
75°	62	50	33	34	62	69
85°	4	9	4	4	4	8
90°	0	0	0	0	0	



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8
0.5°	1275.2	1274.3	1272.3	1269.4	1262.6	1260.9	1260.0	1259.5	1259.0	1259.2	1260.7
1°	1282.7	1281.5	1277.9	1272.3	1262.6	1258.0	1254.1	1252.0	1250.5	1251.2	1254.4
1.5°	1290.5	1288.8	1283.2	1275.2	1262.6	1254.4	1248.1	1244.0	1242.0	1243.2	1248.3
2°	1298.0	1295.8	1288.5	1278.1	1262.4	1251.0	1242.0	1236.0	1233.6	1235.5	1241.8
2.5°	1305.3	1302.4	1293.9	1280.6	1261.9	1247.4	1235.5	1227.7	1224.6	1227.0	1235.3
3°	1312.3	1308.9	1298.5	1283.0	1261.2	1243.7	1229.2	1219.5	1215.4	1218.5	1228.5
3.5°	1319.1	1315.2	1303.6	1285.4	1260.4	1239.9	1222.4	1210.8	1206.4	1210.1	1221.9
4°	1325.6	1321.7	1307.9	1287.3	1259.5	1235.7	1215.6	1202.1	1197.0	1201.3	1214.9
4.5°	1332.2	1327.3	1312.5	1289.3	1258.5	1231.4	1208.6	1193.3	1187.5	1192.6	1207.9
5°	1338.5	1333.4	1316.7	1291.0	1257.3	1227.3	1201.6	1184.4	1178.1	1183.4	1200.6
5.5°	1344.3	1338.7	1320.8	1292.7	1255.8	1222.4	1194.3	1175.4	1168.4	1174.4	1193.3
6°	1350.1	1344.0	1324.6	1294.1	1254.4	1217.8	1187.0	1166.0	1158.2	1165.2	1185.8
6.5°	1355.4	1349.1	1328.3	1295.3	1252.7	1213.2	1179.3	1156.8	1148.5	1155.8	1178.3
7°	1360.7	1354.0	1331.7	1296.5	1250.8	1208.1	1171.8	1147.3	1138.4	1146.6	1170.6
7.5°	1365.8	1358.6	1335.1	1297.3	1248.8	1203.0	1164.0	1137.6	1128.2	1137.1	1162.8
8°	1370.4	1363.2	1338.0	1298.0	1246.6	1197.9	1156.0	1128.2	1117.8	1127.2	1154.8
8.5°	1375.0	1367.5	1340.9	1298.7	1244.5	1192.6	1147.8	1118.0	1107.6	1117.5	1146.8
9°	1379.4	1371.4	1343.5	1299.0	1242.0	1187.0	1139.8	1108.3	1096.9	1107.8	1138.8
9.5°	1383.5	1375.3	1346.0	1299.5	1239.4	1181.5	1131.6	1098.4	1086.3	1097.7	1130.4
10°	1387.4	1378.9	1348.1	1299.5	1236.7	1175.7	1123.3	1088.4	1075.9	1087.7	1122.4
10.5°	1391.0	1382.3	1350.3	1299.2	1233.8	1169.8	1114.9	1078.3	1065.4	1077.8	1113.9
11°	1394.4	1385.2	1352.3	1299.0	1230.9	1163.8	1106.1	1067.9	1054.3	1067.6	1105.4
11.5°	1397.3	1388.1	1353.7	1298.5	1227.5	1157.5	1097.4	1057.7	1043.4	1057.4	1096.7
12°	1400.2	1390.5	1355.2	1297.8	1224.4	1151.4	1088.7	1047.3	1032.7	1047.3	1088.2
12.5°	1402.9	1393.0	1356.4	1297.0	1220.7	1144.9	1080.0	1036.8	1021.8	1036.6	1079.5
13°	1405.1	1394.9	1357.3	1296.1	1217.3	1138.6	1071.0	1026.4	1010.7	1026.4	1070.5
13.5°	1407.3	1396.8	1358.1	1294.6	1213.5	1132.1	1062.0	1016.0	999.8	1016.0	1061.8
14°	1408.9	1398.3	1358.6	1293.4	1209.6	1125.3	1052.8	1005.1	988.6	1005.6	1052.8
14.5°	1410.4	1399.7	1358.6	1291.7	1205.5	1118.5	1043.6	994.5	977.7	994.7	1043.6
15°	1411.6	1400.7	1358.8	1289.8	1201.1	1111.5	1034.4	983.8	966.4	984.3	1034.4
15.5°	1412.6	1401.4	1358.6	1287.8	1197.0	1104.4	1025.0	973.4	955.5	973.9	1025.2
16°	1413.3	1402.2	1358.1	1285.9	1192.4	1097.4	1015.8	962.5	944.3	963.2	1016.0
16.5°	1413.8	1402.2	1357.6	1283.5	1187.8	1089.9	1006.1	951.6	933.2	952.5	1006.8
17°	1414.0	1402.2	1356.6	1280.8	1182.9	1082.6	996.9	940.9	922.0	941.9	997.4
17.5°	1413.8	1402.2	1355.4	1277.9	1178.1	1075.1	987.2	930.0	910.6	931.0	987.9
18°	1413.6	1401.7	1354.2	1275.2	1173.0	1067.6	977.5	919.1	899.7	920.6	978.5
18.5°	1412.8	1401.0	1352.3	1271.8	1167.7	1059.9	967.8	908.5	888.6	909.7	968.8
19°	1412.1	1400.0	1350.6	1268.7	1162.1	1052.1	958.1	897.6	877.4	898.8	959.3
19.5°	1410.9	1398.8	1348.4	1265.1	1156.8	1044.4	948.7	886.7	866.3	888.3	949.9
20°	1409.4	1397.3	1346.2	1261.2	1151.2	1036.4	939.0	876.0	855.2	877.7	940.2
20.5°	1407.7	1395.4	1343.5	1257.3	1145.1	1028.4	928.8	865.3	844.5	866.8	930.5
21°	1405.8	1393.4	1340.9	1253.2	1139.1	1020.1	918.9	854.4	833.1	856.1	920.6



