

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: P776066

Luminaire Tested: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776066
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-3000K
Description: 6 INCH ROUND NARROW MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

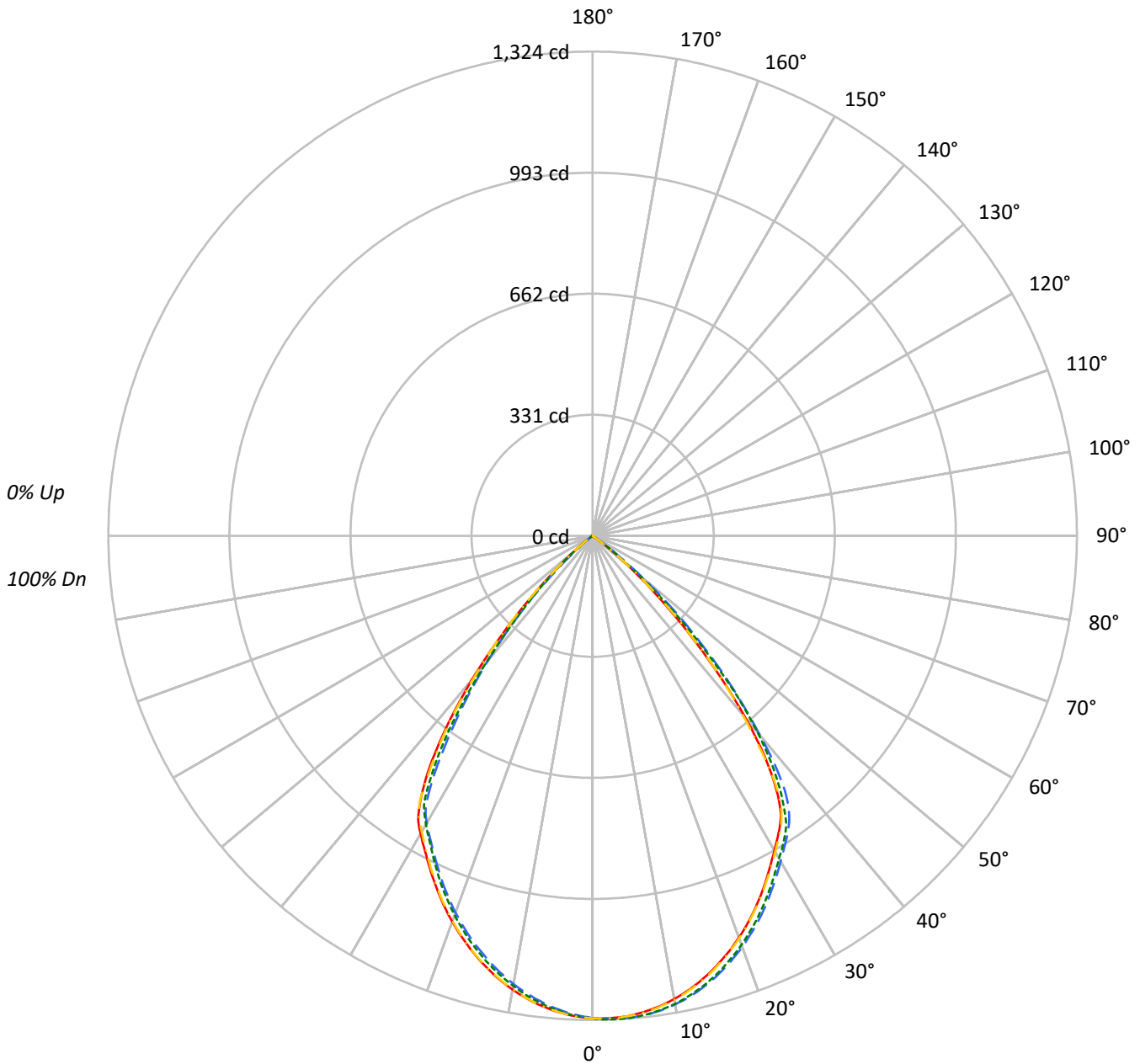
Lumens per Lamp: N/A
Luminaire Lumens: 1722.9 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (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: P776066
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	113	110	107	105	111	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85								
3	101	94	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77								
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	75	72	71								
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65								
6	84	74	67	63	82	73	67	62	72	66	62	70	65	62	69	64	61	60								
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55								
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	56	52	51								
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47								
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72330	72330	72330	72330
5°	72320	72700	71582	71329
10°	71586	72332	70145	69593
15°	70193	71221	68076	67248
20°	68203	69446	65520	64411
25°	65695	67111	62477	60995
30°	62927	64542	59566	57686
35°	59548	61201	52274	49356
40°	46587	50144	36576	32425
45°	27406	31639	18475	16211
50°	10797	13049	5399	5416
55°	1587	2055	449	545
60°	351	384	329	274
65°	259	259	221	195
70°	192	192	160	160
75°	148	148	106	106
80°	63	63	63	63
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 34988 cd/sqm



