

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P775966

Luminaire Tested: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B051)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K
Description: 4 INCH ROUND NARROW MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

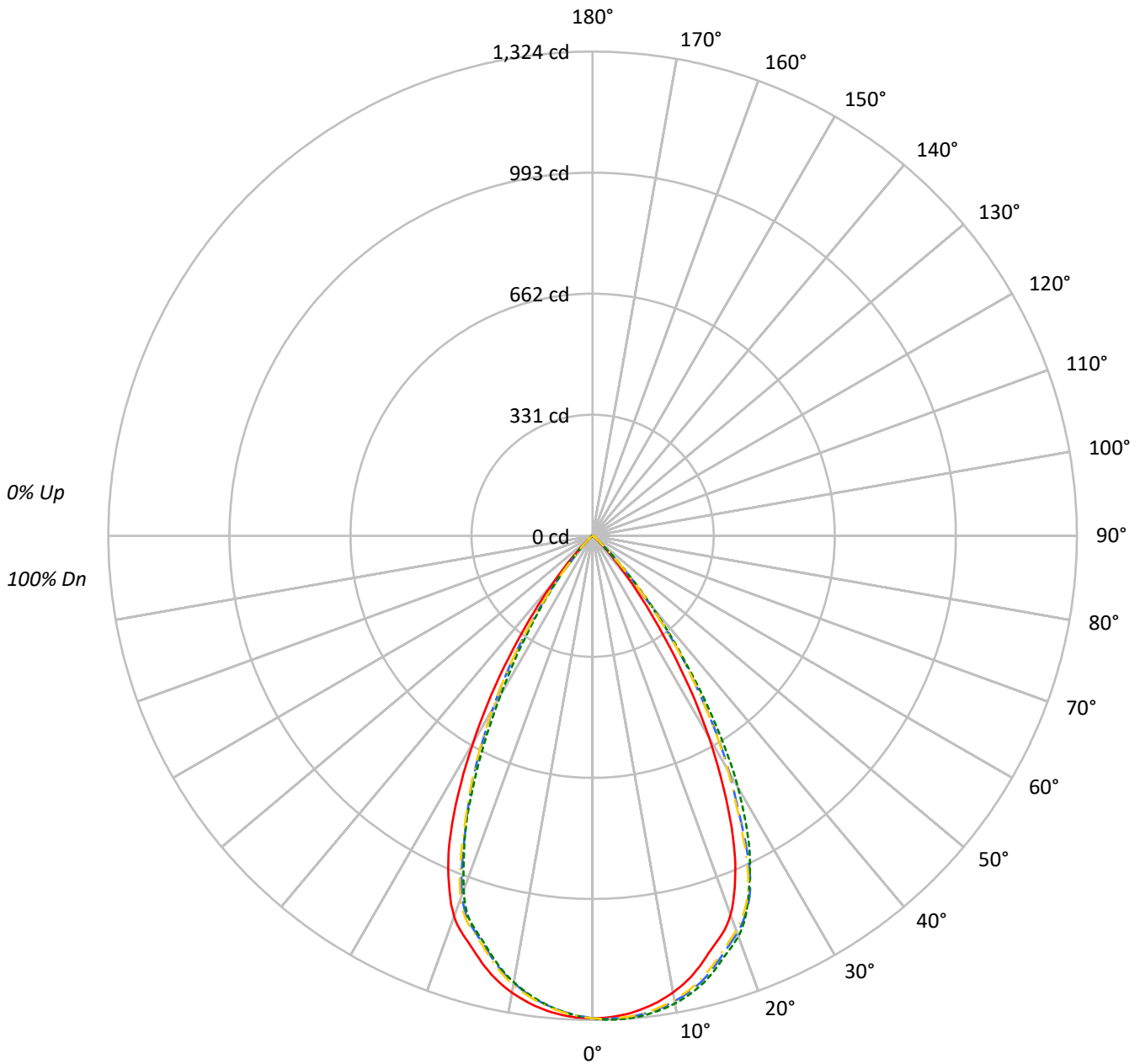
Lumens per Lamp: N/A
Luminaire Lumens: 1165.0 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P775966
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