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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°	1398.3	1385.9	1331.2	1239.4	1120.4	995.2	889.6	822.5	800.4	824.1	891.3
23°	1395.1	1382.8	1327.3	1234.5	1113.9	986.7	879.4	811.6	789.3	813.5	881.3
23.5°	1392.0	1379.4	1323.4	1229.4	1107.1	978.2	869.5	801.1	778.6	802.8	871.4
24°	1388.1	1375.8	1319.1	1223.9	1100.3	969.5	859.5	790.2	767.7	792.2	861.7
24.5°	1384.2	1371.9	1314.7	1218.5	1093.3	961.0	849.3	779.8	756.8	781.5	851.8
25°	1379.9	1367.8	1309.9	1212.7	1086.0	952.3	839.2	768.9	746.1	771.1	841.8
25.5°	1375.3	1363.2	1305.0	1206.9	1079.0	943.3	829.5	758.7	735.7	760.7	831.9
26°	1370.7	1358.6	1299.9	1200.6	1071.5	934.4	819.5	748.1	725.3	750.3	821.7
26.5°	1365.3	1353.5	1294.4	1194.6	1064.0	925.4	809.4	737.7	714.6	739.6	811.8
27°	1360.0	1348.1	1288.5	1187.8	1056.5	916.4	799.2	727.2	704.2	729.4	801.9
27.5°	1354.2	1342.6	1282.7	1181.2	1048.5	907.2	789.3	717.3	693.8	719.0	791.9
28°	1348.1	1336.5	1276.4	1174.2	1040.5	898.0	779.3	706.9	683.6	708.8	782.0
28.5°	1341.6	1330.5	1269.9	1167.2	1032.5	888.8	769.4	696.7	673.5	698.7	772.1
29°	1334.6	1323.9	1263.1	1159.7	1024.3	879.6	759.2	686.3	663.5	688.5	761.9
29.5°	1327.1	1316.9	1256.3	1152.4	1016.0	870.2	749.3	676.6	653.4	678.1	752.0
30°	1319.1	1309.6	1249.1	1144.9	1007.3	861.0	739.1	666.4	643.4	668.1	741.8
30.5°	1310.8	1301.9	1241.6	1136.7	998.8	851.5	729.4	656.5	633.5	658.0	731.8
31°	1302.4	1293.6	1233.8	1128.7	990.3	841.8	719.5	646.8	623.8	648.0	721.9
31.5°	1293.2	1284.9	1225.8	1120.4	981.1	832.4	709.6	636.9	613.9	638.1	711.7
32°	1283.9	1275.7	1217.3	1111.9	972.4	822.9	699.6	627.2	604.4	628.2	702.1
32.5°	1273.8	1266.0	1208.4	1103.2	963.4	813.2	689.7	617.5	594.7	618.5	692.1
33°	1262.6	1256.1	1199.2	1094.5	954.2	803.3	679.8	608.1	585.3	608.8	681.7
33.5°	1251.0	1245.7	1189.5	1085.5	945.3	793.6	670.1	598.6	575.8	598.9	671.8
34°	1239.9	1235.0	1179.3	1076.1	935.8	783.9	660.1	588.9	566.4	589.6	662.1
34.5°	1227.5	1223.4	1168.6	1066.4	926.4	774.2	650.5	579.5	556.7	580.0	652.1
35°	1215.1	1211.5	1157.7	1056.7	916.9	764.6	640.8	570.0	547.5	570.3	642.2
35.5°	1201.8	1199.4	1146.3	1046.5	907.5	754.6	631.1	560.8	538.3	561.1	632.3
36°	1187.5	1186.3	1134.7	1036.1	897.8	744.9	621.6	551.6	529.3	551.6	622.6
36.5°	1173.0	1173.0	1122.6	1025.0	887.6	735.0	611.9	542.2	519.9	542.2	612.7
37°	1157.5	1158.9	1110.0	1013.8	877.9	725.3	602.2	533.0	510.9	532.7	603.0
37.5°	1141.5	1144.2	1096.9	1002.0	867.8	715.1	592.8	524.0	501.7	523.5	593.0
38°	1124.8	1129.1	1083.4	990.1	857.3	705.2	583.1	514.8	492.7	514.3	583.3
38.5°	1106.9	1113.4	1069.3	977.7	846.9	695.5	573.7	505.8	484.0	505.1	573.7
39°	1088.7	1096.9	1054.8	964.9	836.5	685.3	564.5	496.6	475.1	495.9	564.2
39.5°	1069.1	1079.0	1039.8	951.6	825.6	675.6	555.0	487.9	466.1	486.7	554.8
40°	1048.2	1060.3	1023.8	937.8	814.5	665.5	545.3	478.9	457.1	477.7	545.1
40.5°	1026.7	1041.2	1006.8	923.7	802.8	655.5	536.1	470.0	448.4	468.8	535.6
41°	1004.9	1021.3	989.4	908.9	791.2	645.8	526.7	461.0	439.7	459.6	526.4
41.5°	982.8	1000.0	971.4	893.9	779.1	635.9	517.5	452.0	430.7	450.8	516.7
42°	959.8	978.9	953.3	878.4	767.0	626.0	508.0	443.3	422.2	441.9	507.0
42.5°	937.5	957.6	934.6	862.9	754.1	615.8	499.0	434.6	413.5	433.2	497.1
43°	915.2	936.1	915.5	846.9	740.8	605.4	489.8	425.9	404.8	424.4	486.9
43.5°	892.7	914.5	895.9	830.7	727.7	594.7	480.9	417.2	396.3	415.7	476.8



