

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: P776090

Luminaire Tested: HCDJBS1525CSD-HCD6TRMB-2500lm-2700K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776090  
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: HCDJBL51525CSD-HCD6TRMB-2500lm-2700K  
Description: 6 INCH ROUND MEDIUM MATTE BLACK TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1791.3 lumens  
Efficiency: N/A  
Efficacy: 71.7 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

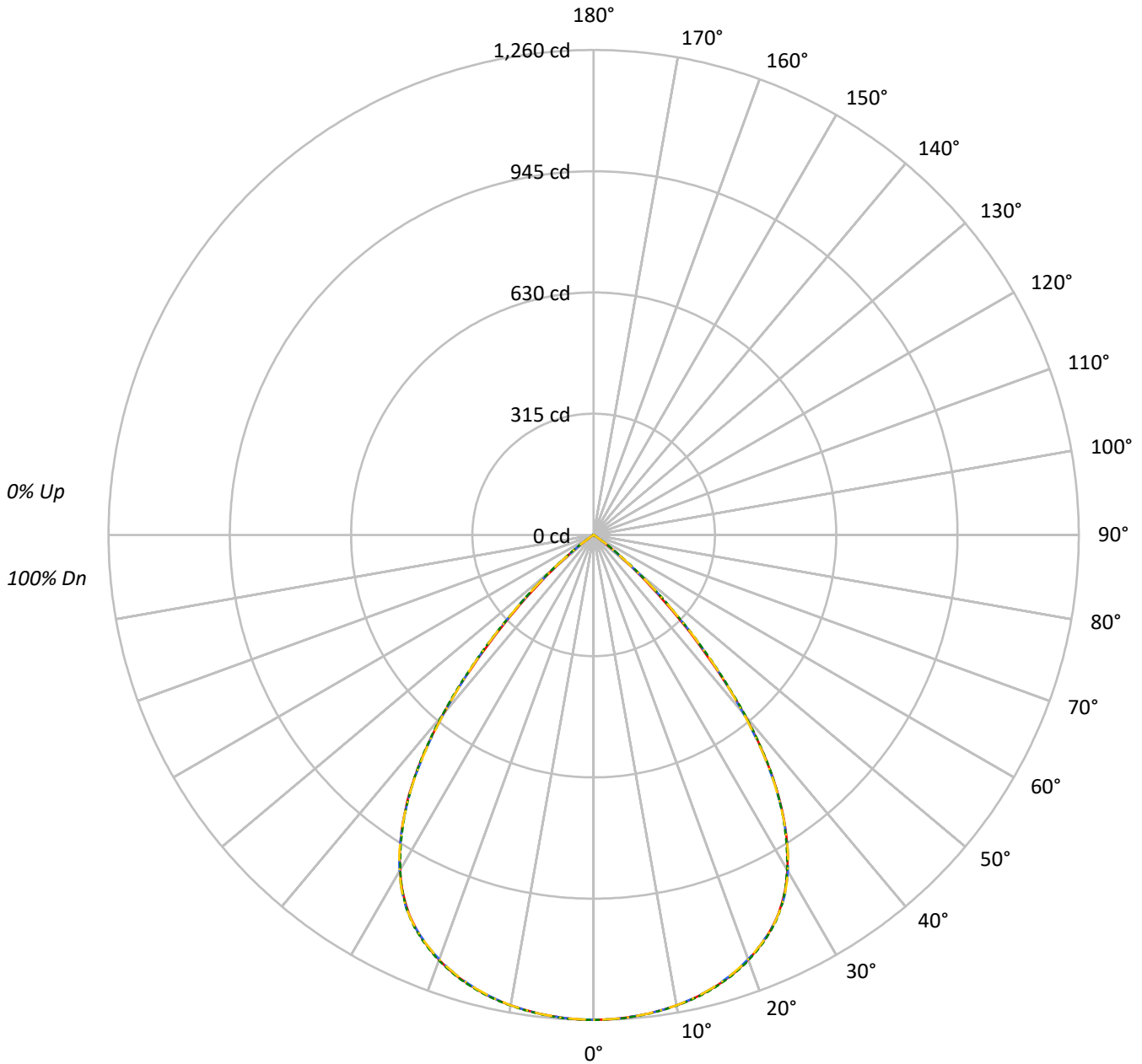
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### 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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77					77			
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70					70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59					59			
7	79	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	56	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50					50			
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46					46			
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42					42			

