

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: P776185

Luminaire Tested: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776185
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: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K
Description: 8 INCH ROUND MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

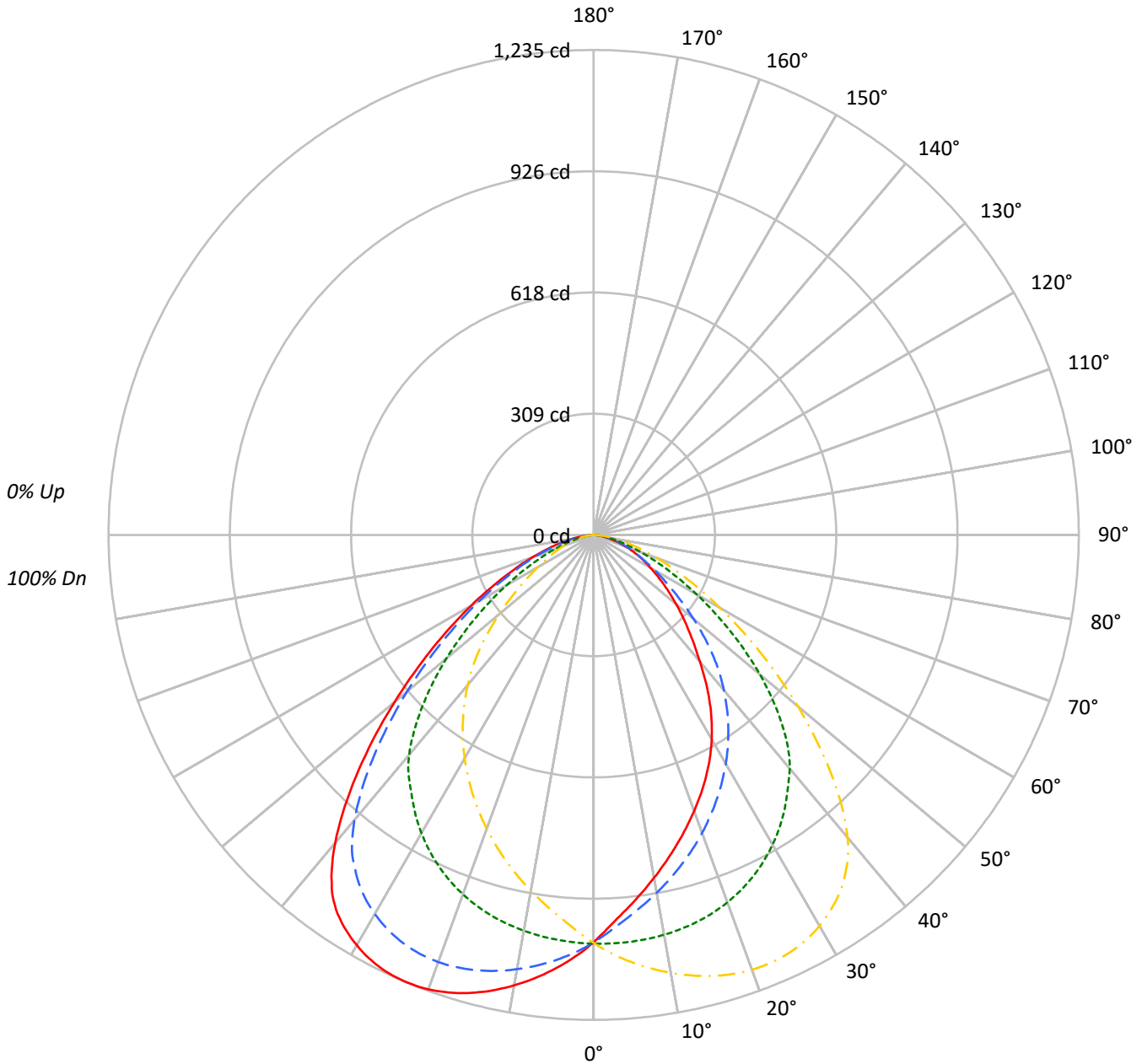
Lumens per Lamp: N/A
Luminaire Lumens: 2428.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.32
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): 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: P776185
CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P776185
 CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

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	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°	31703	31703	31703	31703
5°	29335	31882	33954	31735
10°	27483	32049	36107	31733
15°	25820	32230	38159	31724
20°	24306	32350	40004	31635
25°	22826	32336	41502	31379
30°	21187	32112	42526	30910
35°	19146	31620	42846	30103
40°	16767	30963	40795	29130
45°	14723	29204	36497	26618
50°	13019	26232	31424	23226
55°	11492	22457	26497	19449
60°	10179	18465	21988	15686
65°	9088	14809	17981	12288
70°	7748	11488	14648	9346
75°	6205	8717	11808	6865
80°	4817	6435	9283	4642
85°	3223	4589	5955	2627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 37123 cd/sqm



