

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: P776189

Luminaire Tested: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B022)  
Test Lab:  
Issue Date: 2/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBS1525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K  
Description: 8 INCH ROUND MEDIUM LENSED WALLWASH KIT  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

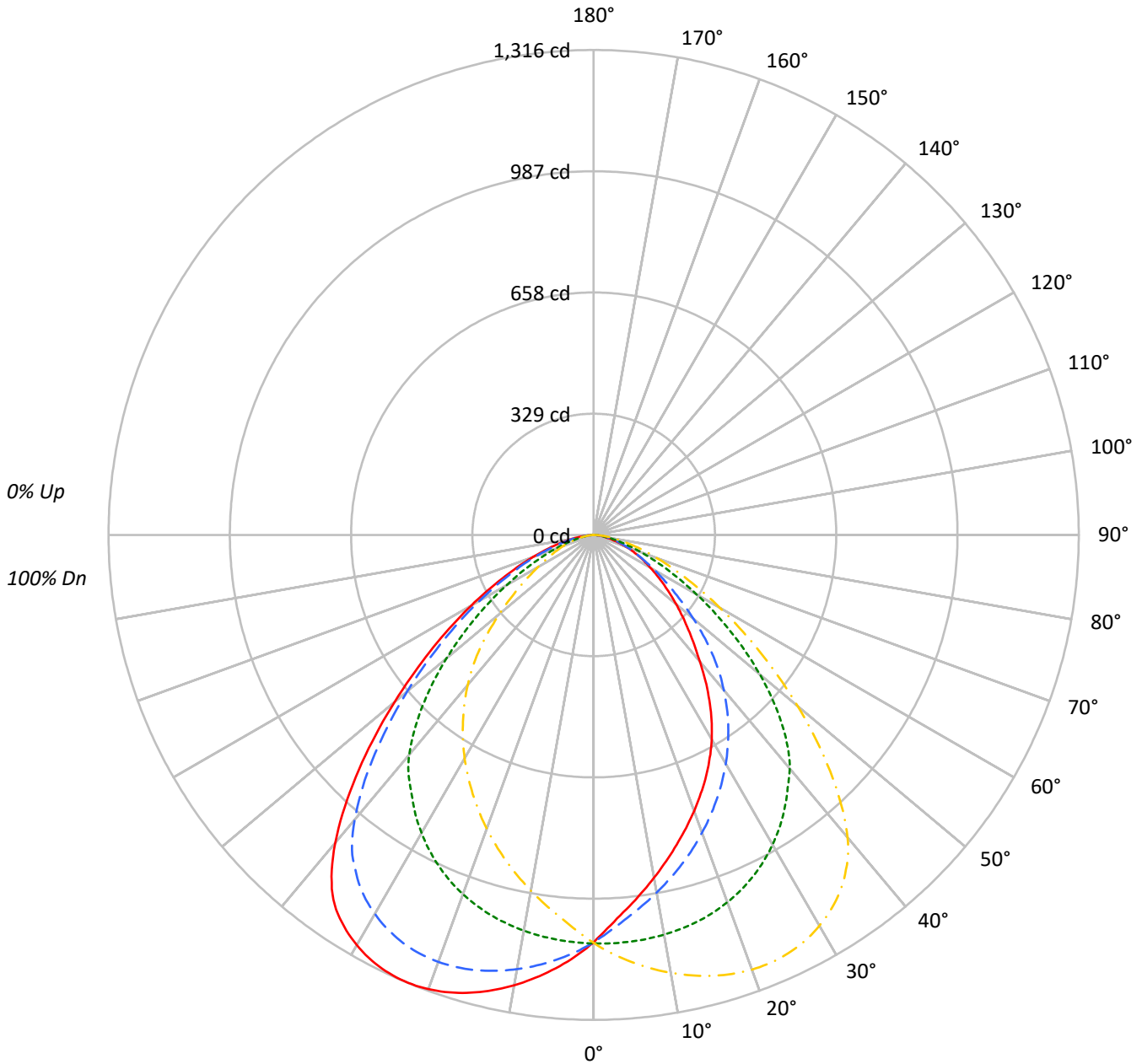
Lumens per Lamp: N/A  
Luminaire Lumens: 2586.5 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.32  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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: P776189  
CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87																			
2	102	94	89	83	99	93	87	83	89	85	81	86	82	79	83	80	77	75																			
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65																			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57																			
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50																			
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44																			
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39																			
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35																			
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32																			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29																			

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

	0°	90°	180°	270°
0°	33773	33773	33773	33773
5°	31251	33966	36173	33807
10°	29274	34142	38463	33804
15°	27505	34335	40650	33798
20°	25891	34465	42617	33702
25°	24315	34444	44213	33427
30°	22569	34210	45304	32927
35°	20398	33685	45645	32068
40°	17863	32984	43457	31031
45°	15682	31109	38876	28354
50°	13869	27942	33476	24746
55°	12242	23921	28221	20722
60°	10844	19674	23423	16706
65°	9680	15777	19151	13090
70°	8248	12238	15603	9953
75°	6606	9283	12575	7314
80°	5134	6857	9898	4940
85°	3433	4869	6340	2802

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°  
 Vertical Angle: 45°  
 Luminance: 39545 cd/sqm