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	826.3	849.6	838.0	781.0	687.0	561.5	454.0	391.2	370.6	389.8	445.7
45.5°	805.3	828.3	817.8	764.1	672.7	549.9	445.0	382.8	362.2	381.3	435.1
46°	783.7	806.7	798.0	747.4	658.9	538.5	435.8	374.0	353.7	372.6	424.4
46.5°	761.4	784.9	778.1	729.9	644.6	526.9	426.6	365.6	345.0	363.9	414.3
47°	740.8	763.6	758.3	712.7	630.3	515.3	416.9	357.1	336.7	354.9	403.6
47.5°	719.0	742.5	737.9	695.0	616.1	503.4	407.5	348.6	328.3	346.2	392.7
48°	698.7	721.7	718.0	677.8	602.0	491.8	398.0	340.4	320.0	337.2	382.0
48.5°	678.8	701.3	698.2	660.1	587.5	480.1	388.3	331.6	311.5	328.3	371.6
49°	658.2	681.0	678.3	642.9	573.2	468.3	378.6	323.2	303.1	319.3	361.0
49.5°	638.8	660.6	659.2	625.3	558.6	456.4	369.0	314.9	294.8	310.3	350.3
50°	619.0	640.5	639.1	607.6	544.8	444.5	359.5	306.7	286.8	301.6	339.6
50.5°	599.1	620.9	620.2	589.9	530.1	432.4	349.6	298.0	278.6	292.4	329.5
51°	580.9	601.5	601.3	572.9	515.3	420.3	339.6	289.3	270.1	283.2	318.8
51.5°	562.3	582.6	582.6	555.7	501.0	408.9	330.0	281.0	262.1	274.5	308.9
52°	543.6	564.0	564.2	538.8	486.7	397.1	320.3	272.8	254.1	265.5	298.5
52.5°	526.7	545.6	546.0	521.3	471.9	385.2	310.3	264.1	245.9	256.8	288.3
53°	508.5	527.9	528.1	504.9	457.4	373.3	300.9	255.6	237.9	247.8	278.1
53.5°	491.8	510.2	510.7	488.4	443.1	361.7	291.2	247.3	229.7	239.1	268.2
54°	474.6	492.7	493.5	472.2	429.0	350.1	281.3	238.9	221.9	230.4	258.2
54.5°	458.1	476.0	477.0	455.9	414.7	338.7	271.8	230.4	213.9	221.9	248.6
55°	443.1	459.6	460.0	439.9	400.7	327.5	262.4	222.4	207.4	213.9	238.9
55.5°	427.1	443.6	444.1	424.4	386.6	315.9	252.9	214.2	201.1	205.7	229.7
56°	412.6	427.8	428.3	409.2	372.8	304.5	243.5	206.6	194.5	197.7	220.2
56.5°	397.3	412.6	412.8	393.9	359.5	293.6	234.3	199.1	188.0	189.7	211.5
57°	383.2	397.5	397.8	379.1	346.2	282.5	225.3	191.6	183.4	181.7	202.8
57.5°	369.4	383.0	382.8	364.8	333.1	271.3	216.3	184.1	177.8	173.9	193.8
58°	355.6	369.0	368.5	350.8	319.8	260.9	207.9	179.8	172.0	166.7	185.1
58.5°	342.5	355.1	354.7	337.2	307.2	250.2	199.1	174.7	166.2	160.4	176.4
59°	329.2	341.6	341.1	323.7	294.8	239.8	190.7	169.1	160.4	155.5	168.1
59.5°	316.6	329.0	328.0	310.6	282.5	229.7	182.2	163.3	154.8	150.4	160.1
60°	303.5	316.1	314.9	298.0	270.6	219.7	173.7	157.7	149.2	145.4	152.4
60.5°	291.2	303.5	302.3	285.4	258.7	210.0	165.7	151.9	143.7	140.0	145.1
61°	279.6	291.2	290.2	273.5	247.6	200.6	157.9	146.3	138.3	134.7	138.1
61.5°	267.9	279.6	278.3	261.6	236.7	190.9	150.9	140.7	133.2	129.6	131.1
62°	256.5	267.9	267.2	250.2	226.0	181.4	143.9	135.4	128.2	124.5	124.8
62.5°	245.4	256.8	256.1	239.3	216.1	173.0	137.1	130.3	123.1	119.7	118.5
63°	235.0	245.9	245.2	228.7	206.2	164.2	130.6	125.2	118.0	114.8	112.4
63.5°	224.6	235.5	234.7	218.3	196.2	156.0	125.2	120.4	113.1	110.2	106.8
64°	214.2	225.1	224.6	207.9	186.3	148.0	120.6	115.6	108.3	105.6	101.5
64.5°	204.2	215.6	214.9	198.2	176.6	140.3	116.0	111.0	103.4	101.0	96.4
65°	195.0	205.9	205.2	188.7	167.6	133.0	111.4	106.3	98.6	96.4	91.8
65.5°	186.1	196.7	196.0	179.8	159.2	125.7	107.1	102.0	94.2	92.1	87.5
66°	176.8	187.5	187.0	171.0	150.7	118.7	102.5	97.4	89.9	87.7	83.6