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	100	100	100	100		
	1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94	94	94		
	2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88	88	88		
	3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82	82	82	82	82	82		
	4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76	76	76	76	76	76		
	5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71	71	71	71	71	71		
	6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67	67	67	67	67	67		
	7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63	63	63	63	63	63		
	8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59	59	59	59	59	59		
	9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55	55	55		
	10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52	52	52	52	52	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	166034	166034	166034	166034
5°	165089	167022	165139	163434
10°	162014	165924	162103	158448
15°	155631	162093	156047	149937
20°	147708	156105	148270	137985
25°	126043	141290	128543	109352
30°	92423	115514	94937	73124
35°	54602	77232	58458	41666
40°	25053	41186	27928	18942
45°	7724	14007	8828	5535
50°	2467	2800	2506	2134
55°	1514	1733	1514	1295
60°	931	1057	982	881
65°	655	655	655	596
70°	442	442	442	368
75°	243	340	243	243
80°	145	145	145	145
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 14630 cd/sqm



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	10.6
10°-20°	335.9	28.8
20°-30°	407.7	35.0
30°-40°	240.2	20.6
40°-50°	48.3	4.1
50°-60°	6.6	0.6
60°-70°	2.2	0.2
70°-80°	0.6	0.1
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°	867.0	74.4
0°-40°	1107.2	95.0
0°-60°	1162.1	99.7
0°-90°	1165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1165.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1319	1319	1319	1319	1319	
5°	1307	1322	1307	1294	1307	124
15°	1194	1244	1198	1151	1194	336
25°	908	1018	926	788	908	407
35°	355	503	380	271	355	226
45°	43	79	50	31	43	42
55°	7	8	7	6	7	7
65°	2	2	2	2	2	2
75°	0	1	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
0.5°	1319.6	1320.3	1319.6	1319.1	1321.8	1320.8	1320.1	1319.8	1319.6	1319.3	1317.4
1°	1319.1	1320.3	1320.3	1320.1	1322.8	1321.8	1320.8	1320.1	1319.3	1318.4	1315.6
1.5°	1318.6	1320.3	1321.1	1321.1	1323.5	1322.5	1321.1	1319.8	1318.6	1317.1	1313.9
2°	1317.6	1319.8	1321.3	1321.6	1324.0	1323.0	1321.3	1319.6	1317.9	1315.9	1311.7
2.5°	1316.4	1319.3	1321.3	1321.8	1324.5	1323.3	1321.1	1319.1	1316.6	1314.2	1309.2
3°	1314.9	1318.4	1321.1	1322.1	1324.5	1323.3	1320.8	1318.1	1315.4	1312.2	1306.8
3.5°	1313.4	1317.4	1320.8	1321.8	1324.3	1322.8	1320.1	1317.1	1313.7	1310.0	1304.0
4°	1311.4	1315.9	1320.1	1321.3	1323.8	1322.3	1319.3	1315.6	1311.7	1307.5	1300.8
4.5°	1309.2	1314.4	1319.3	1320.8	1323.0	1321.6	1318.1	1314.2	1309.7	1305.0	1297.4