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.9	4.1
10°-20°	303.9	11.8
20°-30°	465.2	18.0
30°-40°	550.9	21.3
40°-50°	505.9	19.6
50°-60°	353.8	13.7
60°-70°	198.2	7.7
70°-80°	85.6	3.3
80°-90°	18.1	0.7
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°	874.1	33.8
0°-40°	1425.0	55.1
0°-60°	2284.6	88.3
0°-90°	2586.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2586.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1106	1106	1106	1106	1106	
5°	1020	1108	1180	1103	1020	95
15°	870	1086	1286	1069	870	244
25°	722	1022	1312	992	722	331
35°	547	904	1225	860	547	340
45°	363	720	900	657	363	281
55°	230	449	530	389	230	207
65°	134	218	265	181	134	133
75°	56	79	107	62	56	61
85°	10	14	18	8	10	12
90°	0	0	0	0	0	



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2
0.5°	1095.6	1096.4	1099.2	1103.1	1109.0	1111.4	1113.7	1113.7	1113.2	1112.1	1111.4
1°	1086.8	1088.4	1093.0	1099.7	1109.0	1114.7	1119.6	1121.4	1121.7	1120.1	1117.0
1.5°	1077.8	1079.9	1086.8	1096.4	1109.3	1118.3	1125.6	1129.2	1129.7	1127.4	1122.5
2°	1068.5	1071.6	1080.4	1093.0	1109.3	1121.4	1131.2	1136.4	1137.4	1134.6	1128.1
2.5°	1059.7	1063.3	1073.9	1089.4	1109.3	1124.5	1136.9	1143.4	1144.9	1141.6	1133.3
3°	1051.2	1055.3	1067.7	1086.1	1109.3	1127.9	1142.1	1150.3	1152.4	1148.3	1138.5
3.5°	1042.9	1047.8	1061.3	1082.4	1109.0	1130.7	1147.5	1157.0	1159.6	1154.7	1143.1
4°	1035.2	1040.4	1055.3	1078.6	1108.8	1133.6	1152.7	1163.8	1166.6	1161.2	1148.0
4.5°	1027.2	1033.1	1049.1	1075.0	1108.5	1136.4	1157.8	1170.5	1173.6	1167.4	1152.7
5°	1019.7	1025.9	1043.2	1071.1	1108.3	1139.2	1162.7	1176.7	1180.3	1173.6	1157.3
5.5°	1012.0	1018.7	1037.5	1067.2	1108.0	1141.6	1167.6	1183.1	1187.0	1179.8	1161.7
6°	1004.5	1011.7	1031.6	1063.6	1107.5	1144.1	1172.3	1189.1	1193.4	1185.7	1166.1
6.5°	997.0	1004.7	1025.9	1059.7	1107.0	1146.7	1177.2	1195.3	1199.9	1191.1	1170.2
7°	989.2	997.8	1020.2	1055.8	1106.4	1149.0	1181.6	1200.9	1206.1	1196.8	1174.3
7.5°	981.8	990.8	1014.5	1052.0	1105.7	1151.4	1186.2	1206.6	1212.0	1202.5	1178.2
8°	974.3	983.6	1008.9	1048.1	1104.9	1153.4	1190.3	1212.3	1218.2	1207.9	1182.1
8.5°	966.8	976.6	1003.2	1044.2	1104.1	1155.5	1194.7	1218.0	1224.2	1213.1	1186.0
9°	959.3	969.6	997.2	1040.1	1103.3	1157.6	1198.6	1223.1	1229.8	1218.0	1189.6
9.5°	951.8	962.7	991.6	1036.2	1102.3	1159.4	1202.7	1228.3	1235.3	1223.1	1192.9
10°	944.3	955.4	985.6	1032.4	1101.3	1161.4	1206.4	1233.7	1240.7	1227.8	1196.3
10.5°	937.1	948.5	979.7	1028.5	1100.3	1163.0	1210.2	1238.4	1246.1	1232.7	1199.6
11°	929.4	941.5	973.8	1024.4	1099.0	1164.5	1214.1	1243.3	1251.3	1237.1	1202.7
11.5°	921.9	934.5	967.8	1020.2	1097.7	1166.1	1217.5	1247.9	1256.2	1241.5	1205.8
12°	914.4	927.3	961.6	1016.1	1096.4	1167.6	1220.8	1252.6	1260.8	1245.9	1208.7
12.5°	907.2	920.3	955.7	1011.7	1095.1	1168.9	1224.2	1257.2	1265.5	1249.7	1211.3
13°	899.7	913.3	949.7	1007.3	1093.5	1170.2	1227.3	1261.3	1270.1	1253.9	1213.8
13.5°	892.4	906.4	943.6	1003.2	1091.7	1171.2	1230.4	1265.2	1274.2	1257.5	1216.4
14°	885.0	899.1	937.4	998.5	1089.9	1172.0	1233.2	1269.3	1278.4	1261.1	1218.7
14.5°	877.5	892.2	931.2	994.2	1088.1	1173.1	1236.0	1273.0	1282.3	1264.4	1220.8
15°	870.2	885.0	925.0	989.2	1086.3	1173.8	1238.6	1276.6	1286.1	1267.8	1222.9
15.5°	862.8	877.7	918.8	984.9	1084.2	1174.3	1240.9	1279.9	1289.7	1270.6	1224.7
16°	855.5	870.8	912.3	980.0	1082.2	1174.9	1243.3	1283.3	1293.1	1273.5	1226.2
16.5°	848.3	863.8	905.9	975.3	1079.9	1175.1	1245.3	1286.1	1296.2	1276.3	1227.8
17°	840.8	856.6	899.7	970.1	1077.5	1175.4	1247.4	1289.0	1299.0	1278.6	1229.1
17.5°	833.6	849.6	893.0	965.0	1075.0	1175.4	1249.2	1291.5	1301.6	1281.0	1230.1
18°	826.1	842.4	886.5	959.8	1072.4	1175.4	1250.8	1293.9	1304.2	1283.0	1231.1
18.5°	818.9	835.4	879.8	954.7	1069.5	1175.1	1252.0	1296.2	1306.3	1284.6	1231.9
19°	811.6	828.2	873.3	949.2	1066.7	1174.9	1253.3	1298.3	1308.3	1286.4	1232.4
19.5°	804.1	821.2	866.6	944.1	1063.9	1174.3	1254.4	1299.8	1310.1	1287.7	1232.7
20°	796.9	813.7	859.9	938.4	1060.8	1173.6	1255.1	1301.4	1311.7	1288.7	1232.9
20.5°	789.4	806.5	853.2	933.0	1057.7	1172.5	1255.9	1302.6	1313.0	1289.5	1232.7
21°	782.2	799.2	846.2	927.3	1054.0	1171.5	1256.2	1303.7	1314.0	1290.3	1232.4