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	7.2
10°-20°	342.7	19.9
20°-30°	487.2	28.3
30°-40°	503.1	29.2
40°-50°	240.4	14.0
50°-60°	23.2	1.3
60°-70°	1.9	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°	953.6	55.3
0°-40°	1456.6	84.5
0°-60°	1720.3	99.8
0°-90°	1722.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1722.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1319	1319	1319	1319	1319	
5°	1314	1321	1301	1296	1314	125
15°	1237	1255	1200	1185	1237	348
25°	1086	1110	1033	1008	1086	499
35°	890	914	781	738	890	539
45°	354	408	238	209	354	277
55°	17	22	5	6	17	30
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	



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4
0.5°	1319.6	1319.6	1319.9	1319.4	1321.4	1320.9	1320.1	1319.9	1318.4	1317.7	1316.7
1°	1320.1	1320.4	1320.9	1320.6	1322.3	1321.4	1320.6	1319.6	1317.4	1316.2	1315.2
1.5°	1320.1	1320.9	1321.6	1321.6	1322.8	1321.9	1320.9	1319.1	1315.9	1314.4	1313.0
2°	1320.1	1321.4	1322.3	1322.6	1323.6	1322.3	1320.6	1318.1	1314.7	1312.5	1310.7
2.5°	1319.6	1321.4	1322.8	1323.1	1323.6	1322.3	1320.4	1316.9	1313.0	1310.5	1308.3
3°	1318.9	1321.4	1322.8	1323.3	1323.6	1322.1	1319.6	1315.9	1311.0	1308.0	1305.5
3.5°	1318.1	1320.9	1322.8	1323.6	1323.3	1321.6	1318.9	1314.4	1309.0	1305.5	1302.6
4°	1317.2	1320.1	1322.3	1323.3	1322.8	1321.1	1317.9	1312.5	1306.5	1302.6	1299.4
4.5°	1315.9	1319.1	1321.9	1323.1	1322.3	1320.1	1316.7	1310.5	1304.1	1299.4	1296.2
5°	1314.2	1317.9	1321.1	1322.3	1321.1	1318.9	1315.2	1308.3	1300.8	1296.2	1292.7
5.5°	1312.5	1316.9	1320.4	1321.6	1319.9	1317.7	1313.5	1306.0	1297.6	1292.4	1288.7
6°	1310.5	1315.4	1319.1	1320.4	1318.6	1316.2	1311.5	1303.8	1294.4	1289.0	1284.5
6.5°	1308.0	1313.7	1317.7	1319.4	1316.9	1314.2	1309.5	1300.8	1291.0	1285.0	1280.1
7°	1305.5	1311.5	1315.9	1317.9	1315.2	1312.2	1307.0	1297.9	1287.3	1280.6	1275.6
7.5°	1302.8	1309.2	1313.9	1316.2	1313.0	1310.0	1304.6	1294.7	1283.3	1276.1	1270.9
8°	1300.1	1306.8	1312.0	1314.4	1311.0	1307.5	1301.6	1291.2	1278.8	1271.7	1266.2
8.5°	1296.9	1304.1	1309.5	1312.0	1308.3	1304.8	1298.6	1287.5	1274.4	1266.7	1261.1
9°	1293.4	1301.3	1307.0	1309.7	1305.5	1302.1	1295.2	1283.3	1270.2	1261.8	1255.9
9.5°	1290.0	1298.1	1304.3	1307.0	1302.6	1298.6	1291.7	1279.3	1265.3	1256.6	1250.2
10°	1286.0	1294.7	1301.1	1304.1	1299.4	1295.4	1288.0	1274.6	1260.1	1251.2	1244.7
10.5°	1282.1	1291.0	1297.9	1301.1	1295.9	1291.9	1284.0	1270.2	1254.9	1245.2	1238.8
11°	1277.9	1287.3	1294.7	1297.6	1292.2	1288.0	1279.8	1265.5	1249.4	1239.5	1232.6
11.5°	1273.7	1283.3	1290.7	1294.2	1288.2	1283.8	1275.6	1260.6	1244.0	1233.6	1226.2
12°	1269.0	1278.8	1287.0	1290.5	1284.0	1279.8	1270.9	1255.4	1238.1	1227.7	1220.0
12.5°	1263.8	1274.4	1282.8	1286.5	1279.8	1275.4	1266.0	1249.9	1232.1	1221.3	1213.1
13°	1258.8	1269.7	1278.4	1282.3	1275.1	1270.9	1261.1	1244.5	1226.0	1214.6	1206.7
13.5°	1253.6	1265.0	1273.7	1278.1	1270.4	1265.7	1256.1	1238.3	1219.3	1208.2	1199.8
14°	1248.2	1260.1	1269.0	1273.2	1265.5	1260.8	1250.4	1232.6	1212.9	1201.2	1192.6
14.5°	1242.5	1254.9	1263.8	1268.5	1260.1	1255.1	1244.7	1226.4	1206.2	1194.3	1185.2
15°	1236.8	1249.4	1258.8	1263.3	1254.9	1249.4	1239.1	1219.8	1199.5	1187.1	1177.8
15.5°	1230.9	1243.5	1253.6	1257.8	1249.4	1243.5	1232.9	1213.3	1192.6	1179.7	1170.6
16°	1224.5	1237.6	1247.7	1252.4	1243.5	1237.6	1226.7	1206.7	1185.2	1172.3	1162.9
16.5°	1218.0	1231.6	1241.8	1246.7	1237.6	1231.6	1220.5	1199.8	1178.0	1164.4	1155.3
17°	1211.6	1225.5	1235.6	1241.0	1231.1	1225.5	1213.8	1192.8	1170.6	1157.0	1147.1
17.5°	1204.9	1219.0	1229.7	1234.9	1224.7	1218.8	1207.2	1185.9	1162.9	1149.3	1139.0
18°	1198.3	1212.4	1223.2	1228.4	1218.0	1212.1	1200.2	1178.5	1155.3	1141.2	1130.5
18.5°	1191.4	1205.4	1216.6	1222.0	1211.4	1204.9	1192.8	1171.1	1147.4	1133.0	1122.4
19°	1183.7	1198.8	1210.1	1215.6	1204.5	1198.3	1185.9	1163.4	1139.4	1124.6	1114.0
19.5°	1176.5	1191.8	1203.2	1208.7	1197.5	1190.9	1178.7	1155.8	1131.3	1116.5	1105.1
20°	1169.1	1184.7	1196.3	1201.7	1190.4	1183.7	1171.3	1147.6	1123.1	1107.8	1096.2
20.5°	1161.4	1177.3	1189.1	1194.6	1182.9	1176.0	1163.7	1139.9	1114.5	1098.9	1087.3
21°	1154.0	1169.8	1181.7	1187.4	1175.0	1168.6	1155.8	1131.5	1105.8	1090.3	1078.1