5°	1306.8	1312.4	1318.1	1319.8	1322.1	1320.3	1316.9	1312.4	1307.2	1302.1	1293.7
5.5°	1304.0	1310.5	1316.6	1318.8	1320.8	1319.1	1315.1	1310.5	1304.5	1298.9	1290.0
6°	1301.1	1308.0	1314.9	1317.4	1319.3	1317.4	1313.2	1308.0	1301.6	1295.4	1285.8
6.5°	1297.9	1305.5	1312.9	1315.6	1317.9	1315.6	1310.9	1305.3	1298.4	1291.4	1281.3
7°	1294.7	1302.6	1310.7	1313.7	1315.6	1313.4	1308.7	1302.3	1295.2	1287.5	1276.4
7.5°	1290.7	1299.3	1308.2	1311.7	1313.4	1310.9	1306.3	1299.3	1291.4	1283.1	1271.5
8°	1286.8	1295.9	1305.8	1309.2	1310.9	1308.5	1303.0	1295.9	1287.3	1278.6	1266.3
8.5°	1282.3	1292.2	1302.6	1306.5	1308.2	1305.5	1299.8	1292.2	1283.1	1273.9	1260.6
9°	1277.9	1288.2	1299.3	1303.5	1305.3	1302.6	1296.4	1288.2	1278.6	1268.7	1254.9
9.5°	1272.9	1283.8	1295.9	1300.3	1302.1	1299.1	1292.7	1284.0	1273.7	1263.6	1248.5
10°	1267.8	1279.4	1292.2	1296.9	1298.4	1295.6	1288.7	1279.6	1268.5	1257.6	1242.1
10.5°	1262.1	1274.4	1288.2	1293.2	1294.7	1291.4	1284.5	1274.7	1263.1	1251.7	1235.4
11°	1256.7	1269.5	1283.8	1289.0	1290.5	1287.3	1279.9	1269.5	1257.6	1245.3	1228.3
11.5°	1250.5	1264.1	1279.1	1284.8	1286.0	1282.6	1274.9	1264.1	1251.5	1238.6	1220.4
12°	1243.8	1258.1	1274.2	1280.3	1281.3	1277.9	1269.7	1258.4	1245.1	1231.5	1212.2
12.5°	1236.7	1251.7	1269.0	1275.2	1276.4	1272.4	1264.1	1252.2	1238.1	1223.8	1203.6
13°	1229.0	1245.3	1263.1	1270.0	1270.7	1267.0	1258.1	1245.8	1231.0	1215.9	1194.5
13.5°	1220.9	1237.9	1257.4	1264.3	1264.8	1260.8	1251.7	1238.6	1223.1	1207.5	1185.1
14°	1212.5	1230.5	1251.0	1258.1	1258.6	1254.4	1244.8	1231.2	1214.9	1198.4	1175.0
14.5°	1203.6	1222.3	1244.1	1251.5	1251.5	1247.0	1237.6	1223.3	1206.6	1189.0	1165.3
15°	1194.5	1213.7	1236.7	1244.3	1244.1	1239.9	1229.8	1215.2	1197.7	1179.7	1155.7
15.5°	1185.3	1204.8	1228.8	1236.7	1236.7	1232.0	1221.6	1206.6	1188.5	1170.3	1147.1
16°	1176.7	1196.2	1220.4	1228.8	1228.5	1223.8	1213.2	1197.7	1179.4	1161.1	1138.7
16.5°	1168.8	1187.6	1211.7	1220.4	1219.9	1215.4	1204.6	1189.0	1171.0	1152.8	1130.3
17°	1160.7	1179.7	1203.1	1212.2	1211.7	1207.0	1195.9	1180.6	1162.9	1144.9	1121.9
17.5°	1153.0	1171.8	1195.0	1203.8	1203.8	1199.2	1187.8	1172.7	1155.0	1136.7	1113.5
18°	1145.1	1164.1	1186.8	1196.2	1196.7	1191.5	1180.4	1164.8	1146.8	1128.3	1103.6
18.5°	1136.7	1156.0	1179.2	1188.8	1189.0	1184.1	1172.3	1156.5	1138.4	1119.4	1092.3
19°	1126.8	1148.1	1171.3	1181.1	1181.6	1176.4	1164.4	1148.8	1129.3	1109.1	1078.5
19.5°	1115.5	1139.2	1163.6	1173.2	1174.2	1168.8	1156.5	1139.9	1118.9	1096.7	1062.7
20°	1102.9	1129.1	1155.5	1165.8	1165.6	1160.4	1148.1	1130.5	1107.1	1082.7	1044.2
20.5°	1088.3	1117.7	1147.1	1157.2	1155.7	1151.0	1138.9	1120.2	1093.5	1067.1	1023.4
21°	1072.5	1105.6	1137.7	1147.6	1144.4	1140.2	1129.1	1108.6	1079.2	1049.6	999.5