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	759.7	777.6	825.8	909.7	1043.5	1167.6	1256.4	1305.2	1315.6	1290.5	1230.4
23°	752.3	770.3	818.6	903.5	1039.6	1165.8	1255.9	1305.2	1315.3	1290.0	1229.1
23.5°	744.8	763.1	811.9	897.6	1035.5	1164.0	1255.1	1305.0	1315.0	1289.5	1227.8
24°	737.3	755.6	804.7	891.4	1031.1	1162.0	1254.4	1304.5	1314.5	1288.4	1226.0
24.5°	729.5	747.9	797.7	885.0	1026.9	1159.6	1253.3	1303.7	1313.5	1287.2	1224.2
25°	721.8	740.6	790.5	878.8	1022.5	1157.0	1251.8	1302.6	1312.5	1285.9	1222.1
25.5°	714.1	732.9	783.5	872.3	1018.2	1154.5	1250.2	1301.4	1311.2	1284.1	1219.8
26°	706.3	725.4	776.3	865.8	1013.3	1151.6	1248.4	1299.8	1309.4	1282.0	1216.9
26.5°	698.6	717.7	769.0	859.1	1008.3	1148.3	1246.4	1298.0	1307.3	1279.7	1214.1
27°	690.3	710.2	761.6	852.4	1003.4	1145.2	1244.0	1295.9	1305.2	1277.3	1211.0
27.5°	682.0	702.2	754.3	845.7	998.3	1141.6	1241.5	1293.6	1302.6	1274.5	1207.6
28°	674.0	694.4	746.8	838.7	992.9	1137.9	1238.6	1290.8	1299.8	1271.1	1204.0
28.5°	665.8	686.4	739.4	831.8	987.4	1134.1	1235.5	1287.9	1296.7	1268.1	1200.4
29°	657.3	678.4	731.9	824.8	982.0	1129.9	1232.2	1284.6	1293.1	1264.2	1196.3
29.5°	648.7	670.2	724.4	817.8	976.1	1125.6	1228.6	1281.2	1289.2	1260.3	1191.9
30°	640.2	661.9	716.6	810.9	970.4	1120.9	1224.7	1277.3	1285.1	1255.9	1187.2
30.5°	631.4	653.4	708.9	803.4	964.5	1116.3	1220.6	1273.0	1280.7	1251.5	1182.3
31°	622.4	645.1	701.1	796.1	958.3	1111.4	1216.2	1268.6	1276.1	1246.6	1177.2
31.5°	613.4	636.3	693.1	788.9	951.8	1105.9	1211.5	1263.9	1271.1	1241.5	1171.8
32°	604.1	627.8	685.4	781.2	945.6	1100.8	1206.6	1258.8	1265.7	1235.8	1166.3
32.5°	594.8	619.1	677.4	773.9	939.2	1095.1	1201.4	1253.6	1260.3	1230.1	1160.1
33°	585.8	610.0	669.4	766.2	932.5	1089.4	1196.0	1247.9	1254.1	1224.2	1153.7
33.5°	576.2	601.0	661.4	758.7	925.5	1083.2	1190.1	1241.7	1247.7	1217.2	1147.0
34°	566.9	591.9	653.1	750.7	918.5	1076.8	1183.9	1235.3	1240.9	1210.2	1139.5
34.5°	556.8	582.7	644.9	743.0	911.3	1070.3	1177.7	1228.6	1233.5	1202.0	1131.5
35°	547.3	573.1	636.6	735.0	903.8	1063.6	1170.7	1220.8	1224.7	1193.4	1123.0
35.5°	537.2	563.8	628.1	727.0	896.3	1056.1	1163.2	1212.5	1215.6	1183.6	1113.9
36°	527.7	554.3	619.6	719.0	888.6	1048.4	1155.0	1203.3	1205.3	1173.3	1105.7
36.5°	517.3	544.7	611.3	710.7	880.6	1040.6	1146.2	1192.9	1194.2	1162.7	1097.2
37°	507.5	534.9	602.5	702.7	872.8	1032.4	1137.2	1182.3	1180.8	1151.4	1087.9
37.5°	497.2	525.1	593.8	694.2	864.8	1024.9	1128.6	1170.7	1168.4	1138.2	1077.0
38°	487.4	515.0	585.0	686.4	857.6	1017.4	1119.1	1157.8	1153.7	1124.3	1064.9
38.5°	476.8	505.2	576.2	678.2	850.1	1010.4	1108.5	1144.1	1139.2	1109.8	1051.7
39°	467.3	495.1	567.4	670.2	842.6	1002.2	1096.6	1130.2	1123.5	1094.6	1038.3
39.5°	457.4	485.1	558.4	662.2	835.4	993.1	1084.5	1115.2	1107.5	1078.8	1023.8
40°	448.2	475.0	549.4	654.2	827.6	983.0	1071.1	1099.2	1090.4	1062.3	1008.9
40.5°	438.3	464.9	540.1	645.9	819.1	971.4	1056.9	1083.2	1072.9	1045.3	993.1
41°	429.6	455.1	530.8	637.6	809.8	959.8	1042.2	1065.9	1055.1	1027.7	977.4
41.5°	420.5	445.3	521.7	629.1	800.0	947.4	1026.9	1048.6	1036.5	1009.9	960.8
42°	412.3	435.5	512.4	620.3	789.7	934.3	1011.2	1030.6	1017.9	991.8	944.1
42.5°	403.8	426.2	503.1	611.3	779.1	921.4	994.9	1012.0	999.1	973.0	927.3
43°	395.2	417.2	493.6	601.8	767.7	907.7	977.9	993.4	979.7	954.7	910.3
43.5°	387.0	408.1	484.0	591.9	756.4	893.5	960.6	974.3	960.1	935.0	892.4



