

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: P776187

Luminaire Tested: HCDJBS1525CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776187
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-3500K
Description: 8 INCH ROUND MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT
Ballast/Driver: -

Summary

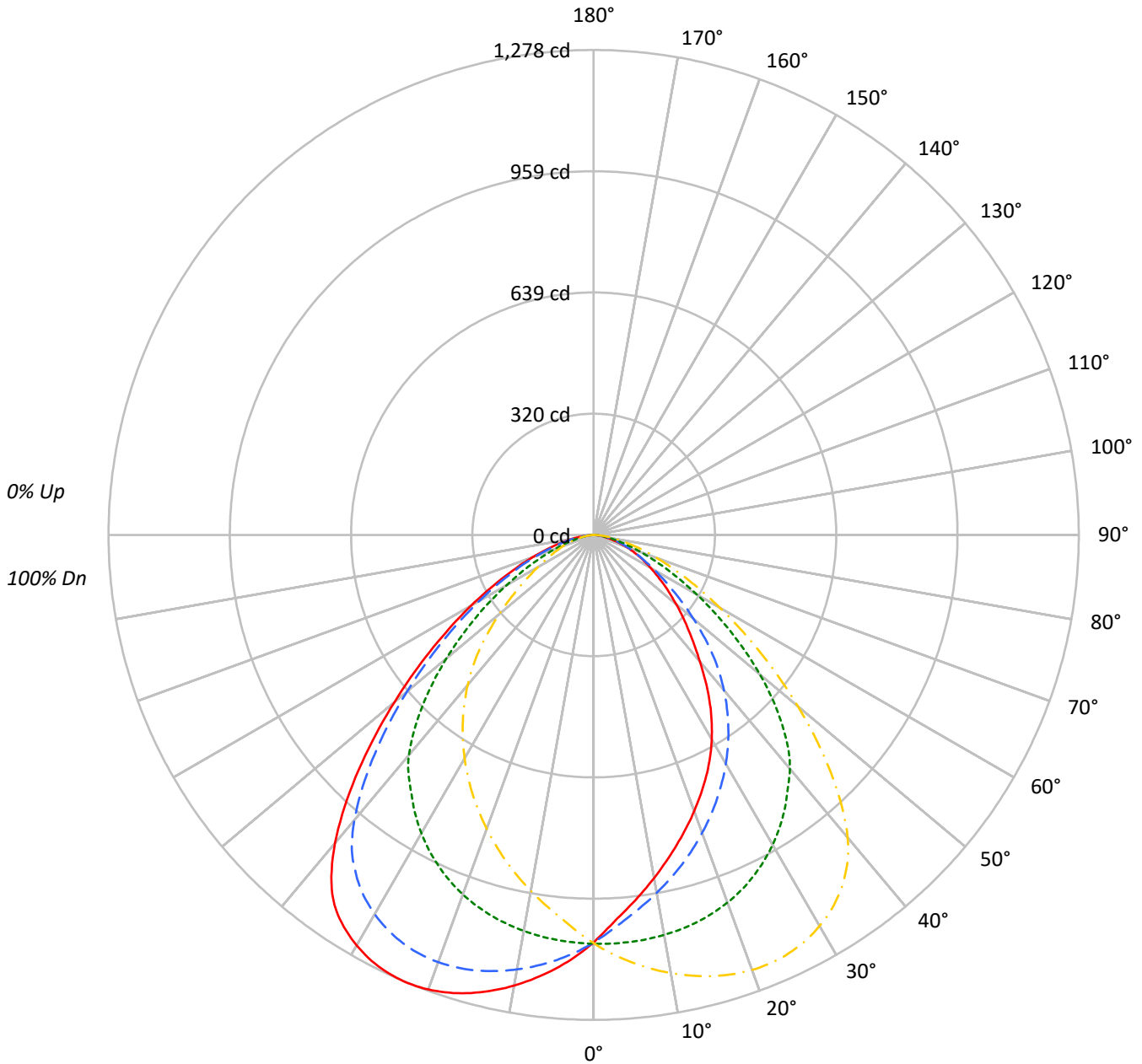
Lumens per Lamp: N/A
Luminaire Lumens: 2513.5 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.32
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (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: P776187
CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	94	89	83	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65					65			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57					57			
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50					50			
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39					39			
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35					35			
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32					32			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32820	32820	32820	32820
5°	30368	33007	35152	32853
10°	28450	33178	37378	32852
15°	26730	33368	39503	32843
20°	25160	33490	41415	32750
25°	23628	33474	42964	32484
30°	21935	33244	44024	31999
35°	19820	32735	44356	31166
40°	17357	32055	42234	30154
45°	15241	30232	37779	27555
50°	13475	27154	32530	24048
55°	11896	23250	27428	20136
60°	10539	19118	22763	16236
65°	9406	15329	18609	12722
70°	8016	11890	15157	9676
75°	6417	9024	12221	7101
80°	4976	6663	9617	4800
85°	3328	4729	6165	2732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 38431 cd/sqm