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	152.4	162.6	162.1	146.6	127.7	100.3	90.1	85.0	77.3	75.3	73.2
68°	144.6	154.8	154.3	138.8	120.6	94.7	86.2	81.2	73.4	71.5	70.0
68.5°	137.4	147.3	146.6	131.5	113.6	89.4	82.4	77.3	69.8	67.8	66.9
69°	130.1	140.3	139.3	124.5	107.3	84.5	78.7	73.6	66.1	64.2	63.7
69.5°	123.1	133.2	132.5	117.7	101.0	79.7	75.3	70.0	62.7	60.8	60.8
70°	116.5	126.2	125.5	111.2	95.2	75.3	71.9	66.6	59.4	57.4	57.7
70.5°	110.2	119.9	119.2	105.1	89.4	71.2	68.8	63.5	56.4	54.3	54.7
71°	103.9	113.6	112.9	99.1	84.3	67.3	65.7	60.3	53.3	51.4	52.1
71.5°	97.9	107.8	106.8	93.5	79.2	63.5	62.5	57.2	50.4	48.5	49.4
72°	92.3	101.7	101.0	88.2	74.4	60.1	59.4	54.3	47.7	45.8	46.5
72.5°	86.2	96.2	95.4	83.6	69.8	56.7	56.7	51.6	45.1	43.4	44.1
73°	81.4	90.6	89.9	78.7	65.4	53.5	53.8	48.9	42.6	40.7	41.7
73.5°	76.6	86.7	85.3	74.1	61.3	50.6	51.1	46.3	40.2	38.5	39.2
74°	71.7	81.6	80.4	69.3	57.4	48.0	48.5	43.8	37.8	36.1	36.8
74.5°	66.9	76.8	75.8	64.4	53.8	45.3	46.0	41.4	35.6	33.9	34.6
75°	62.5	71.9	71.0	60.3	50.1	42.9	43.4	39.0	33.4	32.0	32.5
75.5°	57.9	67.1	66.4	56.4	46.8	40.7	41.2	36.8	31.5	29.8	30.5
76°	53.8	62.7	62.0	52.6	43.6	38.5	39.0	34.6	29.3	27.9	28.6
76.5°	49.9	58.6	57.9	48.9	40.7	36.3	36.8	32.7	27.4	25.9	26.6
77°	46.0	54.7	54.0	45.5	37.8	34.4	34.6	30.5	25.7	24.2	25.0
77.5°	42.4	51.1	50.1	42.4	35.1	32.5	32.7	28.6	24.0	22.5	23.3
78°	39.0	47.5	46.5	39.2	32.5	30.5	30.8	26.6	22.3	20.8	21.6
78.5°	35.6	44.1	43.1	36.1	30.0	28.8	28.8	24.7	20.6	19.4	20.1
79°	32.5	40.9	39.7	33.4	27.9	27.1	26.9	23.0	19.1	17.9	18.7
79.5°	29.3	37.8	36.6	30.8	25.7	25.4	25.2	21.3	17.7	16.2	17.2
80°	26.4	34.9	33.7	28.1	24.0	23.7	23.5	19.9	16.0	14.8	15.5
80.5°	23.7	32.0	31.0	25.9	22.0	22.3	21.8	18.2	14.5	13.3	14.1
81°	21.1	29.3	28.3	23.7	20.6	20.8	20.3	16.5	13.3	12.1	12.8
81.5°	18.4	26.6	25.7	21.6	18.9	19.4	18.7	14.8	11.9	10.9	11.6
82°	16.0	24.2	23.3	19.6	17.4	17.7	17.2	13.3	10.7	9.7	10.4
82.5°	13.8	21.8	21.1	17.9	15.7	16.2	15.5	12.1	9.4	8.5	9.2
83°	11.6	19.6	18.9	16.2	14.3	14.8	14.1	10.7	8.2	7.3	8.2
83.5°	9.4	17.4	17.0	14.5	13.1	13.6	12.6	9.4	7.3	6.3	7.3
84°	7.8	15.3	15.0	12.8	11.6	12.4	11.4	8.2	6.3	5.1	6.3
84.5°	6.1	13.3	13.3	11.4	10.7	11.1	10.2	7.0	5.1	4.4	5.3
85°	4.4	11.4	11.6	10.2	9.4	9.9	9.0	6.1	4.1	3.4	4.6
85.5°	2.7	9.4	9.9	8.7	8.2	8.7	7.8	5.1	3.4	2.9	3.6
86°	1.9	8.2	8.7	7.8	7.3	7.8	6.8	4.4	2.7	2.4	2.9
86.5°	1.5	6.8	7.5	6.5	6.3	6.5	5.8	3.6	2.2	1.9	2.2
87°	1.2	5.3	6.1	5.3	5.3	5.6	4.8	2.9	1.7	1.5	1.5
87.5°	0.7	4.1	4.8	4.4	4.4	4.6	3.9	2.4	1.2	1.0	0.7
88°	0.5	2.9	3.6	3.4	3.6	3.6	3.1	1.7	0.7	0.5	0.2
88.5°	0.2	1.7	2.4	2.4	2.9	2.7	2.2	1.2	0.5	0.2	0.0