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

	0°	90°	180°	270°
0°	69062	69062	69062	69062
5°	69057	69084	69057	69084
10°	69076	69131	69076	69131
15°	68996	69081	68996	69081
20°	68518	68606	68518	68606
25°	67208	67341	67208	67341
30°	63668	63573	63668	63573
35°	56436	56262	56436	56262
40°	43524	43889	43524	43889
45°	26018	27313	26018	27313
50°	10754	12366	10754	12366
55°	2084	2456	2084	2456
60°	164	164	164	164
65°	65	65	65	65
70°	32	32	32	32
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: 27367 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.4	6.7
10°-20°	342.7	19.1
20°-30°	509.0	28.4
30°-40°	515.9	28.8
40°-50°	270.0	15.1
50°-60°	33.7	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°	971.1	54.2
0°-40°	1487.0	83.0
0°-60°	1790.7	100.0
0°-90°	1791.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1791.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1255	1255	1255	1255	1255	119
15°	1216	1217	1216	1217	1216	343
25°	1111	1113	1111	1113	1111	509
35°	843	841	843	841	843	517
45°	336	352	336	352	336	263
55°	22	26	22	26	22	31
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°	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8
0.5°	1259.8	1259.5	1259.5	1259.5	1260.0	1259.5	1259.5	1259.5	1259.8	1259.5	1259.5
1°	1259.5	1259.5	1259.3	1259.3	1260.0	1259.3	1259.3	1259.5	1259.5	1259.5	1259.3
1.5°	1259.3	1259.3	1259.1	1259.1	1259.8	1259.1	1259.1	1259.3	1259.3	1259.3	1259.1
2°	1259.1	1258.8	1258.8	1258.8	1259.3	1258.8	1258.8	1258.8	1259.1	1258.8	1258.8
2.5°	1258.6	1258.3	1258.3	1258.3	1259.1	1258.3	1258.3	1258.3	1258.6	1258.3	1258.3
3°	1257.8	1257.8	1257.8	1257.8	1258.6	1257.8	1257.8	1257.8	1257.8	1257.8	1257.8
3.5°	1257.4	1257.4	1257.4	1257.1	1257.8	1257.1	1257.4	1257.4	1257.4	1257.4	1257.4
4°	1256.6	1256.6	1256.6	1256.6	1257.1	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6
4.5°	1255.7	1255.7	1255.7	1255.7	1256.4	1255.7	1255.7	1255.7	1255.7	1255.7	1255.7
5°	1254.9	1254.9	1254.9	1254.9	1255.4	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9
5.5°	1254.0	1254.0	1254.0	1254.0	1254.7	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0
6°	1253.0	1252.8	1252.8	1252.8	1253.5	1252.8	1252.8	1252.8	1253.0	1252.8	1252.8
6.5°	1251.8	1251.5	1251.8	1251.8	1252.5	1251.8	1251.8	1251.5	1251.8	1251.5	1251.8
7°	1250.6	1250.3	1250.3	1250.6	1251.1	1250.6	1250.3	1250.3	1250.6	1250.3	1250.3