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	4.1
10°-20°	295.4	11.8
20°-30°	452.1	18.0
30°-40°	535.3	21.3
40°-50°	491.6	19.6
50°-60°	343.8	13.7
60°-70°	192.6	7.7
70°-80°	83.2	3.3
80°-90°	17.5	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°	849.4	33.8
0°-40°	1384.8	55.1
0°-60°	2220.2	88.3
0°-90°	2513.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2513.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1075	1075	1075	1075	1075	
5°	991	1077	1147	1072	991	92
15°	846	1056	1250	1039	846	238
25°	701	994	1275	964	701	322
35°	532	878	1190	836	532	331
45°	353	700	875	638	353	273
55°	224	437	515	378	224	201
65°	130	212	258	176	130	129
75°	54	76	104	60	54	59
85°	10	14	18	8	10	12
90°	0	0	0	0	0	



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0
0.5°	1064.7	1065.5	1068.2	1072.0	1077.7	1080.0	1082.3	1082.3	1081.8	1080.8	1080.0
1°	1056.2	1057.7	1062.2	1068.7	1077.7	1083.3	1088.0	1089.8	1090.0	1088.5	1085.5
1.5°	1047.4	1049.4	1056.2	1065.5	1078.0	1086.8	1093.8	1097.3	1097.8	1095.6	1090.8
2°	1038.4	1041.4	1049.9	1062.2	1078.0	1089.8	1099.3	1104.3	1105.3	1102.6	1096.3
2.5°	1029.8	1033.3	1043.6	1058.7	1078.0	1092.8	1104.8	1111.1	1112.6	1109.4	1101.3
3°	1021.5	1025.6	1037.6	1055.4	1078.0	1096.1	1109.9	1117.9	1119.9	1115.9	1106.3
3.5°	1013.5	1018.3	1031.3	1051.9	1077.7	1098.8	1115.1	1124.4	1126.9	1122.1	1110.9
4°	1006.0	1011.0	1025.6	1048.1	1077.5	1101.6	1120.1	1130.9	1133.7	1128.4	1115.6
4.5°	998.2	1004.0	1019.5	1044.6	1077.2	1104.3	1125.2	1137.5	1140.5	1134.4	1120.1
5°	990.9	997.0	1013.8	1040.9	1077.0	1107.1	1129.9	1143.5	1147.0	1140.5	1124.7
5.5°	983.4	989.9	1008.3	1037.1	1076.7	1109.4	1134.7	1149.7	1153.5	1146.5	1128.9
6°	976.1	983.2	1002.5	1033.6	1076.2	1111.9	1139.2	1155.5	1159.8	1152.3	1133.2
6.5°	968.9	976.4	997.0	1029.8	1075.7	1114.4	1144.0	1161.5	1166.0	1157.5	1137.2
7°	961.3	969.6	991.4	1026.1	1075.2	1116.6	1148.2	1167.1	1172.1	1163.0	1141.2
7.5°	954.1	962.8	985.9	1022.3	1074.5	1118.9	1152.8	1172.6	1177.8	1168.6	1145.0
8°	946.8	955.8	980.4	1018.5	1073.7	1120.9	1156.8	1178.1	1183.9	1173.8	1148.7