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1018.0	1060.0	1104.6	1111.5	1103.1	1101.4	1093.8	1066.9	1027.6	986.7	922.3
23°	998.3	1041.9	1091.1	1097.2	1086.9	1085.6	1080.0	1050.3	1009.6	963.0	896.8
23.5°	978.0	1022.9	1076.0	1081.2	1069.3	1068.6	1063.7	1031.8	990.1	938.3	871.7
24°	955.6	1002.7	1059.2	1063.4	1052.1	1051.3	1045.9	1012.3	969.9	913.4	848.0
24.5°	932.1	981.2	1040.2	1045.2	1035.0	1032.3	1025.4	992.1	948.4	888.4	824.0
25°	907.7	959.0	1017.8	1025.4	1017.5	1013.6	1003.7	970.4	925.7	864.8	800.1
25.5°	881.8	935.3	993.8	1006.2	1000.0	994.8	978.8	947.2	901.0	841.3	775.9
26°	855.4	909.7	966.4	985.4	981.5	975.6	951.6	922.5	875.6	818.4	751.2
26.5°	828.0	882.0	937.3	964.2	961.7	954.1	922.7	896.3	849.0	794.7	725.8
27°	800.6	853.4	907.0	941.3	940.8	931.9	894.9	868.7	822.5	770.7	699.6
27.5°	773.4	823.3	877.1	918.1	917.3	908.4	866.5	839.8	794.7	746.5	672.3
28°	746.5	792.4	848.0	892.1	893.4	884.2	839.3	809.0	766.5	721.6	645.4
28.5°	719.4	761.8	820.8	865.7	868.5	857.6	812.7	779.4	739.6	695.9	618.9
29°	691.5	731.7	794.9	837.6	844.5	830.2	788.7	750.2	710.5	669.0	593.8
29.5°	663.9	701.1	770.5	809.0	819.8	801.8	763.8	721.9	681.6	640.4	568.9
30°	636.0	672.7	745.8	779.6	794.9	773.7	739.4	694.5	653.3	612.5	544.2
30.5°	608.1	643.4	721.1	751.7	768.3	745.3	714.7	666.8	625.6	584.2	520.2
31°	579.0	615.2	694.7	724.1	741.4	718.2	689.3	639.7	597.0	556.5	496.0
31.5°	550.3	586.6	667.8	696.7	712.0	691.0	661.9	612.5	568.9	529.1	471.9
32°	521.5	559.0	639.7	670.3	682.4	664.6	634.2	585.1	541.0	503.0	447.4
32.5°	492.6	532.1	611.1	644.9	652.0	637.5	606.4	557.3	514.1	477.3	421.5
33°	463.7	505.4	581.9	618.7	621.7	611.3	578.5	528.6	486.2	452.1	396.1
33.5°	435.1	478.8	553.8	592.3	591.8	583.9	550.8	501.2	459.0	426.7	371.2
34°	407.2	453.6	527.1	565.4	561.9	557.3	524.7	474.8	432.4	400.8	347.0
34.5°	380.5	428.2	501.7	538.5	532.3	529.4	500.2	448.9	406.5	374.9	322.8
35°	355.4	403.3	476.1	510.6	502.7	502.2	474.8	424.0	380.5	349.0	299.8
35.5°	331.2	379.6	451.9	483.0	474.1	475.8	450.6	399.8	355.9	323.8	277.6
36°	307.7	357.4	427.7	455.6	446.2	449.2	425.7	377.1	331.9	298.9	256.2
36.5°	284.8	335.1	403.5	429.7	418.6	422.3	400.5	354.6	309.0	275.2	234.9
37°	263.1	312.7	378.6	404.0	392.1	395.9	374.9	332.7	285.5	252.2	213.7
37.5°	242.6	291.2	354.1	379.3	367.0	369.9	349.5	310.7	264.6	232.2	192.5
38°	222.6	269.5	329.2	354.9	342.5	344.8	324.5	289.5	244.1	212.5	171.5
38.5°	203.4	248.3	305.3	330.0	318.9	319.6	300.3	268.3	225.6	192.5	152.0
39°	185.6	227.5	282.8	306.5	295.7	295.7	276.7	247.3	207.1	172.8	134.0
39.5°	168.6	207.6	261.1	283.1	272.9	272.0	254.7	227.5	188.5	156.5	117.5
40°	152.5	188.5	241.1	259.9	250.7	249.5	235.2	208.0	170.0	139.7	102.9
40.5°	137.5	170.3	221.1	237.2	230.7	228.3	215.7	188.5	153.5	124.4	90.1
41°	123.1	153.0	202.4	214.7	210.8	207.3	196.2	169.1	138.4	110.1	79.0
41.5°	110.3	137.2	183.9	193.7	190.8	186.3	176.7	151.8	123.9	96.7	69.3
42°	98.2	122.4	165.6	173.7	170.8	165.1	157.2	135.7	110.6	84.6	61.5
42.5°	87.1	108.6	147.8	155.2	153.7	146.8	139.4	120.2	98.2	74.3	54.5
43°	78.2	95.5	130.1	137.7	136.7	129.6	122.2	105.9	86.9	64.9	47.9
43.5°	69.6	84.6	113.5	121.4	121.4	113.8	106.1	93.0	76.3	56.8	42.2