TEST NUMBER: P776185
 CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	4.1
10°-20°	285.3	11.8
20°-30°	436.7	18.0
30°-40°	517.1	21.3
40°-50°	474.9	19.6
50°-60°	332.1	13.7
60°-70°	186.1	7.7
70°-80°	80.4	3.3
80°-90°	16.9	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°	820.5	33.8
0°-40°	1337.6	55.1
0°-60°	2144.6	88.3
0°-90°	2428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2428.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1038	1038	1038	1038	1038	
5°	957	1040	1108	1036	957	89
15°	817	1020	1207	1004	817	229
25°	678	960	1232	932	678	311
35°	514	848	1150	808	514	320
45°	341	676	845	616	341	264
55°	216	422	498	365	216	194
65°	126	205	249	170	126	125
75°	53	74	100	58	53	57
85°	9	13	17	8	9	12
90°	0	0	0	0	0	



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4
0.5°	1028.5	1029.2	1031.9	1035.5	1041.1	1043.2	1045.4	1045.4	1044.9	1044.0	1043.2
1°	1020.2	1021.7	1026.0	1032.3	1041.1	1046.4	1051.0	1052.7	1052.9	1051.5	1048.6
1.5°	1011.7	1013.7	1020.2	1029.2	1041.3	1049.8	1056.6	1060.0	1060.4	1058.3	1053.7
2°	1003.0	1005.9	1014.2	1026.0	1041.3	1052.7	1061.9	1066.8	1067.7	1065.1	1059.0
2.5°	994.8	998.2	1008.1	1022.6	1041.3	1055.6	1067.2	1073.3	1074.7	1071.6	1063.8
3°	986.8	990.7	1002.3	1019.5	1041.3	1058.8	1072.1	1079.8	1081.8	1077.9	1068.7
3.5°	979.0	983.6	996.2	1016.1	1041.1	1061.4	1077.2	1086.1	1088.6	1084.0	1073.1
4°	971.8	976.6	990.7	1012.5	1040.8	1064.1	1082.0	1092.4	1095.1	1090.0	1077.7
4.5°	964.2	969.8	984.8	1009.1	1040.6	1066.8	1086.9	1098.7	1101.6	1095.8	1082.0
5°	957.2	963.0	979.3	1005.4	1040.3	1069.4	1091.5	1104.6	1107.9	1101.6	1086.4
5.5°	949.9	956.2	973.9	1001.8	1040.1	1071.6	1096.1	1110.6	1114.2	1107.5	1090.5
6°	942.9	949.7	968.4	998.4	1039.6	1074.0	1100.4	1116.2	1120.3	1113.0	1094.6
6.5°	935.9	943.2	963.0	994.8	1039.1	1076.4	1105.0	1122.0	1126.4	1118.1	1098.5
7°	928.6	936.6	957.7	991.1	1038.6	1078.6	1109.2	1127.3	1132.2	1123.5	1102.4
7.5°	921.6	930.1	952.4	987.5	1037.9	1080.8	1113.5	1132.7	1137.8	1128.8	1106.0
8°	914.6	923.3	947.0	983.9	1037.2	1082.7	1117.4	1138.0	1143.6	1133.9	1109.6
8.5°	907.5	916.7	941.7	980.2	1036.5	1084.7	1121.5	1143.3	1149.1	1138.7	1113.3
9°	900.5	910.2	936.1	976.4	1035.7	1086.6	1125.2	1148.2	1154.5	1143.3	1116.7
9.5°	893.5	903.7	930.8	972.7	1034.8	1088.3	1129.0	1153.0	1159.6	1148.2	1119.8
10°	886.5	896.9	925.2	969.1	1033.8	1090.3	1132.4	1158.1	1164.7	1152.5	1123.0
10.5°	879.7	890.3	919.7	965.5	1032.8	1091.7	1136.1	1162.5	1169.7	1157.1	1126.1
11°	872.4	883.8	914.1	961.6	1031.6	1093.2	1139.7	1167.1	1174.6	1161.3	1129.0
11.5°	865.4	877.2	908.5	957.7	1030.4	1094.6	1142.8	1171.4	1179.2	1165.4	1131.9
12°	858.3	870.5	902.7	953.8	1029.2	1096.1	1146.0	1175.8	1183.6	1169.5	1134.6
12.5°	851.6	863.9	897.1	949.7	1028.0	1097.3	1149.1	1180.2	1187.9	1173.1	1137.0
13°	844.5	857.4	891.5	945.6	1026.5	1098.5	1152.1	1184.0	1192.3	1177.0	1139.5
13.5°	837.7	850.8	885.7	941.7	1024.8	1099.5	1155.0	1187.7	1196.2	1180.4	1141.9
14°	830.7	844.0	879.9	937.3	1023.1	1100.2	1157.6	1191.6	1200.0	1183.8	1144.1
14.5°	823.7	837.5	874.1	933.2	1021.4	1101.2	1160.3	1194.9	1203.7	1186.9	1146.0
15°	816.9	830.7	868.3	928.6	1019.7	1101.9	1162.7	1198.3	1207.3	1190.1	1147.9
15.5°	809.9	823.9	862.5	924.5	1017.8	1102.4	1164.9	1201.5	1210.7	1192.8	1149.6
16°	803.1	817.4	856.4	919.9	1015.9	1102.9	1167.1	1204.6	1213.8	1195.4	1151.1
16.5°	796.3	810.8	850.3	915.5	1013.7	1103.1	1169.0	1207.3	1216.8	1198.1	1152.5
17°	789.3	804.1	844.5	910.7	1011.5	1103.3	1171.0	1210.0	1219.4	1200.3	1153.7
17.5°	782.5	797.5	838.2	905.8	1009.1	1103.3	1172.6	1212.4	1221.8	1202.5	1154.7
18°	775.5	790.7	832.2	901.0	1006.7	1103.3	1174.1	1214.6	1224.3	1204.4	1155.7
18.5°	768.7	784.2	825.9	896.1	1004.0	1103.1	1175.3	1216.8	1226.2	1205.8	1156.4
19°	761.9	777.4	819.8	891.1	1001.3	1102.9	1176.5	1218.7	1228.1	1207.5	1156.9
19.5°	754.9	770.9	813.5	886.2	998.7	1102.4	1177.5	1220.1	1229.8	1208.8	1157.1
20°	748.1	763.8	807.2	880.9	995.7	1101.6	1178.2	1221.6	1231.3	1209.7	1157.4
20.5°	741.1	757.0	800.9	875.8	992.8	1100.7	1179.0	1222.8	1232.5	1210.5	1157.1
21°	734.3	750.3	794.4	870.5	989.4	1099.7	1179.2	1223.8	1233.5	1211.2	1156.9