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1129.6	1146.4	1158.7	1164.2	1151.6	1144.9	1131.5	1106.3	1079.4	1062.8	1050.5
23°	1121.2	1137.7	1150.8	1156.5	1143.4	1136.7	1123.1	1097.7	1070.0	1053.4	1040.6
23.5°	1112.5	1129.6	1142.7	1148.1	1135.0	1128.3	1114.7	1088.8	1060.8	1044.0	1030.9
24°	1103.6	1120.9	1134.5	1140.4	1126.6	1119.9	1106.1	1079.9	1051.5	1034.6	1021.1
24.5°	1095.0	1112.8	1126.1	1132.0	1117.9	1111.3	1097.4	1071.0	1042.3	1024.8	1011.4
25°	1086.1	1103.9	1117.7	1123.4	1109.5	1102.6	1088.5	1061.8	1032.9	1015.4	1001.3
25.5°	1076.9	1095.0	1108.8	1114.7	1100.6	1093.7	1079.6	1052.7	1023.3	1005.5	991.4
26°	1068.0	1086.6	1100.1	1106.1	1092.0	1084.8	1070.7	1043.3	1013.9	995.8	981.5
26.5°	1058.6	1077.7	1091.2	1097.4	1083.1	1075.7	1061.6	1034.2	1004.5	986.0	972.1
27°	1049.5	1068.8	1082.3	1088.5	1074.2	1066.8	1052.4	1024.8	994.6	976.6	962.2
27.5°	1040.1	1059.4	1073.5	1079.4	1065.0	1057.6	1043.3	1015.1	985.5	967.2	952.8
28°	1030.9	1050.2	1064.3	1070.5	1055.7	1048.7	1033.9	1006.0	976.3	958.3	943.4
28.5°	1021.3	1041.1	1055.4	1061.1	1046.3	1039.3	1024.8	997.1	967.7	949.1	934.8
29°	1011.9	1031.9	1046.3	1052.2	1037.4	1030.2	1015.9	987.9	958.8	940.0	925.4
29.5°	1003.0	1022.8	1037.1	1043.3	1028.5	1021.3	1007.2	979.3	949.6	930.8	916.3
30°	994.1	1013.9	1028.2	1034.2	1019.6	1012.6	998.3	970.4	941.0	921.9	907.1
30.5°	985.2	1005.0	1019.3	1025.3	1010.9	1003.8	989.9	962.0	932.1	912.5	897.0
31°	976.6	996.6	1010.9	1016.6	1002.8	995.3	981.3	953.3	922.7	902.7	886.6
31.5°	967.7	987.9	1002.3	1008.2	994.1	986.9	972.9	944.4	912.8	890.5	873.2
32°	959.0	979.3	993.6	999.5	985.7	978.5	964.2	935.0	898.5	874.2	855.2
32.5°	950.4	970.6	985.5	991.4	977.1	970.1	955.3	924.9	882.4	855.2	834.4
33°	941.2	962.0	976.8	982.5	968.2	960.5	945.7	912.8	864.3	833.5	810.7
33.5°	931.3	953.1	968.2	974.3	958.0	950.9	935.3	898.0	845.1	810.2	786.2
34°	920.7	943.2	958.5	964.9	946.2	939.5	923.7	881.4	825.3	785.5	760.0
34.5°	906.4	932.6	948.6	954.8	931.1	926.1	910.8	862.6	803.8	761.3	734.1
35°	889.8	920.0	937.0	942.2	914.5	910.3	896.0	843.1	781.1	736.8	707.4
35.5°	871.8	905.9	924.4	927.4	896.7	893.0	879.2	822.1	757.3	712.1	681.9
36°	851.7	888.8	909.1	910.6	878.9	874.2	859.7	799.8	731.4	688.1	654.7
36.5°	831.7	870.5	892.5	892.5	859.9	853.7	836.7	775.9	704.9	664.1	628.8
37°	809.7	849.3	873.2	873.5	840.6	832.2	810.5	751.1	677.5	638.2	602.6
37.5°	786.5	826.5	851.7	854.2	819.9	809.0	782.3	724.2	651.0	612.5	576.6
38°	761.5	800.8	826.5	833.7	798.8	785.0	751.9	696.0	623.4	585.0	549.7
38.5°	735.3	773.9	800.6	811.9	775.4	759.8	722.7	666.1	595.7	557.9	522.5
39°	707.9	744.5	772.2	789.2	751.6	732.9	693.6	637.0	567.5	529.4	495.8
39.5°	680.0	715.6	742.2	764.7	726.4	705.4	666.1	605.8	540.1	501.8	469.4
40°	651.0	685.4	712.8	739.8	700.7	676.0	638.4	574.9	511.1	473.8	442.4
40.5°	621.6	654.3	683.7	713.8	673.8	646.8	612.0	544.3	483.0	447.6	416.5
41°	590.5	623.1	655.0	686.1	647.3	618.2	584.6	514.1	454.3	420.4	390.8
41.5°	559.6	594.2	627.1	658.0	618.9	589.7	556.9	484.0	425.4	394.7	365.6
42°	528.0	565.0	598.6	628.3	590.2	561.8	528.2	455.0	396.0	368.5	340.4
42.5°	497.5	535.9	571.2	599.4	559.8	534.1	498.8	426.9	367.3	342.6	315.1
43°	467.1	506.7	542.8	569.5	529.7	506.2	470.1	399.2	339.1	316.1	290.7
43.5°	438.2	478.0	514.9	540.3	498.5	478.5	442.2	371.7	312.2	290.9	266.9