7.5°	1249.1	1249.1	1249.1	1249.1	1249.9	1249.1	1249.1	1249.1	1249.1	1249.1	1249.1
8°	1247.7	1247.7	1247.7	1247.7	1248.4	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7
8.5°	1246.2	1246.0	1246.0	1246.2	1246.9	1246.2	1246.0	1246.0	1246.2	1246.0	1246.0
9°	1244.5	1244.5	1244.5	1244.5	1245.3	1244.5	1244.5	1244.5	1244.5	1244.5	1244.5
9.5°	1242.8	1242.6	1242.6	1242.8	1243.6	1242.8	1242.6	1242.6	1242.8	1242.6	1242.6
10°	1240.9	1240.9	1240.6	1240.9	1241.9	1240.9	1240.6	1240.9	1240.9	1240.9	1240.6
10.5°	1239.2	1238.7	1238.7	1239.0	1239.9	1239.0	1238.7	1238.7	1239.2	1238.7	1238.7
11°	1237.0	1236.8	1236.5	1237.0	1238.0	1237.0	1236.5	1236.8	1237.0	1236.8	1236.5
11.5°	1234.8	1234.4	1234.4	1234.8	1235.8	1234.8	1234.4	1234.4	1234.8	1234.4	1234.4
12°	1232.4	1232.2	1231.9	1232.4	1233.6	1232.4	1231.9	1232.2	1232.4	1232.2	1231.9
12.5°	1230.0	1229.5	1229.3	1230.0	1231.2	1230.0	1229.3	1229.5	1230.0	1229.5	1229.3
13°	1227.6	1227.1	1226.6	1227.3	1228.8	1227.3	1226.6	1227.1	1227.6	1227.1	1226.6
13.5°	1224.7	1224.2	1223.9	1224.7	1226.1	1224.7	1223.9	1224.2	1224.7	1224.2	1223.9
14°	1222.0	1221.3	1220.8	1221.8	1223.2	1221.8	1220.8	1221.3	1222.0	1221.3	1220.8
14.5°	1218.9	1218.4	1217.9	1218.6	1220.3	1218.6	1217.9	1218.4	1218.9	1218.4	1217.9
15°	1215.7	1215.0	1214.5	1215.5	1217.2	1215.5	1214.5	1215.0	1215.7	1215.0	1214.5
15.5°	1212.3	1211.6	1211.1	1212.1	1213.8	1212.1	1211.1	1211.6	1212.3	1211.6	1211.1
16°	1208.9	1208.2	1207.5	1208.7	1210.4	1208.7	1207.5	1208.2	1208.9	1208.2	1207.5
16.5°	1205.3	1204.3	1203.8	1205.1	1206.8	1205.1	1203.8	1204.3	1205.3	1204.3	1203.8
17°	1201.4	1200.5	1200.0	1201.2	1202.9	1201.2	1200.0	1200.5	1201.4	1200.5	1200.0
17.5°	1197.3	1196.6	1195.9	1197.1	1199.0	1197.1	1195.9	1196.6	1197.3	1196.6	1195.9
18°	1193.2	1192.2	1191.5	1193.0	1194.6	1193.0	1191.5	1192.2	1193.2	1192.2	1191.5
18.5°	1188.6	1187.9	1187.1	1188.6	1190.3	1188.6	1187.1	1187.9	1188.6	1187.9	1187.1
19°	1184.2	1183.3	1182.5	1184.0	1185.7	1184.0	1182.5	1183.3	1184.2	1183.3	1182.5
19.5°	1179.4	1178.7	1177.7	1179.2	1181.1	1179.2	1177.7	1178.7	1179.4	1178.7	1177.7
20°	1174.5	1173.6	1172.9	1174.3	1176.0	1174.3	1172.9	1173.6	1174.5	1173.6	1172.9
20.5°	1169.2	1168.5	1167.8	1169.2	1170.9	1169.2	1167.8	1168.5	1169.2	1168.5	1167.8
21°	1163.9	1163.2	1162.4	1163.9	1165.3	1163.9	1162.4	1163.2	1163.9	1163.2	1162.4