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	363.2	382.6	454.4	561.5	720.5	848.8	907.7	915.9	900.4	877.5	839.0
45.5°	356.0	374.3	444.5	551.4	707.9	833.6	889.1	896.6	880.8	858.1	820.9
46°	348.2	366.1	434.2	540.6	695.5	817.6	871.0	876.7	860.7	838.7	802.9
46.5°	340.8	358.1	423.9	529.5	682.8	801.6	852.7	857.1	840.8	819.1	784.8
47°	333.5	350.3	413.6	518.6	669.7	785.3	833.8	836.9	820.7	799.8	766.7
47.5°	326.3	342.3	403.0	507.3	656.2	769.0	815.0	817.3	801.3	780.7	748.4
48°	319.3	334.8	392.4	496.2	642.8	752.5	796.7	798.2	781.7	761.8	730.6
48.5°	312.4	327.3	382.3	485.1	629.4	736.0	777.8	778.6	762.6	742.7	712.8
49°	305.7	319.9	372.0	473.5	616.0	719.5	759.2	759.5	742.5	724.1	695.2
49.5°	298.7	312.6	362.2	462.1	602.0	702.7	740.9	739.9	723.6	705.0	677.7
50°	292.0	305.4	352.1	450.7	588.3	686.2	722.6	720.8	704.8	686.7	659.8
50.5°	285.3	298.4	342.3	439.1	574.1	669.7	703.7	701.9	686.2	668.4	642.5
51°	278.8	291.2	333.0	427.5	560.2	652.6	685.4	683.1	667.6	650.5	625.2
51.5°	272.6	284.5	323.7	415.6	546.5	636.6	667.8	665.0	649.3	632.7	608.7
52°	266.2	277.5	314.4	404.3	532.3	620.1	650.0	646.7	631.7	615.2	591.7
52.5°	260.0	270.8	305.7	392.7	518.4	603.3	632.0	628.3	613.4	597.9	574.9
53°	253.8	264.1	296.6	381.0	504.4	587.0	614.4	610.8	596.6	581.1	558.6
53.5°	247.8	257.6	287.8	369.7	490.5	571.0	597.1	593.5	578.8	564.1	542.6
54°	241.6	251.2	279.1	358.3	476.6	554.8	580.3	576.5	562.5	547.5	526.6
54.5°	236.0	245.0	270.8	347.0	462.9	539.0	563.3	559.4	545.2	531.3	511.1
55°	230.0	238.8	262.5	335.9	449.4	523.5	546.5	542.9	530.2	516.0	495.9
55.5°	224.3	232.6	254.5	324.8	436.0	507.5	530.8	526.6	513.5	500.0	480.9
56°	218.9	226.7	246.5	313.7	422.6	492.3	514.2	510.6	498.5	484.6	466.0
56.5°	213.2	220.7	239.1	303.1	409.7	477.8	498.5	494.9	482.2	469.8	451.5
57°	207.8	214.5	231.3	292.7	396.3	462.6	483.0	479.6	468.3	455.1	437.1
57.5°	202.7	209.1	224.1	282.2	383.9	447.9	467.5	464.4	452.8	440.7	423.1
58°	197.2	203.4	217.1	272.1	371.0	433.4	452.8	449.7	439.1	426.5	409.7
58.5°	192.3	198.0	210.1	262.3	358.6	419.5	438.3	435.5	424.4	413.0	396.0
59°	187.4	192.6	203.4	252.5	346.2	405.6	423.9	421.3	411.2	399.6	383.1
59.5°	182.5	187.4	197.0	242.9	334.1	392.1	409.4	407.4	397.3	386.2	369.9
60°	177.6	182.3	190.5	233.6	322.2	378.7	395.5	393.9	383.6	373.5	357.5
60.5°	173.0	177.1	184.3	224.9	310.6	365.5	382.3	380.8	371.0	361.2	345.2
61°	168.3	172.2	178.1	215.8	299.5	352.6	369.4	367.9	357.3	348.8	333.0
61.5°	163.7	167.5	172.7	207.3	288.1	340.2	356.5	355.2	345.2	336.6	321.4
62°	159.3	162.9	167.0	199.3	277.3	328.1	343.9	343.1	333.0	324.8	310.0
62.5°	154.9	158.2	161.6	191.3	266.9	316.2	331.5	330.7	320.4	313.1	298.9
63°	150.8	153.6	156.4	183.5	256.6	304.1	319.6	318.8	309.3	301.8	287.8
63.5°	146.6	149.2	151.3	175.8	246.0	292.5	307.7	307.2	297.4	290.7	277.5
64°	142.5	145.1	146.4	168.6	237.0	281.4	296.6	296.1	286.0	279.8	266.9
64.5°	138.4	140.7	141.7	161.6	227.7	270.5	285.5	285.0	275.7	269.5	256.9
65°	134.0	136.6	137.3	154.9	218.4	260.2	274.7	274.4	265.1	259.4	247.3
65.5°	129.9	132.4	132.7	148.4	209.1	249.9	264.1	264.1	254.5	249.4	237.8
66°	125.7	128.3	128.3	142.0	199.8	239.6	254.0	254.0	244.7	239.6	228.2





TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	112.8	116.2	116.2	124.4	174.3	211.7	225.4	225.6	217.4	212.5	202.1
68°	108.9	112.3	112.3	118.8	166.3	202.7	216.6	216.8	208.3	203.7	193.4
68.5°	104.8	108.4	108.4	113.6	158.8	193.4	207.6	207.8	199.6	194.9	185.1
69°	100.7	104.6	104.6	108.2	151.0	184.8	198.8	199.0	190.5	186.9	177.1
69.5°	96.8	100.4	100.9	103.5	144.0	176.3	189.7	190.3	182.5	178.9	169.3
70°	92.4	96.5	97.3	98.9	137.1	168.1	181.5	182.3	174.8	171.2	161.6
70.5°	88.8	92.4	94.0	94.5	130.4	160.3	173.2	174.3	167.0	163.7	154.4
71°	85.2	88.8	90.6	90.4	123.7	153.1	165.7	166.8	159.5	156.2	147.4
71.5°	81.3	85.4	87.3	86.5	117.5	145.6	158.2	159.3	152.1	149.0	140.4
72°	77.7	81.8	83.9	82.4	111.3	138.4	150.8	151.8	145.1	142.0	133.7
72.5°	74.1	78.5	80.8	78.5	105.3	131.4	143.8	144.8	138.1	135.3	127.0
73°	70.5	74.9	77.4	74.3	99.6	124.7	136.6	138.1	131.4	128.6	120.8
73.5°	66.6	71.3	74.1	71.0	94.0	118.2	130.4	131.4	124.9	122.4	114.6
74°	63.0	67.9	71.0	67.6	88.8	112.0	123.7	125.2	118.8	116.2	108.7
74.5°	59.6	64.5	67.9	64.3	83.6	106.1	117.2	118.8	112.6	110.5	103.0
75°	56.0	60.9	64.8	61.2	78.7	100.2	111.0	112.8	106.6	104.6	97.3
75.5°	52.7	57.8	61.7	58.3	73.8	94.5	105.3	106.9	100.9	98.9	91.9
76°	49.3	54.5	58.9	55.5	69.4	89.1	99.4	101.2	95.3	93.2	86.5
76.5°	46.2	51.1	55.8	52.7	65.1	83.6	94.0	95.8	90.1	88.0	81.6
77°	43.1	48.0	52.9	50.1	60.9	78.7	88.5	90.4	84.7	82.9	76.7
77.5°	40.5	44.9	50.1	47.8	56.8	73.8	83.4	85.2	79.5	78.0	71.8
78°	38.2	42.1	47.2	45.2	52.9	68.9	78.2	80.3	74.6	73.1	67.1
78.5°	35.9	39.5	44.4	42.9	49.0	64.5	73.6	75.4	70.0	68.4	62.7
79°	33.6	36.9	41.8	40.3	45.7	60.1	68.7	70.7	65.1	63.8	58.6
79.5°	31.5	34.6	39.2	37.9	42.1	55.8	64.3	66.1	60.7	59.6	54.2
80°	29.2	32.5	36.7	35.6	39.0	51.9	59.9	61.4	56.3	55.2	50.1
80.5°	27.4	30.2	34.1	33.6	35.6	48.0	55.5	57.3	51.9	51.1	46.5
81°	25.3	28.1	31.8	31.2	33.0	44.1	51.6	53.2	47.8	47.0	42.6
81.5°	23.2	25.8	29.7	28.9	29.9	40.5	47.5	49.0	43.6	43.1	39.0
82°	21.2	23.8	27.4	26.8	27.4	37.2	43.9	45.2	39.8	39.5	35.4
82.5°	19.4	21.7	25.3	24.8	24.8	33.8	40.0	41.3	35.9	35.9	32.0
83°	17.3	19.6	23.2	22.7	22.5	30.7	36.7	37.7	32.3	32.3	28.9
83.5°	15.2	17.6	21.2	20.9	20.4	27.9	33.0	34.1	28.4	28.9	26.1
84°	13.4	15.7	19.1	18.8	18.3	25.3	29.9	30.7	25.0	25.8	23.2
84.5°	11.6	13.7	17.0	17.0	16.0	22.5	26.6	27.4	21.4	22.7	20.4
85°	9.8	11.9	15.0	15.0	13.9	19.9	24.0	24.3	18.1	19.6	17.6
85.5°	8.3	9.8	13.2	13.2	12.1	17.3	21.2	21.4	14.7	16.5	14.7
86°	6.7	8.3	11.1	11.4	10.3	14.7	18.3	18.6	11.1	13.4	11.9
86.5°	5.2	7.0	9.6	9.6	8.8	12.6	15.5	15.5	8.3	11.1	9.6
87°	3.9	5.4	7.7	8.0	7.2	10.3	12.6	12.6	6.7	8.8	7.2
87.5°	2.6	3.9	6.2	6.5	5.7	8.3	10.3	10.1	5.2	6.7	4.9
88°	1.5	2.6	4.4	4.6	4.4	6.5	7.7	7.7	3.6	4.4	2.8
88.5°	0.8	1.5	2.8	3.1	3.1	4.6	5.7	5.2	2.1	2.1	0.8