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	353.5	392.5	429.3	451.3	408.1	394.5	361.4	296.1	238.3	219.7	200.5
45.5°	327.5	365.1	402.6	422.9	378.2	367.0	335.2	272.4	216.0	197.0	178.2
46°	301.1	338.6	375.4	394.2	349.7	340.1	309.5	250.6	193.8	174.0	156.0
46.5°	275.3	313.4	349.5	366.6	321.3	313.9	284.5	228.9	171.5	151.3	136.9
47°	250.6	289.2	323.5	339.1	294.1	287.7	259.0	207.1	152.7	132.2	118.6
47.5°	226.9	265.5	298.3	311.9	267.7	262.2	236.8	185.4	134.7	113.9	102.1
48°	204.4	242.5	273.6	285.2	244.7	238.3	214.5	163.6	117.9	96.6	87.0
48.5°	182.9	220.5	248.7	259.5	221.7	214.3	192.3	144.1	102.6	81.8	73.4
49°	162.6	199.0	224.9	234.1	198.7	190.3	170.3	126.1	88.2	68.5	61.3
49.5°	143.9	178.5	201.9	210.6	175.7	166.3	151.3	109.7	75.4	56.6	50.9
50°	126.6	158.7	179.7	187.6	153.0	144.6	131.7	93.9	63.3	46.7	41.8
50.5°	110.5	139.4	158.9	165.6	133.0	124.6	113.7	79.6	52.6	38.6	34.4
51°	95.2	121.1	138.2	145.3	114.7	105.5	96.6	67.0	43.0	33.1	29.4
51.5°	82.1	103.6	119.1	125.6	97.9	89.0	81.3	55.4	37.1	27.4	24.5
52°	70.9	87.7	101.8	107.8	81.8	73.7	66.0	45.0	31.1	22.0	19.5
52.5°	59.8	76.1	85.0	90.7	67.2	59.8	52.9	38.6	25.2	16.6	14.6
53°	48.7	64.3	73.2	78.4	53.9	48.0	41.5	32.1	19.3	11.1	9.6
53.5°	37.6	52.4	61.3	66.0	42.3	38.1	34.9	26.0	13.3	8.2	6.9
54°	29.7	40.5	49.4	53.9	35.3	31.6	28.2	19.8	7.4	5.9	5.2
54.5°	22.5	28.9	37.6	41.5	28.4	25.5	21.8	13.3	5.4	4.7	4.4
55°	16.6	21.0	25.7	29.4	21.5	19.3	15.1	7.2	4.7	4.2	4.2
55.5°	11.4	15.1	18.5	21.5	14.3	13.1	8.4	5.2	4.2	4.2	4.0
56°	7.7	10.1	12.6	15.1	7.4	6.9	5.9	4.4	4.2	4.0	3.7
56.5°	6.7	8.9	8.4	9.9	5.4	5.2	4.7	4.2	4.0	3.7	3.7
57°	5.7	7.7	7.4	8.4	4.7	4.4	4.4	4.2	3.7	3.7	3.5
57.5°	4.7	6.4	6.2	6.9	4.4	4.2	4.2	4.0	3.7	3.5	3.2
58°	4.0	5.2	5.2	5.7	4.2	4.2	4.0	3.7	3.5	3.2	3.2
58.5°	3.7	4.0	4.2	4.2	4.0	4.0	4.0	3.7	3.2	3.2	3.0
59°	3.5	3.7	4.0	4.0	3.7	3.7	3.7	3.5	3.2	3.0	3.0
59.5°	3.5	3.7	3.7	4.0	3.7	3.7	3.5	3.2	3.0	3.0	2.7
60°	3.2	3.5	3.7	3.7	3.5	3.5	3.5	3.2	3.0	2.7	2.7
60.5°	3.0	3.2	3.5	3.5	3.2	3.2	3.2	3.0	2.7	2.7	2.5
61°	3.0	3.2	3.2	3.5	3.2	3.2	3.0	2.7	2.5	2.5	2.5
61.5°	2.7	3.0	3.2	3.2	3.0	3.0	3.0	2.7	2.5	2.5	2.2
62°	2.7	2.7	3.0	3.0	2.7	2.7	2.7	2.5	2.2	2.2	2.2
62.5°	2.5	2.7	2.7	3.0	2.7	2.7	2.7	2.5	2.2	2.2	2.0
63°	2.5	2.5	2.7	2.7	2.5	2.5	2.5	2.2	2.2	2.0	2.0
63.5°	2.2	2.5	2.5	2.7	2.5	2.5	2.5	2.2	2.0	2.0	2.0
64°	2.2	2.2	2.5	2.5	2.2	2.2	2.2	2.0	2.0	2.0	1.7
64.5°	2.0	2.2	2.2	2.5	2.2	2.2	2.2	2.0	1.7	1.7	1.7
65°	2.0	2.0	2.2	2.2	2.0	2.0	2.0	2.0	1.7	1.7	1.7
65.5°	1.7	2.0	2.0	2.2	2.0	2.0	2.0	1.7	1.7	1.7	1.5
66°	1.7	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.5	1.5	1.5