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8
0.5°	1262.9	1262.1	1266.7	1270.9	1274.3	1275.2
1°	1259.5	1261.9	1269.4	1276.4	1281.5	1282.7
1.5°	1255.8	1261.2	1271.8	1281.3	1288.3	1290.5
2°	1252.0	1260.4	1274.3	1286.4	1295.1	1298.0
2.5°	1248.1	1259.5	1276.2	1291.2	1301.4	1305.3
3°	1244.2	1258.5	1278.1	1295.6	1307.9	1312.3
3.5°	1239.9	1257.3	1280.1	1299.9	1313.7	1319.1
4°	1235.5	1255.8	1281.5	1304.1	1319.8	1325.6
4.5°	1230.9	1254.1	1283.0	1307.9	1325.4	1332.2
5°	1226.3	1252.5	1284.2	1311.8	1330.9	1338.5
5.5°	1221.7	1250.8	1285.4	1315.2	1336.3	1344.3
6°	1216.6	1248.8	1286.4	1318.6	1341.1	1350.1
6.5°	1211.8	1246.6	1286.9	1321.7	1346.0	1355.4
7°	1206.7	1244.2	1287.3	1324.6	1350.3	1360.7
7.5°	1201.3	1241.8	1287.8	1327.3	1354.7	1365.8
8°	1196.0	1239.1	1287.8	1329.7	1358.8	1370.4
8.5°	1190.4	1236.2	1287.8	1331.9	1362.7	1375.0
9°	1184.9	1233.6	1287.6	1333.9	1366.3	1379.4
9.5°	1179.1	1230.2	1287.1	1335.8	1369.7	1383.5
10°	1173.2	1227.0	1286.4	1337.2	1372.9	1387.4
10.5°	1167.4	1223.9	1285.6	1338.5	1375.8	1391.0
11°	1161.1	1220.2	1284.4	1339.7	1378.4	1394.4
11.5°	1155.1	1216.4	1283.2	1340.4	1380.6	1397.3
12°	1148.5	1212.5	1281.8	1341.1	1382.8	1400.2
12.5°	1142.0	1208.4	1280.1	1341.4	1384.7	1402.9
13°	1135.4	1204.2	1278.4	1341.6	1386.2	1405.1
13.5°	1128.9	1200.1	1276.2	1341.4	1387.4	1407.3
14°	1122.1	1195.5	1274.0	1341.1	1388.6	1408.9
14.5°	1115.1	1190.9	1271.6	1340.4	1389.3	1410.4
15°	1108.1	1186.1	1268.7	1339.7	1389.8	1411.6
15.5°	1101.0	1181.0	1265.8	1338.5	1390.1	1412.6
16°	1093.8	1176.1	1262.9	1337.2	1390.1	1413.3
16.5°	1086.5	1170.8	1259.7	1335.5	1389.8	1413.8
17°	1079.0	1165.5	1256.1	1333.9	1389.3	1414.0
17.5°	1071.5	1159.9	1252.5	1331.7	1388.6	1413.8
18°	1063.7	1154.1	1248.6	1329.5	1387.6	1413.6
18.5°	1056.0	1148.3	1244.5	1326.8	1386.2	1412.8
19°	1048.2	1142.2	1240.1	1324.2	1384.7	1412.1
19.5°	1040.2	1136.2	1235.7	1321.0	1382.8	1410.9
20°	1032.2	1129.6	1230.9	1317.9	1380.8	1409.4
20.5°	1024.3	1123.3	1226.0	1314.2	1378.4	1407.7
21°	1015.8	1116.8	1221.0	1310.6	1375.8	1405.8

TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	990.8	1095.7	1204.5	1298.0	1366.3	1398.3
23°	982.1	1088.7	1198.4	1293.2	1362.7	1395.1
23.5°	973.9	1081.4	1192.4	1288.3	1358.8	1392.0
24°	964.9	1073.9	1186.1	1283.2	1354.4	1388.1
24.5°	955.9	1066.4	1179.5	1277.6	1349.8	1384.2
25°	947.2	1058.2	1172.8	1271.8	1345.0	1379.9
25.5°	938.5	1050.4	1166.0	1265.8	1339.7	1375.3
26°	929.5	1042.4	1158.9	1259.7	1334.6	1370.7
26.5°	920.1	1034.7	1151.9	1253.2	1328.8	1365.3
27°	911.1	1025.9	1144.4	1246.4	1322.9	1360.0
27.5°	901.9	1017.2	1136.7	1239.6	1316.7	1354.2
28°	892.7	1009.2	1128.7	1232.3	1309.9	1348.1
28.5°	883.3	1000.5	1120.7	1224.8	1302.8	1341.6
29°	873.8	991.8	1112.4	1217.1	1295.6	1334.6
29.5°	864.6	983.1	1103.7	1208.8	1287.6	1327.1
30°	854.9	973.9	1095.5	1200.4	1279.3	1319.1
30.5°	845.2	964.9	1086.3	1191.4	1270.4	1310.8
31°	835.8	955.5	1077.5	1182.2	1261.2	1302.4
31.5°	826.1	946.7	1068.1	1172.3	1251.2	1293.2
32°	816.4	936.6	1058.4	1162.1	1241.3	1283.9
32.5°	806.7	927.1	1048.2	1151.7	1230.9	1273.8
33°	796.8	917.2	1037.6	1140.5	1220.2	1262.6
33.5°	787.1	907.7	1027.2	1129.1	1208.8	1251.0
34°	777.2	897.6	1015.5	1116.8	1196.3	1239.9
34.5°	767.5	887.1	1003.7	1104.2	1183.2	1227.5
35°	757.3	876.7	991.5	1091.4	1169.8	1215.1
35.5°	747.6	865.6	978.9	1078.0	1156.3	1201.8
36°	737.7	853.9	966.1	1064.0	1142.0	1187.5
36.5°	727.5	842.6	952.8	1049.4	1127.0	1173.0
37°	717.3	830.4	938.5	1033.9	1111.0	1157.5
37.5°	706.9	817.4	924.2	1018.0	1094.3	1141.5
38°	696.7	804.5	908.5	1001.5	1076.6	1124.8
38.5°	686.3	791.4	893.2	984.0	1058.4	1106.9
39°	675.6	777.9	876.5	965.6	1039.3	1088.7
39.5°	664.5	763.6	860.5	946.2	1018.9	1069.1
40°	653.1	749.5	843.0	926.4	997.6	1048.2
40.5°	641.0	735.0	826.1	907.2	976.3	1026.7
41°	629.1	720.5	808.9	886.9	954.5	1004.9
41.5°	616.8	706.2	791.4	866.8	932.4	982.8
42°	604.2	690.9	774.2	846.7	909.9	959.8
42.5°	592.1	675.9	756.6	826.6	888.3	937.5
43°	579.5	660.9	738.4	806.0	866.8	915.2
43.5°	566.9	646.1	720.7	785.6	844.7	892.7