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1106.2	1106.2	1106.2	1106.2	1106.2	1106.2
0.5°	1109.3	1108.5	1104.4	1100.8	1097.4	1095.6
1°	1112.1	1108.3	1100.8	1094.3	1088.9	1086.8
1.5°	1115.0	1107.7	1096.9	1087.6	1080.4	1077.8
2°	1117.8	1107.2	1093.0	1081.1	1071.9	1068.5
2.5°	1120.6	1106.7	1089.2	1074.2	1063.6	1059.7
3°	1123.2	1105.9	1085.3	1067.5	1055.6	1051.2
3.5°	1125.6	1105.4	1081.1	1060.8	1047.8	1042.9
4°	1128.1	1104.6	1077.0	1054.3	1039.8	1035.2
4.5°	1130.5	1103.9	1072.9	1047.8	1032.4	1027.2
5°	1132.5	1103.1	1068.5	1041.7	1025.1	1019.7
5.5°	1134.6	1102.1	1064.4	1035.2	1017.9	1012.0
6°	1136.7	1101.0	1060.0	1029.3	1010.7	1004.5
6.5°	1138.5	1100.0	1055.8	1023.1	1003.4	997.0
7°	1140.3	1099.0	1051.5	1017.1	996.2	989.2
7.5°	1142.1	1097.7	1047.1	1010.9	989.0	981.8
8°	1143.6	1096.4	1042.9	1005.0	981.8	974.3
8.5°	1145.2	1095.1	1038.3	998.8	974.5	966.8
9°	1146.7	1093.5	1033.9	992.6	967.0	959.3
9.5°	1148.0	1092.0	1029.5	986.4	960.1	951.8
10°	1149.3	1090.4	1025.1	980.5	952.8	944.3
10.5°	1150.3	1088.6	1020.5	974.0	945.6	937.1
11°	1151.4	1086.8	1016.1	967.8	938.4	929.4
11.5°	1152.1	1085.0	1011.4	961.4	931.2	921.9
12°	1152.9	1083.2	1006.8	955.2	923.9	914.4
12.5°	1153.7	1081.1	1001.9	948.7	916.7	907.2
13°	1154.2	1078.8	997.2	942.3	909.7	899.7
13.5°	1154.7	1076.8	992.3	935.8	902.2	892.4
14°	1155.0	1074.4	987.4	929.4	895.0	885.0
14.5°	1155.0	1071.9	982.5	922.6	887.8	877.5
15°	1155.0	1069.3	977.6	916.2	880.6	870.2
15.5°	1155.0	1066.7	972.2	909.5	872.8	862.8
16°	1154.7	1063.9	967.0	902.8	865.8	855.5
16.5°	1154.5	1061.0	961.9	896.1	858.6	848.3
17°	1153.9	1057.9	956.5	889.6	851.4	840.8
17.5°	1153.2	1054.8	950.8	882.6	843.9	833.6
18°	1152.4	1051.7	945.4	875.9	836.7	826.1
18.5°	1151.4	1048.1	939.7	868.7	829.2	818.9
19°	1150.1	1044.7	934.0	862.0	822.0	811.6
19.5°	1148.8	1041.1	928.1	855.0	814.7	804.1
20°	1147.2	1037.3	922.4	848.3	807.5	796.9
20.5°	1145.7	1033.6	916.2	841.1	800.0	789.4
21°	1143.9	1029.5	910.3	833.8	792.8	782.2

TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1137.4	1016.6	891.4	812.4	770.3	759.7
23°	1134.6	1012.2	885.0	805.4	762.8	752.3
23.5°	1132.0	1007.3	878.5	798.0	755.4	744.8
24°	1128.9	1002.7	872.0	790.7	747.9	737.3
24.5°	1125.8	997.5	865.3	783.2	740.1	729.5
25°	1122.5	992.3	858.6	776.0	732.6	721.8
25.5°	1119.1	987.2	851.6	768.5	725.2	714.1
26°	1115.2	982.0	844.9	761.0	717.4	706.3
26.5°	1111.4	976.6	838.0	753.6	709.4	698.6
27°	1107.2	970.7	831.0	746.1	701.7	690.3
27.5°	1102.8	965.0	823.8	738.3	693.7	682.0
28°	1098.2	959.0	816.5	730.6	685.4	674.0
28.5°	1093.5	953.1	809.3	722.8	677.7	665.8
29°	1088.6	946.7	802.1	715.3	669.4	657.3
29.5°	1083.5	940.5	794.9	707.6	661.4	648.7
30°	1078.1	934.0	787.4	699.9	653.1	640.2
30.5°	1072.4	927.3	779.6	691.6	644.6	631.4
31°	1066.7	920.6	772.1	683.8	636.1	622.4
31.5°	1060.5	913.9	764.7	675.8	627.3	613.4
32°	1054.6	906.4	756.6	667.8	618.5	604.1
32.5°	1047.8	899.4	748.9	659.8	609.8	594.8
33°	1041.1	891.9	740.9	651.6	601.0	585.8
33.5°	1033.9	884.4	733.2	643.3	591.7	576.2
34°	1026.2	876.4	724.9	635.1	582.7	566.9
34.5°	1018.4	868.4	716.9	626.8	573.6	556.8
35°	1010.2	860.4	708.6	618.3	564.1	547.3
35.5°	1002.4	852.9	700.6	609.8	554.8	537.2
36°	995.2	845.7	692.6	601.5	545.2	527.7
36.5°	988.2	838.5	684.6	592.7	535.4	517.3
37°	981.0	831.3	676.6	583.9	525.9	507.5
37.5°	973.0	824.0	668.6	575.4	516.0	497.2
38°	963.9	816.3	660.6	566.6	506.2	487.4
38.5°	953.9	808.0	652.6	558.1	496.2	476.8
39°	942.3	799.0	644.9	549.1	486.4	467.3
39.5°	930.1	789.2	636.3	540.6	476.3	457.4
40°	917.2	778.6	627.6	531.3	466.5	448.2
40.5°	904.3	767.5	618.5	522.5	456.2	438.3
41°	890.9	756.4	609.2	513.5	446.3	429.6
41.5°	876.7	744.5	599.9	504.4	436.5	420.5
42°	862.5	732.6	589.9	494.9	427.0	412.3
42.5°	848.0	720.5	579.8	485.6	418.0	403.8
43°	833.6	708.1	569.5	476.0	408.7	395.2
43.5°	818.1	695.5	559.2	466.2	399.9	387.0

TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	771.9	656.7	526.4	436.3	374.1	363.2
45.5°	755.9	643.3	515.3	426.2	366.1	356.0
46°	739.9	630.4	504.2	415.6	357.5	348.2
46.5°	724.6	616.5	492.8	405.6	349.8	340.8
47°	708.1	603.0	481.5	395.0	342.1	333.5
47.5°	691.9	589.1	469.8	384.4	334.3	326.3
48°	675.8	575.9	458.5	373.8	326.6	319.3
48.5°	660.4	562.0	446.9	363.5	319.1	312.4
49°	643.8	548.6	435.5	353.2	311.6	305.7
49.5°	627.8	534.9	423.9	343.3	304.4	298.7
50°	611.8	521.0	412.3	333.3	297.1	292.0
50.5°	596.6	507.5	400.7	323.7	289.9	285.3
51°	580.1	494.1	389.8	313.9	282.9	278.8
51.5°	565.4	480.7	378.2	304.9	276.0	272.6
52°	549.4	467.0	367.1	295.6	269.3	266.2
52.5°	534.4	453.3	355.7	286.6	262.5	260.0
53°	519.1	440.4	344.6	277.5	256.1	253.8
53.5°	504.4	427.5	333.5	269.3	249.4	247.8
54°	489.2	414.3	323.0	260.7	242.9	241.6
54.5°	475.0	401.4	312.4	252.2	236.7	236.0
55°	460.5	389.3	301.8	244.2	230.5	230.0
55.5°	446.6	376.6	291.2	236.5	224.6	224.3
56°	432.4	364.5	281.4	228.7	218.7	218.9
56.5°	418.7	352.1	271.3	221.0	212.7	213.2
57°	405.3	340.2	261.5	213.8	206.8	207.8
57.5°	392.4	328.4	251.7	206.8	201.1	202.7
58°	379.2	317.3	242.7	200.1	195.7	197.2
58.5°	366.8	306.2	233.6	193.4	190.3	192.3
59°	353.9	295.1	224.9	186.9	185.1	187.4
59.5°	341.8	284.0	216.1	180.7	179.9	182.5
60°	329.9	273.6	207.8	174.8	174.8	177.6
60.5°	318.3	263.1	199.6	168.8	169.9	173.0
61°	306.7	253.2	191.6	163.2	165.0	168.3
61.5°	295.8	243.7	184.1	157.7	160.3	163.7
62°	284.7	233.9	176.6	152.6	155.7	159.3
62.5°	274.2	224.6	169.1	147.4	151.3	154.9
63°	263.6	215.3	162.1	142.5	146.9	150.8
63.5°	253.5	206.5	155.4	137.6	142.2	146.6
64°	243.4	197.7	149.0	133.2	138.4	142.5
64.5°	233.9	189.5	142.5	128.8	134.2	138.4
65°	225.1	181.2	136.6	124.4	130.1	134.0
65.5°	216.1	173.5	130.6	120.3	126.2	129.9
66°	207.0	165.5	124.9	116.4	122.4	125.7