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	43.4	55.8	73.8	82.2	78.7	74.0	66.9	59.7	49.6	37.5	28.1
45.5°	37.3	46.4	63.7	72.1	66.6	63.4	56.5	51.1	42.4	32.3	25.2
46°	31.6	39.2	53.8	61.9	56.3	53.8	47.9	42.9	35.8	27.6	22.5
46.5°	26.4	32.8	43.7	51.8	46.9	45.4	40.2	36.3	30.1	24.9	19.5
47°	22.2	27.1	36.8	42.0	38.7	37.8	33.6	30.1	26.9	22.0	16.8
47.5°	18.5	22.5	30.4	34.8	31.8	31.3	30.4	26.9	23.7	19.2	13.8
48°	16.0	18.5	25.2	28.6	28.4	27.9	27.1	23.7	20.5	16.5	12.8
48.5°	14.6	16.0	20.7	23.2	24.7	24.7	23.9	20.7	17.3	13.8	12.3
49°	13.8	14.6	17.5	19.0	21.2	21.2	20.7	17.5	14.1	13.1	11.8
49.5°	13.1	13.8	15.5	16.3	17.8	17.8	17.3	14.6	13.3	12.3	11.4
50°	12.6	13.1	14.3	14.8	14.3	14.6	14.1	13.6	12.8	11.8	10.6
50.5°	11.8	12.6	13.6	13.8	13.6	13.8	13.6	13.1	12.1	11.4	10.1
51°	11.4	11.8	13.1	13.3	13.1	13.1	12.8	12.3	11.6	10.6	9.4
51.5°	10.6	11.4	12.3	12.6	12.3	12.3	12.1	11.6	10.9	10.1	8.9
52°	10.1	10.6	11.8	12.1	11.8	11.8	11.6	10.9	10.1	9.4	8.4
52.5°	9.4	9.9	11.1	11.4	11.1	11.1	10.9	10.4	9.6	8.9	7.9
53°	8.9	9.4	10.4	10.6	10.4	10.4	10.1	9.6	8.9	8.4	7.4
53.5°	8.4	8.6	9.6	9.9	9.6	9.6	9.4	9.1	8.4	7.9	6.9
54°	7.9	8.1	9.1	9.4	9.1	9.1	8.9	8.4	7.9	7.4	6.7
54.5°	7.4	7.7	8.6	8.9	8.4	8.4	8.4	7.9	7.4	6.9	6.2
55°	6.9	7.4	7.9	8.1	7.9	7.9	7.9	7.4	6.9	6.7	5.9
55.5°	6.4	6.9	7.4	7.7	7.4	7.4	7.4	6.9	6.7	6.2	5.4
56°	6.2	6.4	6.9	7.2	6.9	6.9	6.9	6.7	6.2	5.9	5.2
56.5°	5.7	5.9	6.7	6.7	6.7	6.7	6.4	6.2	5.9	5.4	4.9
57°	5.4	5.7	6.2	6.4	6.2	6.2	6.2	5.9	5.4	5.2	4.7
57.5°	4.9	5.2	5.7	5.9	5.7	5.7	5.7	5.4	5.2	4.9	4.4
58°	4.7	4.9	5.4	5.7	5.4	5.4	5.4	5.2	4.9	4.7	4.2
58.5°	4.4	4.7	5.2	5.2	5.2	5.2	4.9	4.9	4.7	4.4	3.9
59°	4.2	4.4	4.7	4.9	4.7	4.7	4.7	4.7	4.4	4.2	3.7
59.5°	3.9	4.2	4.4	4.7	4.4	4.4	4.4	4.2	4.2	3.9	3.5
60°	3.7	3.9	4.2	4.4	4.2	4.2	4.2	3.9	3.9	3.7	3.2
60.5°	3.5	3.7	3.9	4.2	3.9	3.9	3.9	3.7	3.7	3.5	3.2
61°	3.5	3.5	3.7	3.9	3.7	3.7	3.7	3.7	3.5	3.2	3.0
61.5°	3.2	3.2	3.5	3.7	3.5	3.5	3.5	3.5	3.2	3.0	2.7
62°	3.0	3.0	3.5	3.5	3.5	3.5	3.2	3.2	3.0	3.0	2.7
62.5°	2.7	3.0	3.2	3.2	3.2	3.2	3.2	3.0	3.0	2.7	2.5
63°	2.7	2.7	3.0	3.0	3.0	3.0	3.0	3.0	2.7	2.7	2.5
63.5°	2.5	2.5	2.7	3.0	2.7	2.7	2.7	2.7	2.5	2.5	2.2
64°	2.5	2.5	2.7	2.7	2.7	2.7	2.7	2.5	2.5	2.2	2.2
64.5°	2.2	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.2	2.0
65°	2.2	2.2	2.5	2.5	2.2	2.2	2.2	2.2	2.2	2.0	2.0
65.5°	2.0	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.0	2.0	1.7
66°	2.0	2.0	2.0	2.2	2.0	2.0	2.0	2.0	2.0	1.7	1.7