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	528.8	599.8	666.7	725.3	780.5	826.3
45.5°	516.2	585.0	648.8	705.7	759.7	805.3
46°	503.4	569.5	630.8	685.6	738.6	783.7
46.5°	490.8	554.8	613.4	666.7	718.5	761.4
47°	477.7	539.5	595.9	647.5	697.9	740.8
47.5°	464.6	524.0	577.8	628.9	677.6	719.0
48°	452.0	509.0	560.6	610.2	657.7	698.7
48.5°	439.4	494.0	543.9	592.6	638.6	678.8
49°	426.4	479.7	527.4	574.4	619.2	658.2
49.5°	414.0	464.4	510.7	556.7	600.8	638.8
50°	401.4	449.6	494.0	539.5	581.7	619.0
50.5°	388.8	434.8	478.7	522.3	564.0	599.1
51°	376.5	420.6	462.7	505.8	546.0	580.9
51.5°	364.8	406.0	447.7	489.4	528.4	562.3
52°	352.0	392.5	432.9	473.6	511.4	543.6
52.5°	339.9	378.9	418.1	458.1	494.7	526.7
53°	328.0	364.8	403.6	442.6	478.2	508.5
53.5°	316.4	351.5	389.5	427.8	462.5	491.8
54°	304.5	338.9	376.0	412.8	446.5	474.6
54.5°	293.4	326.1	362.4	399.0	431.5	458.1
55°	282.0	313.5	349.3	384.7	416.7	443.1
55.5°	270.6	301.6	336.7	371.4	402.1	427.1
56°	259.7	289.7	323.9	358.1	388.1	412.6
56.5°	249.0	278.1	311.8	345.2	373.8	397.3
57°	238.6	267.0	299.7	332.4	360.5	383.2
57.5°	228.4	255.8	288.3	320.0	347.4	369.4
58°	218.5	245.2	276.9	308.4	334.8	355.6
58.5°	209.3	234.5	265.5	296.5	322.2	342.5
59°	199.9	224.6	255.3	285.1	310.1	329.2
59.5°	190.4	214.6	244.2	274.0	298.7	316.6
60°	181.2	204.9	234.5	263.3	287.1	303.5
60.5°	172.7	195.7	224.6	252.7	276.4	291.2
61°	164.5	186.5	214.9	242.3	265.0	279.6
61.5°	156.3	177.8	205.7	232.8	254.6	267.9
62°	148.3	169.3	196.7	223.1	244.4	256.5
62.5°	140.7	161.1	187.7	213.7	234.3	245.4
63°	133.5	152.9	179.3	204.5	224.3	235.0
63.5°	126.5	145.1	170.8	196.0	214.6	224.6
64°	119.7	137.8	162.8	187.3	205.2	214.2
64.5°	113.4	130.6	155.3	179.0	196.5	204.2
65°	107.3	123.8	147.8	170.8	187.5	195.0
65.5°	101.3	117.3	140.5	163.3	179.0	186.1
66°	95.7	110.7	133.2	155.8	170.5	176.8