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-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	1.5	1.7	1.7	1.7	1.7	1.5	1.5	1.2	1.2	1.2
68°	1.5	1.5	1.7	1.7	1.5	1.5	1.5	1.5	1.2	1.2	1.2
68.5°	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2
69°	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.0
69.5°	1.2	1.2	1.5	1.5	1.2	1.2	1.2	1.2	1.0	1.0	1.0
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0
70.5°	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0
71°	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.0
71.5°	1.0	1.0	1.2	1.2	1.0	1.0	1.0	1.0	0.7	0.7	0.7
72°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
72.5°	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7
73°	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7
73.5°	0.7	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
74°	0.7	0.7	0.7	1.0	0.7	0.7	0.7	0.7	0.7	0.5	0.5
74.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5
75.5°	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5
76°	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5
76.5°	0.5	0.5	0.7	0.7	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	0.2	0.5
78°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2
78.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2
79°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
79.5°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80.5°	0.2	0.2	0.2	0.5	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
83°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
83.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
84°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.2	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: P776066
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-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: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4
0.5°	1316.2	1318.9	1318.6	1318.6	1319.6	1319.6
1°	1314.2	1317.2	1317.2	1317.7	1319.1	1320.1
1.5°	1312.0	1315.4	1315.4	1316.4	1318.4	1320.1
2°	1309.5	1313.5	1313.7	1314.9	1317.7	1320.1
2.5°	1306.8	1311.0	1311.5	1313.0	1316.7	1319.6
3°	1304.1	1308.5	1309.2	1311.0	1315.2	1318.9
3.5°	1300.8	1305.8	1306.5	1308.8	1313.5	1318.1
4°	1297.4	1302.8	1303.8	1306.3	1311.7	1317.2
4.5°	1293.9	1299.6	1300.8	1303.6	1309.7	1315.9
5°	1290.5	1296.2	1297.6	1300.6	1307.5	1314.2
5.5°	1286.3	1292.7	1294.2	1297.6	1304.8	1312.5
6°	1282.1	1288.7	1290.2	1294.2	1302.1	1310.5
6.5°	1277.6	1284.8	1286.5	1290.5	1299.4	1308.0
7°	1273.2	1280.6	1282.6	1286.8	1296.2	1305.5
7.5°	1268.2	1276.1	1278.1	1282.8	1292.7	1302.8
8°	1263.0	1271.4	1273.7	1278.4	1289.0	1300.1
8.5°	1257.8	1266.2	1268.7	1274.2	1285.3	1296.9
9°	1252.2	1261.1	1263.8	1269.5	1281.3	1293.4
9.5°	1246.5	1255.9	1258.6	1264.3	1277.1	1290.0
10°	1241.0	1250.2	1253.1	1259.3	1272.4	1286.0
10.5°	1234.9	1244.7	1247.7	1253.9	1267.7	1282.1
11°	1228.7	1238.6	1241.8	1248.7	1262.5	1277.9
11.5°	1222.2	1232.6	1235.8	1243.0	1257.8	1273.7
12°	1215.6	1226.4	1229.7	1237.1	1252.6	1269.0
12.5°	1208.9	1219.8	1223.5	1230.9	1247.0	1263.8
13°	1202.0	1213.3	1217.1	1224.7	1241.0	1258.8
13.5°	1194.8	1206.4	1210.4	1218.3	1235.6	1253.6
14°	1187.6	1199.5	1203.7	1211.9	1229.4	1248.2
14.5°	1180.5	1192.3	1196.8	1205.2	1223.5	1242.5
15°	1172.8	1184.9	1189.4	1198.3	1216.8	1236.8
15.5°	1165.2	1177.8	1182.2	1191.1	1210.4	1230.9
16°	1157.5	1170.1	1174.5	1183.9	1203.7	1224.5
16.5°	1149.3	1162.2	1166.9	1176.8	1196.8	1218.0
17°	1141.4	1154.5	1159.2	1169.4	1189.6	1211.6
17.5°	1133.0	1146.4	1151.3	1161.4	1182.5	1204.9
18°	1124.6	1138.2	1143.4	1153.8	1175.3	1198.3
18.5°	1116.5	1129.8	1135.0	1145.6	1167.6	1191.4
19°	1107.6	1121.4	1126.6	1137.5	1160.0	1183.7
19.5°	1098.7	1112.8	1118.2	1129.3	1152.3	1176.5
20°	1089.5	1104.1	1109.3	1120.9	1144.1	1169.1
20.5°	1080.6	1095.0	1100.6	1112.5	1136.2	1161.4
21°	1071.5	1085.8	1091.5	1103.6	1127.8	1154.0

TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1042.8	1057.9	1063.8	1076.7	1102.6	1129.6
23°	1032.9	1048.2	1054.4	1067.5	1093.5	1121.2
23.5°	1023.3	1038.4	1044.8	1058.1	1084.6	1112.5
24°	1013.1	1028.5	1035.1	1048.7	1075.4	1103.6
24.5°	1003.5	1018.6	1025.5	1039.1	1066.5	1095.0
25°	993.4	1008.4	1015.4	1029.2	1057.1	1086.1
25.5°	983.2	998.6	1005.7	1019.6	1047.7	1076.9
26°	973.3	988.4	995.6	1009.9	1038.4	1068.0
26.5°	963.5	978.5	985.7	1000.0	1028.7	1058.6
27°	953.6	968.4	975.8	990.2	1019.3	1049.5
27.5°	944.2	958.5	965.9	980.8	1009.7	1040.1
28°	934.8	948.6	956.0	971.1	1000.3	1030.9
28.5°	925.4	939.2	946.7	961.7	990.7	1021.3
29°	916.3	930.1	937.5	952.6	981.5	1011.9
29.5°	906.9	920.7	928.1	943.7	972.6	1003.0
30°	897.5	911.3	919.0	934.8	963.5	994.1
30.5°	887.3	901.7	909.6	925.4	954.8	985.2
31°	876.7	892.3	900.2	916.0	946.2	976.6
31.5°	861.1	882.1	890.1	906.6	937.3	967.7
32°	842.8	870.3	878.4	896.2	927.9	959.0
32.5°	822.3	853.0	862.1	883.4	918.2	950.4
33°	798.6	832.0	843.3	867.1	907.6	941.2
33.5°	773.9	809.0	822.6	846.1	892.5	931.3
34°	748.4	786.2	799.3	820.8	875.2	920.7
34.5°	723.0	762.3	774.1	795.4	855.4	906.4
35°	696.8	737.5	746.4	769.4	833.5	889.8
35.5°	669.1	712.6	718.5	744.0	811.2	871.8
36°	640.9	685.2	691.1	719.0	787.7	851.7
36.5°	612.0	657.5	662.9	694.0	762.5	831.7
37°	583.6	628.3	635.5	669.1	736.8	809.7
37.5°	554.9	599.6	608.5	642.9	710.1	786.5
38°	527.5	569.7	580.8	614.7	683.7	761.5
38.5°	500.0	541.1	553.9	586.5	656.5	735.3
39°	472.8	512.1	526.7	557.9	630.8	707.9
39.5°	445.9	483.0	499.0	529.2	604.1	680.0
40°	418.7	453.1	471.3	500.5	577.4	651.0
40.5°	391.5	424.6	443.9	474.1	548.7	621.6
41°	364.8	397.2	416.7	447.4	520.8	590.5
41.5°	339.1	370.5	390.3	421.7	491.1	559.6
42°	312.9	345.0	364.6	396.5	461.7	528.0
42.5°	288.9	319.3	339.1	370.8	432.5	497.5
43°	266.0	295.9	314.4	344.3	403.9	467.1
43.5°	245.7	272.4	290.2	318.4	375.4	438.2