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	713.2	729.9	775.2	854.0	979.5	1096.1	1179.4	1225.2	1234.9	1211.4	1155.0
23°	706.2	723.1	768.4	848.2	975.9	1094.4	1179.0	1225.2	1234.7	1210.9	1153.7
23.5°	699.1	716.3	762.1	842.6	972.0	1092.7	1178.2	1225.0	1234.4	1210.5	1152.5
24°	692.1	709.3	755.4	836.8	967.9	1090.7	1177.5	1224.5	1234.0	1209.5	1150.8
24.5°	684.8	702.0	748.8	830.7	964.0	1088.6	1176.5	1223.8	1233.0	1208.3	1149.1
25°	677.6	695.3	742.0	824.9	959.9	1086.1	1175.1	1222.8	1232.0	1207.1	1147.2
25.5°	670.3	688.0	735.5	818.8	955.8	1083.7	1173.6	1221.6	1230.8	1205.4	1145.0
26°	663.0	681.0	728.7	812.8	951.2	1081.0	1171.9	1220.1	1229.1	1203.4	1142.4
26.5°	655.8	673.7	721.9	806.5	946.6	1077.9	1170.0	1218.5	1227.2	1201.2	1139.7
27°	648.0	666.7	714.9	800.2	941.9	1075.0	1167.8	1216.5	1225.2	1199.1	1136.8
27.5°	640.2	659.1	708.1	793.9	937.1	1071.6	1165.4	1214.3	1222.8	1196.4	1133.6
28°	632.7	651.9	701.1	787.3	932.0	1068.2	1162.7	1211.7	1220.1	1193.2	1130.2
28.5°	625.0	644.4	694.0	780.8	926.9	1064.6	1159.8	1209.0	1217.2	1190.3	1126.8
29°	617.0	636.9	687.0	774.3	921.8	1060.7	1156.7	1205.8	1213.8	1186.7	1123.0
29.5°	609.0	629.1	680.0	767.7	916.3	1056.6	1153.3	1202.7	1210.2	1183.1	1118.9
30°	601.0	621.3	672.7	761.2	910.9	1052.2	1149.6	1199.1	1206.3	1179.0	1114.5
30.5°	592.7	613.3	665.4	754.1	905.4	1047.8	1145.8	1194.9	1202.2	1174.8	1109.9
31°	584.3	605.6	658.2	747.4	899.5	1043.2	1141.6	1190.8	1197.9	1170.2	1105.0
31.5°	575.8	597.4	650.7	740.6	893.5	1038.2	1137.3	1186.5	1193.2	1165.4	1100.0
32°	567.1	589.4	643.4	733.3	887.7	1033.3	1132.7	1181.6	1188.2	1160.0	1094.9
32.5°	558.3	581.1	635.9	726.5	881.6	1028.0	1127.8	1176.8	1183.1	1154.7	1089.0
33°	549.9	572.6	628.4	719.2	875.3	1022.6	1122.7	1171.4	1177.3	1149.1	1083.0
33.5°	540.9	564.2	620.9	712.2	868.8	1016.8	1117.2	1165.6	1171.2	1142.6	1076.7
34°	532.2	555.7	613.1	704.7	862.2	1010.8	1111.3	1159.6	1164.9	1136.1	1069.7
34.5°	522.7	546.9	605.3	697.4	855.4	1004.7	1105.5	1153.3	1157.9	1128.3	1062.1
35°	513.7	538.0	597.6	689.9	848.4	998.4	1099.0	1146.0	1149.6	1120.3	1054.1
35.5°	504.3	529.3	589.6	682.4	841.4	991.4	1092.0	1138.2	1141.1	1111.1	1045.7
36°	495.3	520.3	581.6	674.9	834.1	984.1	1084.2	1129.5	1131.5	1101.4	1037.9
36.5°	485.6	511.3	573.8	667.1	826.6	976.8	1076.0	1119.8	1121.0	1091.5	1029.9
37°	476.4	502.1	565.6	659.6	819.3	969.1	1067.5	1109.9	1108.4	1080.8	1021.2
37.5°	466.7	492.9	557.4	651.6	811.8	962.1	1059.5	1099.0	1096.8	1068.4	1011.0
38°	457.5	483.5	549.1	644.4	805.0	955.0	1050.5	1086.9	1083.0	1055.4	999.6
38.5°	447.6	474.2	540.9	636.6	798.0	948.5	1040.6	1074.0	1069.4	1041.8	987.3
39°	438.6	464.8	532.6	629.1	791.0	940.7	1029.4	1060.9	1054.6	1027.5	974.7
39.5°	429.4	455.3	524.2	621.6	784.2	932.3	1018.0	1046.9	1039.6	1012.7	961.1
40°	420.7	445.9	515.7	614.1	776.9	922.8	1005.4	1031.9	1023.6	997.2	947.0
40.5°	411.5	436.4	507.0	606.3	768.9	911.9	992.1	1016.8	1007.1	981.2	932.3
41°	403.2	427.2	498.2	598.6	760.2	901.0	978.3	1000.6	990.4	964.7	917.5
41.5°	394.8	418.0	489.8	590.6	751.0	889.4	964.0	984.4	973.0	948.0	902.0
42°	387.0	408.8	481.0	582.3	741.3	877.0	949.2	967.4	955.5	931.0	886.2
42.5°	379.0	400.1	472.3	573.8	731.4	864.9	934.0	949.9	937.8	913.4	870.5
43°	371.0	391.6	463.3	564.9	720.7	852.0	918.0	932.5	919.7	896.1	854.5
43.5°	363.3	383.1	454.4	555.7	710.0	838.7	901.7	914.6	901.2	877.7	837.7