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	80.4	93.0	114.1	134.7	147.5	152.4
68°	75.8	87.9	107.8	127.9	140.5	144.6
68.5°	71.2	83.1	102.0	121.6	133.5	137.4
69°	67.3	78.5	96.4	115.3	126.9	130.1
69.5°	63.2	73.9	91.1	109.5	120.2	123.1
70°	59.6	69.0	86.2	103.7	114.1	116.5
70.5°	56.0	64.4	81.4	98.1	108.0	110.2
71°	52.8	60.6	76.8	92.8	102.5	103.9
71.5°	49.4	56.7	72.2	87.7	96.7	97.9
72°	46.5	52.8	67.3	83.1	91.3	92.3
72.5°	43.6	49.4	63.2	78.5	86.0	86.2
73°	40.9	46.0	59.1	73.9	81.4	81.4
73.5°	38.3	43.1	55.5	69.3	76.8	76.6
74°	35.9	40.0	51.8	64.7	71.9	71.7
74.5°	33.4	37.1	48.5	60.6	67.3	66.9
75°	31.3	34.4	44.8	56.7	63.2	62.5
75.5°	29.3	31.7	41.7	52.8	59.1	57.9
76°	27.4	29.3	38.5	49.2	55.0	53.8
76.5°	25.7	26.9	35.6	45.5	51.1	49.9
77°	24.0	25.0	32.9	42.2	47.7	46.0
77.5°	22.3	23.0	30.3	39.0	44.3	42.4
78°	20.8	21.1	27.9	36.1	40.9	39.0
78.5°	19.4	19.4	25.4	33.2	37.8	35.6
79°	18.2	17.7	23.3	30.3	34.6	32.5
79.5°	16.7	16.0	21.3	27.6	31.7	29.3
80°	15.3	14.5	19.1	25.2	29.1	26.4
80.5°	14.1	13.3	17.4	22.8	26.4	23.7
81°	12.8	11.9	15.5	20.6	23.7	21.1
81.5°	11.6	10.7	14.1	18.4	21.3	18.4
82°	10.4	9.4	12.4	16.2	19.1	16.0
82.5°	9.4	8.5	10.9	14.5	17.0	13.8
83°	8.2	7.5	9.4	12.6	15.0	11.6
83.5°	7.3	6.3	8.2	10.9	13.1	9.4
84°	6.3	5.3	7.0	9.4	11.4	7.8
84.5°	5.3	4.4	5.8	8.0	9.7	6.1
85°	4.4	3.6	4.6	6.8	8.5	4.4
85.5°	3.4	2.7	3.6	5.3	7.0	2.7
86°	2.7	1.9	2.7	3.9	5.6	1.9
86.5°	1.9	1.2	1.7	2.7	4.4	1.5
87°	1.0	0.5	0.7	1.7	2.9	1.2
87.5°	0.5	0.2	0.2	0.7	1.7	0.7
88°	0.0	0.0	0.0	0.0	0.7	0.5
88.5°	0.0	0.0	0.0	0.0	0.0	0.2



TEST NUMBER: P776085

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-2700K

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



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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°	1403.6	1391.3	1338.0	1248.8	1133.0	1011.9	909.2	843.8	822.2	845.2	910.9
22°	1401.2	1388.6	1334.6	1244.2	1127.0	1003.7	899.2	832.9	811.1	834.8	900.9



44°	870.7	892.9	876.5	814.2	714.2	583.8	471.9	408.4	387.6	407.0	466.3
44.5°	848.9	871.1	857.6	797.7	700.6	572.9	462.9	399.7	378.9	398.3	456.2



66.5°	168.1	179.0	178.5	162.3	142.7	112.4	98.1	93.0	85.3	83.3	79.9
67°	160.1	170.8	169.8	154.3	135.2	106.1	94.0	89.1	81.2	79.5	76.6



89°	0.0	0.7	1.5	1.5	1.9	1.9	1.5	0.7	0.0	0.0	0.0
89.5°	0.0	0.2	0.5	0.7	1.2	1.2	0.7	0.2	0.0	0.0	0.0

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Scaled Data Report



21.5°	1007.8	1109.5	1215.6	1306.5	1373.1	1403.6
22°	999.1	1103.2	1210.1	1302.4	1369.7	1401.2



44°	554.0	630.8	702.8	765.3	822.9	870.7
44.5°	541.4	615.3	684.9	745.2	801.9	848.9



66.5°	90.1	104.7	126.7	148.5	162.8	168.1
67°	85.0	98.6	120.2	141.2	155.0	160.1

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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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)