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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°	1146.2	1145.5	1145.3	1146.5	1147.9	1146.5	1145.3	1145.5	1146.2	1145.5	1145.3
23°	1139.7	1139.2	1139.0	1140.4	1141.4	1140.4	1139.0	1139.2	1139.7	1139.2	1139.0
23.5°	1132.9	1132.7	1132.7	1133.9	1134.8	1133.9	1132.7	1132.7	1132.9	1132.7	1132.7
24°	1126.1	1125.9	1126.1	1126.9	1128.1	1126.9	1126.1	1125.9	1126.1	1125.9	1126.1
24.5°	1118.9	1118.9	1119.1	1119.8	1120.8	1119.8	1119.1	1118.9	1118.9	1118.9	1119.1
25°	1111.1	1111.4	1111.8	1112.3	1113.3	1112.3	1111.8	1111.4	1111.1	1111.4	1111.8
25.5°	1103.1	1103.4	1104.1	1104.1	1105.1	1104.1	1104.1	1103.4	1103.1	1103.4	1104.1
26°	1094.4	1094.9	1095.6	1095.6	1096.6	1095.6	1095.6	1094.9	1094.4	1094.9	1095.6
26.5°	1085.4	1086.2	1087.1	1086.7	1087.1	1086.7	1087.1	1086.2	1085.4	1086.2	1087.1
27°	1075.8	1076.7	1077.7	1077.0	1077.5	1077.0	1077.7	1076.7	1075.8	1076.7	1077.7
27.5°	1065.6	1066.8	1067.8	1066.8	1066.8	1066.8	1067.8	1066.8	1065.6	1066.8	1067.8
28°	1054.7	1056.2	1057.4	1055.9	1055.2	1055.9	1057.4	1056.2	1054.7	1056.2	1057.4
28.5°	1043.3	1045.0	1046.2	1044.5	1043.3	1044.5	1046.2	1045.0	1043.3	1045.0	1046.2
29°	1031.5	1033.1	1034.4	1032.7	1031.0	1032.7	1034.4	1033.1	1031.5	1033.1	1034.4
29.5°	1018.9	1020.8	1022.0	1020.1	1017.9	1020.1	1022.0	1020.8	1018.9	1020.8	1022.0
30°	1005.8	1007.2	1008.7	1006.5	1004.3	1006.5	1008.7	1007.2	1005.8	1007.2	1008.7
30.5°	992.2	993.7	994.9	992.5	990.1	992.5	994.9	993.7	992.2	993.7	994.9
31°	977.9	979.2	980.4	978.2	975.5	978.2	980.4	979.2	977.9	979.2	980.4
31.5°	963.2	963.9	965.1	962.7	960.3	962.7	965.1	963.9	963.2	963.9	965.1
32°	947.9	947.9	949.1	946.7	944.8	946.7	949.1	947.9	947.9	947.9	949.1
32.5°	931.9	931.7	932.4	930.0	928.6	930.0	932.4	931.7	931.9	931.7	932.4
33°	915.5	914.5	915.2	912.8	912.3	912.8	915.2	914.5	915.5	914.5	915.2
33.5°	898.8	897.1	897.3	895.1	894.9	895.1	897.3	897.1	898.8	897.1	897.3
34°	880.9	878.9	878.9	876.5	877.7	876.5	878.9	878.9	880.9	878.9	878.9
34.5°	862.5	860.3	859.8	857.4	859.5	857.4	859.8	860.3	862.5	860.3	859.8
35°	843.3	840.9	839.9	838.2	840.7	838.2	839.9	840.9	843.3	840.9	839.9
35.5°	823.2	821.3	819.6	818.6	821.3	818.6	819.6	821.3	823.2	821.3	819.6
36°	802.4	801.0	798.5	798.0	801.2	798.0	798.5	801.0	802.4	801.0	798.5
36.5°	780.9	779.6	776.7	777.0	780.6	777.0	776.7	779.6	780.9	779.6	776.7
37°	758.3	757.6	754.2	755.4	758.8	755.4	754.2	757.6	758.3	757.6	754.2
37.5°	735.1	734.9	730.7	732.9	736.1	732.9	730.7	734.9	735.1	734.9	730.7
38°	711.4	711.1	706.5	709.7	712.8	709.7	706.5	711.1	711.4	711.1	706.5
38.5°	686.7	686.4	681.3	685.7	688.8	685.7	681.3	686.4	686.7	686.4	681.3
39°	661.5	660.8	655.9	661.5	664.4	661.5	655.9	660.8	661.5	660.8	655.9
39.5°	635.6	634.4	630.0	636.3	639.2	636.3	630.0	634.4	635.6	634.4	630.0