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	341.0	359.1	426.5	527.1	676.4	796.8	852.0	859.8	845.3	823.7	787.6
45.5°	334.2	351.4	417.3	517.6	664.5	782.5	834.6	841.6	826.8	805.5	770.6
46°	326.9	343.6	407.6	507.4	652.8	767.5	817.6	823.0	807.9	787.3	753.7
46.5°	319.9	336.1	397.9	497.0	641.0	752.4	800.4	804.5	789.3	768.9	736.7
47°	313.1	328.8	388.2	486.8	628.6	737.2	782.7	785.6	770.4	750.7	719.7
47.5°	306.3	321.3	378.3	476.2	616.0	721.9	765.0	767.2	752.2	732.8	702.5
48°	299.8	314.3	368.3	465.8	603.4	706.4	747.8	749.3	733.8	715.1	685.8
48.5°	293.2	307.3	358.9	455.3	590.8	690.9	730.1	730.9	715.9	697.2	669.1
49°	286.9	300.3	349.2	444.4	578.2	675.4	712.7	712.9	697.0	679.7	652.6
49.5°	280.4	293.5	340.0	433.8	565.1	659.6	695.5	694.5	679.3	661.8	636.1
50°	274.1	286.7	330.5	423.1	552.3	644.1	678.3	676.6	661.6	644.6	619.4
50.5°	267.8	280.1	321.3	412.2	538.9	628.6	660.6	658.9	644.1	627.4	603.2
51°	261.7	273.4	312.6	401.3	525.9	612.6	643.4	641.2	626.7	610.7	586.9
51.5°	255.9	267.1	303.9	390.2	513.0	597.6	626.9	624.3	609.5	594.0	571.4
52°	249.8	260.5	295.2	379.5	499.7	582.1	610.2	607.0	593.0	577.5	555.4
52.5°	244.0	254.2	286.9	368.6	486.6	566.3	593.2	589.8	575.8	561.2	539.7
53°	238.2	247.9	278.4	357.7	473.5	551.1	576.8	573.4	560.0	545.5	524.4
53.5°	232.6	241.8	270.2	347.0	460.4	536.0	560.5	557.1	543.3	529.5	509.4
54°	226.8	235.8	262.0	336.4	447.3	520.8	544.8	541.1	528.0	514.0	494.4
54.5°	221.5	230.0	254.2	325.7	434.5	506.0	528.8	525.1	511.8	498.7	479.8
55°	215.9	224.2	246.5	315.3	421.9	491.5	513.0	509.6	497.8	484.4	465.5
55.5°	210.6	218.3	238.9	304.9	409.3	476.4	498.2	494.4	482.0	469.4	451.5
56°	205.5	212.8	231.4	294.4	396.7	462.1	482.7	479.3	467.9	454.9	437.4
56.5°	200.2	207.2	224.4	284.5	384.6	448.6	467.9	464.6	452.7	441.0	423.8
57°	195.1	201.4	217.1	274.8	372.0	434.3	453.4	450.3	439.6	427.2	410.3
57.5°	190.2	196.3	210.3	264.9	360.3	420.4	438.9	436.0	425.1	413.7	397.2
58°	185.1	191.0	203.8	255.4	348.2	406.9	425.1	422.1	412.2	400.3	384.6
58.5°	180.5	185.9	197.3	246.2	336.6	393.8	411.5	408.8	398.4	387.7	371.7
59°	175.9	180.8	191.0	237.0	325.0	380.7	397.9	395.5	386.0	375.1	359.6
59.5°	171.3	175.9	184.9	228.0	313.6	368.1	384.3	382.4	373.0	362.5	347.3
60°	166.7	171.1	178.8	219.3	302.4	355.5	371.3	369.8	360.1	350.7	335.6
60.5°	162.4	166.2	173.0	211.1	291.5	343.1	358.9	357.4	348.2	339.0	324.0
61°	158.0	161.6	167.2	202.6	281.1	331.0	346.8	345.3	335.4	327.4	312.6
61.5°	153.6	157.3	162.1	194.6	270.4	319.4	334.7	333.5	324.0	316.0	301.7
62°	149.5	152.9	156.8	187.1	260.3	308.0	322.8	322.1	312.6	304.9	291.0
62.5°	145.4	148.6	151.7	179.6	250.6	296.9	311.2	310.4	300.7	294.0	280.6
63°	141.5	144.2	146.9	172.3	240.9	285.5	300.0	299.3	290.3	283.3	270.2
63.5°	137.6	140.1	142.0	165.0	230.9	274.6	288.9	288.4	279.2	272.9	260.5
64°	133.8	136.2	137.4	158.2	222.5	264.1	278.4	278.0	268.5	262.7	250.6
64.5°	129.9	132.1	133.0	151.7	213.7	254.0	268.0	267.5	258.8	253.0	241.1
65°	125.8	128.2	128.9	145.4	205.0	244.3	257.8	257.6	248.9	243.5	232.2
65.5°	121.9	124.3	124.6	139.3	196.3	234.6	247.9	247.9	238.9	234.1	223.2
66°	118.0	120.4	120.4	133.3	187.6	224.9	238.5	238.5	229.7	224.9	214.2