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5
68°	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.2
68.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2
69°	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2
69.5°	1.2	1.2	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0
70.5°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0
71°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0
71.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72°	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7
72.5°	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
73°	0.7	0.7	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7
73.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
74°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
74.5°	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5
75°	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5
75.5°	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5
76°	0.5	0.5	0.5	0.5	0.5	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	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°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2
78°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2
78.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
79°	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
79.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
81°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
81.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
82.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
83°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	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: P775966
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

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: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
0.5°	1316.1	1318.8	1318.1	1318.1	1318.6	1319.6
1°	1314.2	1317.1	1316.6	1316.6	1317.9	1319.1
1.5°	1312.2	1315.1	1314.6	1315.1	1316.6	1318.6
2°	1309.7	1312.7	1312.4	1313.2	1315.1	1317.6
2.5°	1307.0	1310.2	1310.0	1310.9	1313.4	1316.4
3°	1304.3	1307.5	1307.2	1308.7	1311.4	1314.9
3.5°	1301.1	1304.3	1304.3	1306.0	1309.5	1313.4
4°	1297.6	1301.1	1301.1	1303.0	1306.8	1311.4
4.5°	1294.2	1297.4	1297.6	1299.8	1304.0	1309.2
5°	1290.0	1293.7	1293.9	1296.6	1301.1	1306.8
5.5°	1286.0	1289.5	1289.7	1292.9	1298.1	1304.0
6°	1281.3	1285.0	1285.5	1289.0	1294.4	1301.1
6.5°	1276.9	1280.3	1281.1	1284.5	1290.7	1297.9
7°	1271.7	1275.4	1276.1	1280.3	1286.8	1294.7
7.5°	1266.3	1270.2	1271.2	1275.4	1282.3	1290.7
8°	1260.8	1264.5	1265.8	1270.2	1277.9	1286.8
8.5°	1254.9	1258.9	1260.1	1264.8	1272.9	1282.3
9°	1248.8	1252.7	1254.2	1259.4	1267.8	1277.9
9.5°	1242.6	1246.5	1248.0	1253.2	1262.3	1272.9
10°	1235.7	1239.9	1241.4	1247.3	1256.7	1267.8
10.5°	1228.8	1232.7	1234.4	1240.6	1250.5	1262.1
11°	1220.9	1225.3	1227.3	1233.5	1243.8	1256.7
11.5°	1213.0	1217.2	1219.1	1225.8	1236.9	1250.5
12°	1204.6	1209.0	1210.7	1217.9	1229.5	1243.8
12.5°	1195.4	1199.9	1201.6	1208.8	1221.4	1236.7
13°	1186.1	1190.3	1192.0	1199.9	1213.2	1229.0
13.5°	1176.2	1180.6	1182.6	1190.5	1204.1	1220.9
14°	1165.8	1170.5	1172.5	1180.6	1195.0	1212.5
14.5°	1156.0	1160.4	1162.4	1171.0	1185.3	1203.6
15°	1146.8	1150.8	1152.8	1160.9	1176.0	1194.5
15.5°	1138.2	1141.9	1144.1	1152.0	1166.6	1185.3
16°	1129.6	1133.5	1135.7	1143.6	1158.2	1176.7
16.5°	1120.9	1125.1	1127.1	1135.5	1150.3	1168.8
17°	1112.5	1116.7	1118.7	1127.3	1142.4	1160.7
17.5°	1103.4	1107.8	1110.1	1119.2	1134.2	1153.0
18°	1091.6	1097.7	1100.2	1110.3	1126.1	1145.1
18.5°	1078.2	1084.1	1087.4	1099.9	1116.7	1136.7
19°	1062.9	1069.1	1073.5	1087.4	1105.6	1126.8
19.5°	1045.4	1051.1	1056.8	1072.8	1092.8	1115.5
20°	1025.7	1030.3	1038.0	1055.3	1078.0	1102.9
20.5°	1004.2	1008.4	1017.0	1036.0	1060.7	1088.3
21°	981.5	985.4	994.6	1014.1	1041.5	1072.5