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	185.4	209.1	220.5	244.4	293.6	353.5
45.5°	165.4	190.1	199.5	221.7	267.7	327.5
46°	146.6	171.8	179.7	199.7	242.7	301.1
46.5°	130.5	154.5	160.4	177.7	218.5	275.3
47°	115.4	138.7	142.6	157.0	195.0	250.6
47.5°	101.6	123.3	125.6	136.9	173.5	226.9
48°	88.2	109.0	110.0	117.4	153.2	204.4
48.5°	75.9	95.7	95.4	99.9	134.7	182.9
49°	64.8	84.0	83.3	83.5	117.4	162.6
49.5°	54.6	73.7	72.7	72.4	101.6	143.9
50°	45.5	63.5	61.8	61.5	86.8	126.6
50.5°	37.3	53.1	51.2	50.4	76.1	110.5
51°	31.6	43.0	40.3	39.5	65.5	95.2
51.5°	26.0	35.1	32.6	32.4	54.9	82.1
52°	20.5	28.2	26.2	26.2	44.0	70.9
52.5°	14.8	21.8	20.3	21.0	33.6	59.8
53°	9.1	16.1	15.3	16.3	26.7	48.7
53.5°	6.2	11.4	11.1	12.1	20.8	37.6
54°	4.7	7.7	7.7	8.7	15.6	29.7
54.5°	4.2	6.7	6.7	7.4	11.4	22.5
55°	4.0	5.7	5.7	6.2	7.9	16.6
55.5°	3.7	4.7	4.7	4.9	6.9	11.4
56°	3.7	3.7	3.7	4.0	5.9	7.7
56.5°	3.5	3.7	3.5	3.7	4.7	6.7
57°	3.2	3.5	3.5	3.5	3.7	5.7
57.5°	3.2	3.2	3.2	3.5	3.7	4.7
58°	3.0	3.2	3.2	3.2	3.5	4.0
58.5°	3.0	3.0	3.0	3.0	3.5	3.7
59°	2.7	3.0	2.7	3.0	3.2	3.5
59.5°	2.7	2.7	2.7	2.7	3.0	3.5
60°	2.5	2.5	2.5	2.5	3.0	3.2
60.5°	2.5	2.5	2.5	2.5	2.7	3.0
61°	2.2	2.2	2.2	2.2	2.5	3.0
61.5°	2.2	2.2	2.2	2.2	2.5	2.7
62°	2.0	2.2	2.0	2.2	2.2	2.7
62.5°	2.0	2.0	2.0	2.0	2.2	2.5
63°	1.7	2.0	2.0	2.0	2.0	2.5
63.5°	1.7	1.7	1.7	1.7	2.0	2.2
64°	1.7	1.7	1.7	1.7	2.0	2.2
64.5°	1.5	1.7	1.5	1.7	1.7	2.0
65°	1.5	1.5	1.5	1.5	1.7	2.0
65.5°	1.5	1.5	1.5	1.5	1.7	1.7
66°	1.5	1.5	1.5	1.5	1.5	1.7