40°	608.2	607.3	603.6	610.2	613.3	610.2	603.6	607.3	608.2	607.3	603.6
40.5°	581.1	579.9	577.5	583.8	586.4	583.8	577.5	579.9	581.1	579.9	577.5
41°	553.3	552.5	552.0	557.4	559.8	557.4	552.0	552.5	553.3	552.5	552.0
41.5°	525.7	524.9	526.6	531.0	533.2	531.0	526.6	524.9	525.7	524.9	526.6
42°	497.6	497.8	501.4	504.3	507.0	504.3	501.4	497.8	497.6	497.8	501.4
42.5°	469.7	470.9	476.0	478.4	480.9	478.4	476.0	470.9	469.7	470.9	476.0
43°	441.9	444.3	450.6	452.8	454.5	452.8	450.6	444.3	441.9	444.3	450.6
43.5°	414.5	417.9	425.2	427.4	428.3	427.4	425.2	417.9	414.5	417.9	425.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	335.6	340.4	350.1	353.0	352.3	353.0	350.1	340.4	335.6	340.4	350.1
45.5°	310.6	315.7	325.9	329.8	327.8	329.8	325.9	315.7	310.6	315.7	325.9
46°	286.2	292.2	302.9	306.8	303.9	306.8	302.9	292.2	286.2	292.2	302.9
46.5°	263.9	269.2	279.9	283.5	280.9	283.5	279.9	269.2	263.9	269.2	279.9
47°	241.6	246.7	257.1	261.3	258.3	261.3	257.1	246.7	241.6	246.7	257.1
47.5°	220.1	224.9	234.6	239.2	237.0	239.2	234.6	224.9	220.1	224.9	234.6
48°	198.8	203.9	213.3	218.4	216.9	218.4	213.3	203.9	198.8	203.9	213.3
48.5°	178.4	184.0	193.0	198.5	197.3	198.5	193.0	184.0	178.4	184.0	193.0
49°	159.8	165.1	173.4	179.4	179.7	179.4	173.4	165.1	159.8	165.1	173.4
49.5°	142.6	146.7	154.5	161.3	162.2	161.3	154.5	146.7	142.6	146.7	154.5
50°	126.1	129.8	136.3	143.6	145.0	143.6	136.3	129.8	126.1	129.8	136.3
50.5°	110.7	113.6	119.1	126.6	128.3	126.6	119.1	113.6	110.7	113.6	119.1
51°	96.4	99.0	104.4	110.9	112.6	110.9	104.4	99.0	96.4	99.0	104.4
51.5°	83.5	85.7	90.3	96.1	98.8	96.1	90.3	85.7	83.5	85.7	90.3
52°	71.4	73.4	77.2	82.3	85.2	82.3	77.2	73.4	71.4	73.4	77.2
52.5°	61.3	61.7	64.6	69.5	72.2	69.5	64.6	61.7	61.3	61.7	64.6
53°	51.8	51.6	54.0	58.6	60.5	58.6	54.0	51.6	51.8	51.6	54.0
53.5°	42.6	43.1	45.0	49.2	49.9	49.2	45.0	43.1	42.6	43.1	45.0
54°	34.6	35.4	36.6	40.2	40.2	40.2	36.6	35.4	34.6	35.4	36.6
54.5°	27.8	28.3	28.8	32.0	31.7	32.0	28.8	28.3	27.8	28.3	28.8
55°	21.8	21.5	22.0	24.7	25.7	24.7	22.0	21.5	21.8	21.5	22.0
55.5°	16.0	16.0	16.7	18.4	19.9	18.4	16.7	16.0	16.0	16.0	16.7
56°	10.7	11.4	12.6	14.0	15.3	14.0	12.6	11.4	10.7	11.4	12.6
56.5°	7.3	7.5	9.2	9.9	10.9	9.9	9.2	7.5	7.3	7.5	9.2
57°	5.8	5.3	6.1	6.5	6.5	6.5	6.1	5.3	5.8	5.3	6.1
57.5°	4.6	4.1	4.4	4.8	4.4	4.8	4.4	4.1	4.6	4.1	4.4
58°	3.6	3.4	3.6	3.9	3.1	3.9	3.6	3.4	3.6	3.4	3.6
58.5°	2.4	2.7	2.9	3.1	2.7	3.1	2.9	2.7	2.4	2.7	2.9
59°	2.2	2.2	2.2	2.4	2.2	2.4	2.2	2.2	2.2	2.2	2.2
59.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
61°	1.0	1.0	1.0	1.2	1.0	1.2	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°	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
63°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
63.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
64°	0.5	0.5	0.5	0.5	0.7	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: P776090