8.5°	939.5	949.0	974.9	1014.8	1073.0	1122.9	1161.0	1183.6	1189.6	1178.8	1152.5
9°	932.2	942.3	969.1	1010.8	1072.2	1124.9	1164.8	1188.6	1195.2	1183.6	1156.0
9.5°	925.0	935.5	963.6	1007.0	1071.2	1126.7	1168.8	1193.6	1200.4	1188.6	1159.3
10°	917.7	928.5	957.8	1003.2	1070.2	1128.7	1172.3	1198.9	1205.7	1193.1	1162.5
10.5°	910.7	921.7	952.1	999.5	1069.2	1130.2	1176.1	1203.4	1211.0	1197.9	1165.8
11°	903.1	914.9	946.3	995.5	1068.0	1131.7	1179.8	1208.2	1216.0	1202.2	1168.8
11.5°	895.9	908.2	940.5	991.4	1066.7	1133.2	1183.1	1212.7	1220.7	1206.4	1171.8
12°	888.6	901.1	934.5	987.4	1065.5	1134.7	1186.4	1217.2	1225.3	1210.7	1174.6
12.5°	881.6	894.4	928.7	983.2	1064.2	1135.9	1189.6	1221.7	1229.8	1214.5	1177.1
13°	874.3	887.6	923.0	978.9	1062.7	1137.2	1192.6	1225.8	1234.3	1218.5	1179.6
13.5°	867.3	880.8	916.9	974.9	1060.9	1138.2	1195.7	1229.5	1238.3	1222.0	1182.1
14°	860.0	873.8	910.9	970.4	1059.2	1139.0	1198.4	1233.5	1242.3	1225.5	1184.4
14.5°	852.7	867.0	904.9	966.1	1057.4	1140.0	1201.2	1237.0	1246.1	1228.8	1186.4
15°	845.7	860.0	898.9	961.3	1055.7	1140.7	1203.7	1240.6	1249.8	1232.0	1188.4
15.5°	838.4	853.0	892.9	957.1	1053.7	1141.2	1205.9	1243.8	1253.4	1234.8	1190.1
16°	831.4	846.2	886.6	952.3	1051.7	1141.7	1208.2	1247.1	1256.6	1237.5	1191.6
16.5°	824.4	839.4	880.3	947.8	1049.4	1142.0	1210.2	1249.8	1259.6	1240.3	1193.1
17°	817.1	832.4	874.3	942.8	1047.1	1142.2	1212.2	1252.6	1262.4	1242.6	1194.4
17.5°	810.1	825.6	867.8	937.8	1044.6	1142.2	1214.0	1255.1	1264.9	1244.8	1195.4
18°	802.8	818.6	861.5	932.7	1042.1	1142.2	1215.5	1257.4	1267.4	1246.8	1196.4
18.5°	795.8	811.8	855.0	927.7	1039.4	1142.0	1216.7	1259.6	1269.4	1248.3	1197.2
19°	788.7	804.8	848.7	922.5	1036.6	1141.7	1218.0	1261.6	1271.4	1250.1	1197.7
19.5°	781.5	798.0	842.2	917.4	1033.8	1141.2	1219.0	1263.1	1273.2	1251.3	1197.9
20°	774.4	790.7	835.7	911.9	1030.8	1140.5	1219.7	1264.6	1274.7	1252.3	1198.2
20.5°	767.2	783.7	829.1	906.6	1027.8	1139.5	1220.5	1265.9	1275.9	1253.1	1197.9
21°	760.1	776.7	822.4	901.1	1024.3	1138.5	1220.7	1266.9	1276.9	1253.9	1197.7