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	904.5	917.1	920.0	937.6	972.6	1018.0
23°	877.6	894.4	894.4	910.7	946.7	998.3
23.5°	850.4	869.7	868.2	884.0	922.0	978.0
24°	824.5	843.8	840.8	857.6	897.3	955.6
24.5°	797.6	816.4	813.4	832.9	873.6	932.1
25°	771.5	787.5	786.5	807.2	850.7	907.7
25.5°	746.0	759.4	759.4	782.6	827.7	881.8
26°	720.9	730.0	731.5	757.6	804.3	855.4
26.5°	694.7	701.9	704.1	733.2	780.3	828.0
27°	668.8	672.3	677.4	707.1	755.2	800.6
27.5°	642.4	643.4	650.8	680.6	729.0	773.4
28°	616.7	615.0	623.9	653.3	700.9	746.5
28.5°	590.6	586.1	598.5	625.9	672.7	719.4
29°	564.4	557.0	571.8	598.7	642.9	691.5
29.5°	538.2	529.9	545.9	573.0	615.5	663.9
30°	512.3	503.2	519.2	546.9	586.9	636.0
30.5°	485.9	476.8	492.8	521.5	560.2	608.1
31°	460.3	451.6	465.0	496.3	533.6	579.0
31.5°	434.3	427.9	438.3	472.6	507.6	550.3
32°	409.4	404.2	412.9	448.7	482.0	521.5
32.5°	384.5	381.3	388.4	424.7	457.5	492.6
33°	361.1	358.1	365.0	399.8	432.1	463.7
33.5°	337.6	334.6	342.5	375.4	406.2	435.1
34°	315.2	312.7	320.3	351.2	379.8	407.2
34.5°	293.7	291.5	299.1	326.7	354.4	380.5
35°	272.5	271.2	277.9	303.3	328.5	355.4
35.5°	251.7	252.0	258.4	280.6	303.3	331.2
36°	233.7	234.5	238.6	258.6	279.1	307.7
36.5°	215.9	216.9	219.6	237.4	256.2	284.8
37°	197.9	200.6	201.6	216.7	234.5	263.1
37.5°	180.2	184.6	184.6	196.4	213.7	242.6
38°	162.1	168.8	168.8	176.7	194.0	222.6
38.5°	147.6	154.2	153.5	157.9	175.0	203.4
39°	133.0	140.4	139.4	140.4	157.2	185.6
39.5°	119.4	127.3	126.1	123.9	140.4	168.6
40°	106.4	115.3	113.5	108.3	123.9	152.5
40.5°	95.0	103.4	101.4	95.0	109.3	137.5
41°	83.7	92.8	90.1	84.2	95.8	123.1
41.5°	73.8	83.9	81.4	75.8	83.9	110.3
42°	64.7	75.3	72.8	67.4	75.5	98.2
42.5°	56.8	66.6	64.4	59.2	67.1	87.1
43°	49.6	58.0	55.8	50.8	58.7	78.2
43.5°	43.2	49.4	47.1	44.9	50.3	69.6