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	105.9	109.0	109.0	116.8	163.6	198.7	211.6	211.8	204.0	199.4	189.7
68°	102.3	105.4	105.4	111.5	156.1	190.2	203.3	203.6	195.6	191.2	181.5
68.5°	98.4	101.8	101.8	106.6	149.0	181.5	194.8	195.1	187.3	183.0	173.8
69°	94.5	98.1	98.1	101.5	141.8	173.5	186.6	186.8	178.8	175.4	166.2
69.5°	90.9	94.3	94.8	97.2	135.2	165.5	178.1	178.6	171.3	167.9	159.0
70°	86.8	90.6	91.4	92.8	128.7	157.8	170.4	171.1	164.1	160.7	151.7
70.5°	83.4	86.8	88.2	88.7	122.4	150.5	162.6	163.6	156.8	153.6	144.9
71°	80.0	83.4	85.1	84.8	116.1	143.7	155.6	156.5	149.8	146.6	138.4
71.5°	76.3	80.2	81.9	81.2	110.3	136.7	148.6	149.5	142.7	139.8	131.8
72°	72.9	76.8	78.8	77.3	104.4	129.9	141.5	142.5	136.2	133.3	125.5
72.5°	69.5	73.7	75.9	73.7	98.9	123.3	135.0	135.9	129.6	127.0	119.2
73°	66.2	70.3	72.7	69.8	93.5	117.0	128.2	129.6	123.3	120.7	113.4
73.5°	62.5	66.9	69.5	66.6	88.2	111.0	122.4	123.3	117.3	114.9	107.6
74°	59.1	63.7	66.6	63.5	83.4	105.2	116.1	117.5	111.5	109.0	102.0
74.5°	56.0	60.6	63.7	60.3	78.5	99.6	110.0	111.5	105.7	103.7	96.7
75°	52.6	57.2	60.8	57.4	73.9	94.0	104.2	105.9	100.1	98.1	91.4
75.5°	49.4	54.3	57.9	54.8	69.3	88.7	98.9	100.3	94.8	92.8	86.3
76°	46.3	51.1	55.3	52.1	65.2	83.6	93.3	95.0	89.4	87.5	81.2
76.5°	43.4	48.0	52.3	49.4	61.1	78.5	88.2	89.9	84.6	82.6	76.6
77°	40.5	45.1	49.7	47.0	57.2	73.9	83.1	84.8	79.5	77.8	72.0
77.5°	38.0	42.2	47.0	44.8	53.3	69.3	78.3	80.0	74.6	73.2	67.4
78°	35.9	39.5	44.3	42.4	49.7	64.7	73.4	75.4	70.0	68.6	63.0
78.5°	33.7	37.1	41.7	40.2	46.0	60.6	69.1	70.8	65.7	64.2	58.9
79°	31.5	34.7	39.3	37.8	42.9	56.5	64.5	66.4	61.1	59.9	55.0
79.5°	29.6	32.5	36.8	35.6	39.5	52.3	60.3	62.0	56.9	56.0	50.9
80°	27.4	30.5	34.4	33.4	36.6	48.7	56.2	57.7	52.8	51.9	47.0
80.5°	25.7	28.4	32.0	31.5	33.4	45.1	52.1	53.8	48.7	48.0	43.6
81°	23.7	26.4	29.8	29.3	31.0	41.4	48.5	49.9	44.8	44.1	40.0
81.5°	21.8	24.2	27.9	27.1	28.1	38.0	44.6	46.0	41.0	40.5	36.6
82°	19.9	22.3	25.7	25.2	25.7	34.9	41.2	42.4	37.3	37.1	33.2
82.5°	18.2	20.4	23.7	23.3	23.3	31.7	37.6	38.8	33.7	33.7	30.0
83°	16.2	18.4	21.8	21.3	21.1	28.8	34.4	35.4	30.3	30.3	27.1
83.5°	14.3	16.5	19.9	19.6	19.1	26.2	31.0	32.0	26.7	27.1	24.5
84°	12.6	14.8	17.9	17.7	17.2	23.7	28.1	28.8	23.5	24.2	21.8
84.5°	10.9	12.8	16.0	16.0	15.0	21.1	25.0	25.7	20.1	21.3	19.1
85°	9.2	11.1	14.1	14.1	13.1	18.7	22.5	22.8	17.0	18.4	16.5
85.5°	7.8	9.2	12.4	12.4	11.4	16.2	19.9	20.1	13.8	15.5	13.8
86°	6.3	7.8	10.4	10.7	9.7	13.8	17.2	17.4	10.4	12.6	11.1
86.5°	4.8	6.5	9.0	9.0	8.2	11.9	14.5	14.5	7.8	10.4	9.0
87°	3.6	5.1	7.3	7.5	6.8	9.7	11.9	11.9	6.3	8.2	6.8
87.5°	2.4	3.6	5.8	6.1	5.3	7.8	9.7	9.5	4.8	6.3	4.6
88°	1.5	2.4	4.1	4.4	4.1	6.1	7.3	7.3	3.4	4.1	2.7
88.5°	0.7	1.5	2.7	2.9	2.9	4.4	5.3	4.8	1.9	1.9	0.7