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
73.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
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: P776090

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776090

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8
0.5°	1259.5	1260.0	1259.5	1259.5	1259.5	1259.8
1°	1259.3	1260.0	1259.3	1259.3	1259.5	1259.5
1.5°	1259.1	1259.8	1259.1	1259.1	1259.3	1259.3
2°	1258.8	1259.3	1258.8	1258.8	1258.8	1259.1
2.5°	1258.3	1259.1	1258.3	1258.3	1258.3	1258.6
3°	1257.8	1258.6	1257.8	1257.8	1257.8	1257.8
3.5°	1257.1	1257.8	1257.1	1257.4	1257.4	1257.4
4°	1256.6	1257.1	1256.6	1256.6	1256.6	1256.6
4.5°	1255.7	1256.4	1255.7	1255.7	1255.7	1255.7
5°	1254.9	1255.4	1254.9	1254.9	1254.9	1254.9
5.5°	1254.0	1254.7	1254.0	1254.0	1254.0	1254.0
6°	1252.8	1253.5	1252.8	1252.8	1252.8	1253.0
6.5°	1251.8	1252.5	1251.8	1251.8	1251.5	1251.8
7°	1250.6	1251.1	1250.6	1250.3	1250.3	1250.6
7.5°	1249.1	1249.9	1249.1	1249.1	1249.1	1249.1
8°	1247.7	1248.4	1247.7	1247.7	1247.7	1247.7
8.5°	1246.2	1246.9	1246.2	1246.0	1246.0	1246.2
9°	1244.5	1245.3	1244.5	1244.5	1244.5	1244.5
9.5°	1242.8	1243.6	1242.8	1242.6	1242.6	1242.8
10°	1240.9	1241.9	1240.9	1240.6	1240.9	1240.9
10.5°	1239.0	1239.9	1239.0	1238.7	1238.7	1239.2
11°	1237.0	1238.0	1237.0	1236.5	1236.8	1237.0
11.5°	1234.8	1235.8	1234.8	1234.4	1234.4	1234.8
12°	1232.4	1233.6	1232.4	1231.9	1232.2	1232.4
12.5°	1230.0	1231.2	1230.0	1229.3	1229.5	1230.0
13°	1227.3	1228.8	1227.3	1226.6	1227.1	1227.6
13.5°	1224.7	1226.1	1224.7	1223.9	1224.2	1224.7
14°	1221.8	1223.2	1221.8	1220.8	1221.3	1222.0
14.5°	1218.6	1220.3	1218.6	1217.9	1218.4	1218.9
15°	1215.5	1217.2	1215.5	1214.5	1215.0	1215.7
15.5°	1212.1	1213.8	1212.1	1211.1	1211.6	1212.3
16°	1208.7	1210.4	1208.7	1207.5	1208.2	1208.9
16.5°	1205.1	1206.8	1205.1	1203.8	1204.3	1205.3
17°	1201.2	1202.9	1201.2	1200.0	1200.5	1201.4
17.5°	1197.1	1199.0	1197.1	1195.9	1196.6	1197.3
18°	1193.0	1194.6	1193.0	1191.5	1192.2	1193.2
18.5°	1188.6	1190.3	1188.6	1187.1	1187.9	1188.6
19°	1184.0	1185.7	1184.0	1182.5	1183.3	1184.2
19.5°	1179.2	1181.1	1179.2	1177.7	1178.7	1179.4
20°	1174.3	1176.0	1174.3	1172.9	1173.6	1174.5
20.5°	1169.2	1170.9	1169.2	1167.8	1168.5	1169.2
21°	1163.9	1165.3	1163.9	1162.4	1163.2	1163.9