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	181.0	143.8	108.9	104.8	110.5	112.8
68°	173.0	136.8	104.0	101.2	106.4	108.9
68.5°	165.2	130.1	99.4	97.6	102.5	104.8
69°	157.7	123.9	94.7	94.2	98.6	100.7
69.5°	150.2	117.7	90.6	91.1	94.7	96.8
70°	143.0	111.5	86.5	87.8	91.1	92.4
70.5°	136.3	105.8	82.4	84.7	87.5	88.8
71°	129.6	100.2	78.2	81.3	83.9	85.2
71.5°	122.9	94.7	74.3	78.0	80.3	81.3
72°	116.7	89.8	70.7	74.9	76.7	77.7
72.5°	110.5	85.2	67.1	71.8	73.1	74.1
73°	104.6	80.3	63.5	68.7	69.4	70.5
73.5°	98.9	75.4	60.4	65.6	66.1	66.6
74°	93.5	70.5	57.3	62.7	62.7	63.0
74.5°	88.0	66.1	54.5	59.6	59.4	59.6
75°	82.9	62.0	51.6	56.8	56.0	56.0
75.5°	78.0	57.8	48.8	54.0	52.7	52.7
76°	73.1	54.0	46.2	51.1	49.6	49.3
76.5°	68.7	50.3	43.6	48.3	46.2	46.2
77°	64.0	46.7	41.3	45.4	43.4	43.1
77.5°	59.9	43.4	39.0	42.9	40.3	40.5
78°	55.8	40.0	36.9	40.0	37.7	38.2
78.5°	51.6	36.9	34.6	37.4	35.1	35.9
79°	48.0	33.8	32.3	35.1	32.8	33.6
79.5°	44.1	31.0	30.2	32.5	30.7	31.5
80°	40.5	28.1	28.1	29.9	28.4	29.2
80.5°	37.2	25.6	26.1	27.9	26.3	27.4
81°	34.1	23.2	24.0	25.6	24.3	25.3
81.5°	31.0	20.9	21.9	23.5	21.9	23.2
82°	27.9	18.6	20.1	21.4	19.9	21.2
82.5°	25.3	16.5	18.3	19.4	18.1	19.4
83°	23.0	14.7	16.5	17.6	16.0	17.3
83.5°	20.4	12.9	14.5	15.5	13.9	15.2
84°	17.8	11.1	12.9	13.7	12.1	13.4
84.5°	15.2	9.3	11.1	11.9	10.3	11.6
85°	12.6	8.0	9.3	10.1	8.8	9.8
85.5°	10.6	6.5	7.7	8.5	7.2	8.3
86°	8.5	5.2	6.2	7.0	5.7	6.7
86.5°	6.5	3.6	4.6	5.2	4.4	5.2
87°	4.6	2.6	3.1	3.6	3.1	3.9
87.5°	3.1	1.3	1.8	2.3	2.1	2.6
88°	1.3	0.5	0.5	1.0	1.3	1.5
88.5°	0.3	0.0	0.0	0.3	0.5	0.8



TEST NUMBER: P776189

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0



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°	774.7	792.0	839.5	921.4	1050.7	1170.5	1256.4	1304.5	1314.8	1290.5	1231.9
22°	767.2	785.0	832.5	915.7	1047.1	1169.2	1256.4	1305.0	1315.0	1290.5	1231.1



44°	379.0	399.6	474.2	582.1	744.5	878.8	943.6	955.2	939.9	916.2	874.6
44.5°	371.2	390.8	464.4	572.1	732.9	864.0	925.5	935.5	920.8	896.8	857.1



66.5°	121.3	124.4	124.2	135.8	190.5	230.0	244.0	244.0	235.2	230.3	219.7
67°	117.2	120.3	120.0	129.9	182.3	221.0	234.4	234.4	226.1	221.5	210.9



89°	0.3	0.8	1.3	1.8	2.1	2.8	3.4	2.6	0.5	0.3	0.0
89.5°	0.0	0.3	0.3	0.5	1.0	1.3	1.3	0.5	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°	1141.8	1025.4	904.1	826.9	785.3	774.7
22°	1139.5	1021.0	897.9	819.6	777.8	767.2



44°	803.1	682.6	548.3	456.4	391.1	379.0
44.5°	786.9	669.7	537.2	446.6	382.6	371.2



66.5°	198.3	158.0	119.5	112.6	118.2	121.3
67°	189.2	150.5	114.1	108.7	114.4	117.2

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	0.3	0.3
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)