TEST NUMBER: P776185
CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-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	0.2	0.2	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1038.4	1038.4	1038.4	1038.4	1038.4	1038.4
0.5°	1041.3	1040.6	1036.7	1033.3	1030.2	1028.5
1°	1044.0	1040.3	1033.3	1027.3	1022.2	1020.2
1.5°	1046.6	1039.9	1029.7	1020.9	1014.2	1011.7
2°	1049.3	1039.4	1026.0	1014.9	1006.2	1003.0
2.5°	1052.0	1038.9	1022.4	1008.3	998.4	994.8
3°	1054.4	1038.2	1018.8	1002.0	990.9	986.8
3.5°	1056.6	1037.7	1014.9	995.7	983.6	979.0
4°	1059.0	1036.9	1011.0	989.7	976.1	971.8
4.5°	1061.2	1036.2	1007.1	983.6	969.1	964.2
5°	1063.1	1035.5	1003.0	977.8	962.3	957.2
5.5°	1065.1	1034.5	999.1	971.8	955.5	949.9
6°	1067.0	1033.6	995.0	966.2	948.7	942.9
6.5°	1068.7	1032.6	991.1	960.4	941.9	935.9
7°	1070.4	1031.6	987.0	954.8	935.2	928.6
7.5°	1072.1	1030.4	982.9	949.0	928.4	921.6
8°	1073.5	1029.2	979.0	943.4	921.6	914.6
8.5°	1075.0	1028.0	974.7	937.6	914.8	907.5
9°	1076.4	1026.5	970.5	931.8	907.8	900.5
9.5°	1077.7	1025.1	966.4	926.0	901.2	893.5
10°	1078.9	1023.6	962.3	920.4	894.5	886.5
10.5°	1079.8	1021.9	957.9	914.3	887.7	879.7
11°	1080.8	1020.2	953.8	908.5	880.9	872.4
11.5°	1081.5	1018.5	949.5	902.4	874.1	865.4
12°	1082.3	1016.8	945.1	896.6	867.3	858.3
12.5°	1083.0	1014.9	940.5	890.6	860.5	851.6
13°	1083.5	1012.7	936.1	884.5	854.0	844.5
13.5°	1084.0	1010.8	931.5	878.5	847.0	837.7
14°	1084.2	1008.6	926.9	872.4	840.2	830.7
14.5°	1084.2	1006.2	922.3	866.1	833.4	823.7
15°	1084.2	1003.7	917.7	860.0	826.6	816.9
15.5°	1084.2	1001.3	912.6	853.7	819.3	809.9
16°	1084.0	998.7	907.8	847.4	812.8	803.1
16.5°	1083.7	996.0	902.9	841.1	806.0	796.3
17°	1083.2	993.1	897.8	835.1	799.2	789.3
17.5°	1082.5	990.2	892.5	828.5	792.2	782.5
18°	1081.8	987.3	887.4	822.2	785.4	775.5
18.5°	1080.8	983.9	882.1	815.5	778.4	768.7
19°	1079.6	980.7	876.8	809.2	771.6	761.9
19.5°	1078.4	977.3	871.2	802.6	764.8	754.9
20°	1076.9	973.7	865.9	796.3	758.0	748.1
20.5°	1075.5	970.3	860.0	789.5	751.0	741.1
21°	1073.8	966.4	854.5	782.7	744.2	734.3

TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1067.7	954.3	836.8	762.6	723.1	713.2
23°	1065.1	950.2	830.7	756.1	716.1	706.2
23.5°	1062.6	945.6	824.7	749.1	709.1	699.1
24°	1059.7	941.2	818.6	742.3	702.0	692.1
24.5°	1056.8	936.4	812.3	735.2	694.8	684.8
25°	1053.7	931.5	806.0	728.5	687.7	677.6
25.5°	1050.5	926.7	799.5	721.4	680.7	670.3
26°	1046.9	921.8	793.2	714.4	673.4	663.0
26.5°	1043.2	916.7	786.6	707.4	665.9	655.8
27°	1039.4	911.2	780.1	700.3	658.7	648.0
27.5°	1035.2	905.8	773.3	693.1	651.1	640.2
28°	1030.9	900.3	766.5	685.8	643.4	632.7
28.5°	1026.5	894.7	759.7	678.5	636.1	625.0
29°	1021.9	888.6	752.9	671.5	628.4	617.0
29.5°	1017.1	882.8	746.1	664.2	620.9	609.0
30°	1012.0	876.8	739.1	657.0	613.1	601.0
30.5°	1006.7	870.5	731.8	649.2	605.1	592.7
31°	1001.3	864.2	724.8	641.9	597.1	584.3
31.5°	995.5	857.9	717.8	634.4	588.9	575.8
32°	989.9	850.8	710.3	626.9	580.6	567.1
32.5°	983.6	844.3	703.0	619.4	572.4	558.3
33°	977.3	837.3	695.5	611.6	564.2	549.9
33.5°	970.5	830.2	688.2	603.9	555.4	540.9
34°	963.3	822.7	680.5	596.1	546.9	532.2
34.5°	956.0	815.2	673.0	588.4	538.5	522.7
35°	948.2	807.7	665.2	580.4	529.5	513.7
35.5°	941.0	800.7	657.7	572.4	520.8	504.3
36°	934.2	793.9	650.2	564.6	511.8	495.3
36.5°	927.7	787.1	642.7	556.4	502.6	485.6
37°	920.9	780.3	635.2	548.2	493.6	476.4
37.5°	913.4	773.5	627.6	540.2	484.4	466.7
38°	904.9	766.3	620.1	531.9	475.2	457.5
38.5°	895.4	758.5	612.6	523.9	465.8	447.6
39°	884.5	750.0	605.3	515.4	456.6	438.6
39.5°	873.1	740.8	597.4	507.4	447.1	429.4
40°	861.0	730.9	589.1	498.7	437.9	420.7
40.5°	848.9	720.5	580.6	490.5	428.2	411.5
41°	836.3	710.0	571.9	482.0	419.0	403.2
41.5°	823.0	698.9	563.2	473.5	409.8	394.8
42°	809.6	687.7	553.7	464.6	400.8	387.0
42.5°	796.1	676.4	544.3	455.8	392.3	379.0
43°	782.5	664.7	534.6	446.9	383.6	371.0
43.5°	768.0	652.8	524.9	437.7	375.4	363.3

TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	724.6	616.5	494.1	409.5	351.1	341.0
45.5°	709.6	603.9	483.7	400.1	343.6	334.2
46°	694.5	591.8	473.3	390.2	335.6	326.9
46.5°	680.2	578.7	462.6	380.7	328.4	319.9
47°	664.7	566.1	452.0	370.8	321.1	313.1
47.5°	649.5	553.0	441.0	360.8	313.8	306.3
48°	634.4	540.6	430.4	350.9	306.6	299.8
48.5°	619.9	527.6	419.5	341.2	299.5	293.2
49°	604.4	515.0	408.8	331.5	292.5	286.9
49.5°	589.4	502.1	397.9	322.3	285.7	280.4
50°	574.3	489.0	387.0	312.9	278.9	274.1
50.5°	560.0	476.4	376.1	303.9	272.1	267.8
51°	544.5	463.8	365.9	294.7	265.6	261.7
51.5°	530.7	451.2	355.0	286.2	259.1	255.9
52°	515.7	438.4	344.6	277.5	252.8	249.8
52.5°	501.6	425.5	333.9	269.0	246.5	244.0
53°	487.3	413.4	323.5	260.5	240.4	238.2
53.5°	473.5	401.3	313.1	252.8	234.1	232.6
54°	459.2	388.9	303.2	244.8	228.0	226.8
54.5°	445.9	376.8	293.2	236.8	222.2	221.5
55°	432.3	365.4	283.3	229.2	216.4	215.9
55.5°	419.2	353.6	273.4	222.0	210.8	210.6
56°	405.9	342.2	264.1	214.7	205.3	205.5
56.5°	393.1	330.5	254.7	207.4	199.7	200.2
57°	380.5	319.4	245.5	200.7	194.1	195.1
57.5°	368.3	308.2	236.3	194.1	188.8	190.2
58°	356.0	297.8	227.8	187.8	183.7	185.1
58.5°	344.4	287.4	219.3	181.5	178.6	180.5
59°	332.2	277.0	211.1	175.4	173.8	175.9
59.5°	320.8	266.6	202.8	169.6	168.9	171.3
60°	309.7	256.9	195.1	164.1	164.1	166.7
60.5°	298.8	246.9	187.3	158.5	159.5	162.4
61°	287.9	237.7	179.8	153.2	154.9	158.0
61.5°	277.7	228.8	172.8	148.1	150.5	153.6
62°	267.3	219.6	165.8	143.2	146.1	149.5
62.5°	257.4	210.8	158.7	138.4	142.0	145.4
63°	247.4	202.1	152.2	133.8	137.9	141.5
63.5°	238.0	193.9	145.9	129.2	133.5	137.6
64°	228.5	185.6	139.8	125.0	129.9	133.8
64.5°	219.6	177.9	133.8	120.9	126.0	129.9
65°	211.3	170.1	128.2	116.8	122.1	125.8
65.5°	202.8	162.8	122.6	112.9	118.5	121.9
66°	194.4	155.3	117.3	109.3	114.9	118.0