TEST NUMBER: P776090

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1146.5	1147.9	1146.5	1145.3	1145.5	1146.2
23°	1140.4	1141.4	1140.4	1139.0	1139.2	1139.7
23.5°	1133.9	1134.8	1133.9	1132.7	1132.7	1132.9
24°	1126.9	1128.1	1126.9	1126.1	1125.9	1126.1
24.5°	1119.8	1120.8	1119.8	1119.1	1118.9	1118.9
25°	1112.3	1113.3	1112.3	1111.8	1111.4	1111.1
25.5°	1104.1	1105.1	1104.1	1104.1	1103.4	1103.1
26°	1095.6	1096.6	1095.6	1095.6	1094.9	1094.4
26.5°	1086.7	1087.1	1086.7	1087.1	1086.2	1085.4
27°	1077.0	1077.5	1077.0	1077.7	1076.7	1075.8
27.5°	1066.8	1066.8	1066.8	1067.8	1066.8	1065.6
28°	1055.9	1055.2	1055.9	1057.4	1056.2	1054.7
28.5°	1044.5	1043.3	1044.5	1046.2	1045.0	1043.3
29°	1032.7	1031.0	1032.7	1034.4	1033.1	1031.5
29.5°	1020.1	1017.9	1020.1	1022.0	1020.8	1018.9
30°	1006.5	1004.3	1006.5	1008.7	1007.2	1005.8
30.5°	992.5	990.1	992.5	994.9	993.7	992.2
31°	978.2	975.5	978.2	980.4	979.2	977.9
31.5°	962.7	960.3	962.7	965.1	963.9	963.2
32°	946.7	944.8	946.7	949.1	947.9	947.9
32.5°	930.0	928.6	930.0	932.4	931.7	931.9
33°	912.8	912.3	912.8	915.2	914.5	915.5
33.5°	895.1	894.9	895.1	897.3	897.1	898.8
34°	876.5	877.7	876.5	878.9	878.9	880.9
34.5°	857.4	859.5	857.4	859.8	860.3	862.5
35°	838.2	840.7	838.2	839.9	840.9	843.3
35.5°	818.6	821.3	818.6	819.6	821.3	823.2
36°	798.0	801.2	798.0	798.5	801.0	802.4
36.5°	777.0	780.6	777.0	776.7	779.6	780.9
37°	755.4	758.8	755.4	754.2	757.6	758.3
37.5°	732.9	736.1	732.9	730.7	734.9	735.1
38°	709.7	712.8	709.7	706.5	711.1	711.4
38.5°	685.7	688.8	685.7	681.3	686.4	686.7
39°	661.5	664.4	661.5	655.9	660.8	661.5
39.5°	636.3	639.2	636.3	630.0	634.4	635.6
40°	610.2	613.3	610.2	603.6	607.3	608.2
40.5°	583.8	586.4	583.8	577.5	579.9	581.1
41°	557.4	559.8	557.4	552.0	552.5	553.3
41.5°	531.0	533.2	531.0	526.6	524.9	525.7
42°	504.3	507.0	504.3	501.4	497.8	497.6
42.5°	478.4	480.9	478.4	476.0	470.9	469.7
43°	452.8	454.5	452.8	450.6	444.3	441.9
43.5°	427.4	428.3	427.4	425.2	417.9	414.5