TEST NUMBER: P776066

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.2	1.2	1.2	1.2	1.2	1.5
68°	1.2	1.2	1.0	1.2	1.2	1.5
68.5°	1.0	1.0	1.0	1.0	1.2	1.2
69°	1.0	1.0	1.0	1.0	1.2	1.2
69.5°	1.0	1.0	1.0	1.0	1.0	1.2
70°	1.0	1.0	1.0	1.0	1.0	1.2
70.5°	0.7	1.0	0.7	0.7	1.0	1.0
71°	0.7	0.7	0.7	0.7	1.0	1.0
71.5°	0.7	0.7	0.7	0.7	0.7	1.0
72°	0.7	0.7	0.7	0.7	0.7	1.0
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°	0.5	0.5	0.5	0.5	0.7	0.7
74°	0.5	0.5	0.5	0.5	0.7	0.7
74.5°	0.5	0.5	0.5	0.5	0.5	0.7
75°	0.5	0.5	0.5	0.5	0.5	0.7
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	0.2	0.2	0.5	0.5
77.5°	0.2	0.2	0.2	0.2	0.5	0.5
78°	0.2	0.2	0.2	0.2	0.2	0.5
78.5°	0.2	0.2	0.2	0.2	0.2	0.5
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	0.2	0.2
82°	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.2	0.2
83°	0.0	0.0	0.0	0.0	0.0	0.2
83.5°	0.0	0.0	0.0	0.0	0.0	0.2
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: P776066
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRMB-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°	1145.9	1161.7	1173.8	1179.7	1167.4	1160.9	1147.8	1123.1	1096.9	1081.4	1069.0
22°	1137.5	1154.0	1166.6	1172.1	1159.5	1152.8	1139.7	1114.7	1088.3	1072.2	1059.6



44°	409.3	449.1	486.2	510.4	468.6	450.6	414.7	345.8	286.2	265.5	244.9
44.5°	381.4	420.4	458.0	480.7	438.0	422.7	388.1	320.8	260.8	242.7	222.7



66.5°	1.7	1.7	2.0	2.0	1.7	1.7	1.7	1.7	1.5	1.5	1.5
67°	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.2



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°	1062.1	1076.4	1082.6	1094.7	1119.7	1145.9
22°	1052.2	1066.8	1073.2	1085.8	1111.0	1137.5



44°	225.7	250.4	266.0	292.9	348.0	409.3
44.5°	205.4	229.1	243.2	268.7	320.3	381.4

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

Scaled Data Report



66.5°	1.2	1.2	1.2	1.2	1.5	1.7
67°	1.2	1.2	1.2	1.2	1.5	1.5

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)