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	169.9	135.0	102.3	98.4	103.7	105.9
68°	162.4	128.4	97.7	95.0	99.8	102.3
68.5°	155.1	122.1	93.3	91.6	96.2	98.4
69°	148.1	116.3	88.9	88.5	92.6	94.5
69.5°	141.0	110.5	85.1	85.5	88.9	90.9
70°	134.3	104.7	81.2	82.4	85.5	86.8
70.5°	128.0	99.4	77.3	79.5	82.2	83.4
71°	121.7	94.0	73.4	76.3	78.8	80.0
71.5°	115.4	88.9	69.8	73.2	75.4	76.3
72°	109.5	84.3	66.4	70.3	72.0	72.9
72.5°	103.7	80.0	63.0	67.4	68.6	69.5
73°	98.1	75.4	59.6	64.5	65.2	66.2
73.5°	92.8	70.8	56.7	61.6	62.0	62.5
74°	87.7	66.2	53.8	58.9	58.9	59.1
74.5°	82.6	62.0	51.1	56.0	55.7	56.0
75°	77.8	58.2	48.5	53.3	52.6	52.6
75.5°	73.2	54.3	45.8	50.6	49.4	49.4
76°	68.6	50.6	43.4	48.0	46.5	46.3
76.5°	64.5	47.3	41.0	45.3	43.4	43.4
77°	60.1	43.9	38.8	42.7	40.7	40.5
77.5°	56.2	40.7	36.6	40.2	37.8	38.0
78°	52.3	37.6	34.7	37.6	35.4	35.9
78.5°	48.5	34.7	32.5	35.1	33.0	33.7
79°	45.1	31.7	30.3	33.0	30.8	31.5
79.5°	41.4	29.1	28.4	30.5	28.8	29.6
80°	38.0	26.4	26.4	28.1	26.7	27.4
80.5°	34.9	24.0	24.5	26.2	24.7	25.7
81°	32.0	21.8	22.5	24.0	22.8	23.7
81.5°	29.1	19.6	20.6	22.1	20.6	21.8
82°	26.2	17.4	18.9	20.1	18.7	19.9
82.5°	23.7	15.5	17.2	18.2	17.0	18.2
83°	21.6	13.8	15.5	16.5	15.0	16.2
83.5°	19.1	12.1	13.6	14.5	13.1	14.3
84°	16.7	10.4	12.1	12.8	11.4	12.6
84.5°	14.3	8.7	10.4	11.1	9.7	10.9
85°	11.9	7.5	8.7	9.5	8.2	9.2
85.5°	9.9	6.1	7.3	8.0	6.8	7.8
86°	8.0	4.8	5.8	6.5	5.3	6.3
86.5°	6.1	3.4	4.4	4.8	4.1	4.8
87°	4.4	2.4	2.9	3.4	2.9	3.6
87.5°	2.9	1.2	1.7	2.2	1.9	2.4
88°	1.2	0.5	0.5	1.0	1.2	1.5
88.5°	0.2	0.0	0.0	0.2	0.5	0.7



TEST NUMBER: P776185

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-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



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°	727.2	743.5	788.1	864.9	986.3	1098.7	1179.4	1224.5	1234.2	1211.4	1156.4
22°	720.2	736.9	781.5	859.6	982.9	1097.5	1179.4	1225.0	1234.4	1211.4	1155.7



44°	355.7	375.1	445.2	546.5	698.9	824.9	885.7	896.6	882.3	860.0	821.0
44.5°	348.5	366.9	436.0	537.0	688.0	811.1	868.8	878.2	864.4	841.9	804.5



66.5°	113.9	116.8	116.6	127.5	178.8	215.9	229.0	229.0	220.8	216.2	206.2
67°	110.0	112.9	112.7	121.9	171.1	207.4	220.0	220.0	212.3	207.9	198.0



89°	0.2	0.7	1.2	1.7	1.9	2.7	3.2	2.4	0.5	0.2	0.0
89.5°	0.0	0.2	0.2	0.5	1.0	1.2	1.2	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°	1071.8	962.5	848.7	776.2	737.2	727.2
22°	1069.7	958.4	842.8	769.4	730.1	720.2



44°	753.9	640.7	514.7	428.4	367.1	355.7
44.5°	738.6	628.6	504.3	419.2	359.1	348.5



66.5°	186.1	148.3	112.2	105.7	111.0	113.9
67°	177.6	141.3	107.1	102.0	107.4	110.0

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	0.2	0.2
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)