TEST NUMBER: P776090

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	353.0	352.3	353.0	350.1	340.4	335.6
45.5°	329.8	327.8	329.8	325.9	315.7	310.6
46°	306.8	303.9	306.8	302.9	292.2	286.2
46.5°	283.5	280.9	283.5	279.9	269.2	263.9
47°	261.3	258.3	261.3	257.1	246.7	241.6
47.5°	239.2	237.0	239.2	234.6	224.9	220.1
48°	218.4	216.9	218.4	213.3	203.9	198.8
48.5°	198.5	197.3	198.5	193.0	184.0	178.4
49°	179.4	179.7	179.4	173.4	165.1	159.8
49.5°	161.3	162.2	161.3	154.5	146.7	142.6
50°	143.6	145.0	143.6	136.3	129.8	126.1
50.5°	126.6	128.3	126.6	119.1	113.6	110.7
51°	110.9	112.6	110.9	104.4	99.0	96.4
51.5°	96.1	98.8	96.1	90.3	85.7	83.5
52°	82.3	85.2	82.3	77.2	73.4	71.4
52.5°	69.5	72.2	69.5	64.6	61.7	61.3
53°	58.6	60.5	58.6	54.0	51.6	51.8
53.5°	49.2	49.9	49.2	45.0	43.1	42.6
54°	40.2	40.2	40.2	36.6	35.4	34.6
54.5°	32.0	31.7	32.0	28.8	28.3	27.8
55°	24.7	25.7	24.7	22.0	21.5	21.8
55.5°	18.4	19.9	18.4	16.7	16.0	16.0
56°	14.0	15.3	14.0	12.6	11.4	10.7
56.5°	9.9	10.9	9.9	9.2	7.5	7.3
57°	6.5	6.5	6.5	6.1	5.3	5.8
57.5°	4.8	4.4	4.8	4.4	4.1	4.6
58°	3.9	3.1	3.9	3.6	3.4	3.6
58.5°	3.1	2.7	3.1	2.9	2.7	2.4
59°	2.4	2.2	2.4	2.2	2.2	2.2
59.5°	1.7	1.7	1.7	1.7	1.7	1.7
60°	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.2	1.2	1.2	1.2	1.2	1.2
61°	1.2	1.0	1.2	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	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7
63°	0.7	0.7	0.7	0.7	0.7	0.7
63.5°	0.7	0.7	0.7	0.7	0.7	0.7
64°	0.5	0.7	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: P776090

CATALOG NUMBER: HCDJBL1525CSD-HCD6TRMB-2500lm-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.0
73.5°	0.2	0.2	0.2	0.2	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: P776090

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-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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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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





21.5°	1158.3	1157.4	1156.9	1158.3	1159.8	1158.3	1156.9	1157.4	1158.3	1157.4	1156.9
22°	1152.3	1151.8	1151.1	1152.5	1153.7	1152.5	1151.1	1151.8	1152.3	1151.8	1151.1



44°	387.4	391.8	399.7	402.2	402.7	402.2	399.7	391.8	387.4	391.8	399.7
44.5°	361.3	365.9	374.8	377.5	377.2	377.5	374.8	365.9	361.3	365.9	374.8



66.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	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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Scaled Data Report





21.5°	1158.3	1159.8	1158.3	1156.9	1157.4	1158.3
22°	1152.5	1153.7	1152.5	1151.1	1151.8	1152.3



44°	402.2	402.7	402.2	399.7	391.8	387.4
44.5°	377.5	377.2	377.5	374.8	365.9	361.3

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Peachtree City, GA 30269

Scaled Data Report



66.5°	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.5	0.5	0.5	0.5	0.2	0.2

Signify Classified - Internal  
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1121 Highway 74 South  
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)