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	28.6	31.1	30.1	30.1	33.6	43.4
45.5°	25.2	26.2	25.4	26.2	29.4	37.3
46°	21.5	21.7	21.7	22.5	25.2	31.6
46.5°	18.0	18.0	18.3	19.2	21.5	26.4
47°	14.6	15.5	15.5	16.5	18.3	22.2
47.5°	13.3	14.1	14.1	14.8	16.0	18.5
48°	12.6	13.1	13.3	13.8	14.6	16.0
48.5°	12.1	12.6	12.6	13.1	13.6	14.6
49°	11.6	12.1	12.1	12.6	13.1	13.8
49.5°	10.9	11.4	11.6	11.8	12.6	13.1
50°	10.4	10.9	10.9	11.4	11.8	12.6
50.5°	9.6	10.1	10.4	10.6	11.4	11.8
51°	9.1	9.6	9.6	10.1	10.6	11.4
51.5°	8.6	9.1	9.1	9.4	10.1	10.6
52°	8.1	8.4	8.6	8.9	9.4	10.1
52.5°	7.7	7.9	8.1	8.4	8.9	9.4
53°	7.2	7.4	7.7	7.9	8.4	8.9
53.5°	6.9	7.2	7.2	7.4	7.9	8.4
54°	6.4	6.7	6.7	7.2	7.4	7.9
54.5°	6.2	6.2	6.4	6.7	6.9	7.4
55°	5.7	5.9	5.9	6.2	6.7	6.9
55.5°	5.4	5.7	5.7	5.9	6.2	6.4
56°	5.2	5.2	5.4	5.7	5.9	6.2
56.5°	4.7	4.9	4.9	5.2	5.4	5.7
57°	4.4	4.7	4.7	4.9	5.2	5.4
57.5°	4.2	4.4	4.4	4.7	4.9	4.9
58°	3.9	4.2	4.2	4.4	4.7	4.7
58.5°	3.9	3.9	3.9	4.2	4.4	4.4
59°	3.7	3.7	3.7	3.9	4.2	4.2
59.5°	3.5	3.5	3.7	3.7	3.9	3.9
60°	3.2	3.5	3.5	3.5	3.7	3.7
60.5°	3.0	3.2	3.2	3.2	3.5	3.5
61°	3.0	3.0	3.0	3.2	3.2	3.5
61.5°	2.7	2.7	3.0	3.0	3.0	3.2
62°	2.7	2.7	2.7	2.7	3.0	3.0
62.5°	2.5	2.5	2.5	2.7	2.7	2.7
63°	2.2	2.5	2.5	2.5	2.5	2.7
63.5°	2.2	2.2	2.2	2.5	2.5	2.5
64°	2.0	2.2	2.2	2.2	2.2	2.5
64.5°	2.0	2.0	2.0	2.0	2.2	2.2
65°	2.0	2.0	2.0	2.0	2.0	2.2
65.5°	1.7	1.7	1.7	2.0	2.0	2.0
66°	1.7	1.7	1.7	1.7	1.7	2.0



TEST NUMBER: P775966

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.5	1.5	1.5	1.5	1.5	1.5
68°	1.2	1.5	1.5	1.5	1.5	1.5
68.5°	1.2	1.2	1.2	1.2	1.2	1.5
69°	1.2	1.2	1.2	1.2	1.2	1.2
69.5°	1.0	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.0	1.2	1.2
70.5°	1.0	1.0	1.0	1.0	1.0	1.0
71°	1.0	1.0	1.0	1.0	1.0	1.0
71.5°	1.0	1.0	1.0	1.0	1.0	1.0
72°	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7
73°	0.7	0.7	0.7	0.7	0.7	0.7
73.5°	0.7	0.7	0.7	0.7	0.7	0.7
74°	0.7	0.7	0.7	0.7	0.7	0.7
74.5°	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5
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	0.5	0.5	0.5	0.5
77.5°	0.2	0.5	0.5	0.5	0.2	0.2
78°	0.2	0.2	0.2	0.2	0.2	0.2
78.5°	0.2	0.2	0.2	0.2	0.2	0.2
79°	0.2	0.2	0.2	0.2	0.2	0.2
79.5°	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2
80.5°	0.2	0.2	0.2	0.2	0.2	0.2
81°	0.2	0.2	0.2	0.2	0.2	0.2
81.5°	0.2	0.2	0.2	0.2	0.0	0.0
82°	0.2	0.2	0.2	0.2	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: P775966
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMB-2500lm-3000K

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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





21.5°	1055.3	1091.8	1127.6	1136.5	1132.0	1128.6	1118.2	1096.0	1062.9	1030.1	974.6
22°	1036.8	1076.5	1116.2	1124.9	1118.2	1115.5	1106.9	1082.4	1045.6	1009.1	948.4



44°	61.0	75.0	98.0	106.4	105.9	99.0	91.6	80.7	66.4	49.6	37.3
44.5°	52.1	65.4	83.9	92.3	91.8	85.9	78.5	69.6	57.5	43.2	32.6



66.5°	1.7	1.7	2.0	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.5
67°	1.7	1.7	2.0	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.5



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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





21.5°	957.3	962.5	970.9	989.9	1020.2	1055.3
22°	931.9	939.3	945.9	964.5	996.8	1036.8



44°	37.5	42.7	40.7	39.5	44.2	61.0
44.5°	32.1	36.8	35.3	34.8	38.7	52.1



66.5°	1.5	1.7	1.7	1.7	1.7	1.7
67°	1.5	1.5	1.5	1.5	1.7	1.7

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)