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	738.3	755.6	802.5	884.1	1014.0	1134.7	1221.0	1268.4	1278.4	1254.1	1195.7
23°	731.0	748.6	795.5	878.0	1010.3	1132.9	1220.5	1268.4	1278.2	1253.6	1194.4
23.5°	723.8	741.6	789.0	872.3	1006.2	1131.2	1219.7	1268.2	1277.9	1253.1	1193.1
24°	716.5	734.3	782.0	866.3	1002.0	1129.2	1219.0	1267.7	1277.4	1252.1	1191.4
24.5°	709.0	726.8	775.2	860.0	998.0	1126.9	1218.0	1266.9	1276.4	1250.8	1189.6
25°	701.4	719.7	768.2	854.0	993.7	1124.4	1216.5	1265.9	1275.4	1249.6	1187.6
25.5°	693.9	712.2	761.4	847.7	989.4	1121.9	1215.0	1264.6	1274.2	1247.8	1185.4
26°	686.4	704.9	754.4	841.4	984.7	1119.1	1213.2	1263.1	1272.4	1245.8	1182.6
26.5°	678.9	697.4	747.3	834.9	979.9	1115.9	1211.2	1261.4	1270.4	1243.6	1179.8
27°	670.8	690.1	740.1	828.4	975.1	1112.9	1208.9	1259.4	1268.4	1241.3	1176.8
27.5°	662.8	682.4	733.0	821.9	970.1	1109.4	1206.4	1257.1	1265.9	1238.6	1173.6
28°	655.0	674.8	725.8	815.1	964.9	1105.8	1203.7	1254.4	1263.1	1235.3	1170.1
28.5°	647.0	667.1	718.5	808.3	959.6	1102.1	1200.7	1251.6	1260.1	1232.3	1166.6
29°	638.7	659.3	711.2	801.5	954.3	1098.1	1197.4	1248.3	1256.6	1228.5	1162.5
29.5°	630.4	651.3	703.9	794.8	948.5	1093.8	1193.9	1245.1	1252.9	1224.8	1158.3
30°	622.2	643.2	696.4	788.0	943.0	1089.3	1190.1	1241.3	1248.8	1220.5	1153.8
30.5°	613.6	635.0	688.9	780.7	937.3	1084.8	1186.1	1237.0	1244.6	1216.2	1149.0
31°	604.9	626.9	681.4	773.7	931.2	1080.0	1181.9	1232.8	1240.1	1211.5	1144.0
31.5°	596.1	618.4	673.6	766.7	925.0	1074.7	1177.3	1228.3	1235.3	1206.4	1138.7
32°	587.0	610.1	666.1	759.1	918.9	1069.7	1172.6	1223.2	1230.0	1200.9	1133.4
32.5°	578.0	601.6	658.3	752.1	912.7	1064.2	1167.6	1218.2	1224.8	1195.4	1127.4
33°	569.2	592.8	650.5	744.6	906.1	1058.7	1162.3	1212.7	1218.7	1189.6	1121.1
33.5°	559.9	584.0	642.7	737.3	899.4	1052.7	1156.5	1206.7	1212.5	1182.9	1114.6
34°	550.9	575.2	634.7	729.5	892.6	1046.4	1150.5	1200.4	1205.9	1176.1	1107.3
34.5°	541.1	566.2	626.7	722.0	885.6	1040.1	1144.5	1193.9	1198.7	1168.1	1099.6
35°	531.8	556.9	618.6	714.2	878.3	1033.6	1137.7	1186.4	1190.1	1159.8	1091.3
35.5°	522.1	547.9	610.4	706.5	871.0	1026.3	1130.4	1178.3	1181.4	1150.2	1082.5
36°	512.8	538.6	602.1	698.7	863.5	1018.8	1122.4	1169.3	1171.3	1140.2	1074.5
36.5°	502.7	529.3	594.1	690.6	855.7	1011.3	1113.9	1159.3	1160.5	1129.9	1066.2
37°	493.2	519.8	585.5	682.9	848.2	1003.2	1105.1	1149.0	1147.5	1118.9	1057.2
37.5°	483.2	510.3	577.0	674.6	840.4	996.0	1096.8	1137.7	1135.4	1106.1	1046.6
38°	473.6	500.5	568.5	667.1	833.4	988.7	1087.5	1125.2	1121.1	1092.5	1034.8
38.5°	463.4	491.0	559.9	659.0	826.1	981.9	1077.2	1111.9	1107.1	1078.5	1022.0
39°	454.1	481.2	551.4	651.3	818.8	973.9	1065.7	1098.3	1091.8	1063.7	1009.0
39.5°	444.5	471.4	542.6	643.5	811.8	965.1	1053.9	1083.8	1076.2	1048.4	995.0
40°	435.5	461.6	533.9	635.7	804.3	955.3	1040.9	1068.2	1059.7	1032.3	980.4
40.5°	426.0	451.8	524.8	627.7	796.0	944.0	1027.1	1052.7	1042.6	1015.8	965.1
41°	417.4	442.3	515.8	619.7	787.0	932.7	1012.8	1035.8	1025.3	998.7	949.8
41.5°	408.7	432.8	507.0	611.4	777.5	920.7	998.0	1019.0	1007.2	981.4	933.7
42°	400.6	423.2	498.0	602.8	767.4	907.9	982.7	1001.5	989.2	963.8	917.4
42.5°	392.4	414.2	488.9	594.1	757.1	895.4	966.9	983.4	970.9	945.5	901.1
43°	384.1	405.4	479.7	584.8	746.1	882.1	950.3	965.4	952.1	927.7	884.6
43.5°	376.1	396.6	470.4	575.2	735.1	868.3	933.5	946.8	933.0	908.7	867.3



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	353.0	371.8	441.5	545.6	700.2	824.9	882.1	890.1	875.0	852.7	815.3
45.5°	346.0	363.8	432.0	535.9	687.9	810.1	864.0	871.3	856.0	833.9	797.8
46°	338.4	355.7	422.0	525.3	675.8	794.5	846.4	852.0	836.4	815.1	780.2
46.5°	331.2	348.0	411.9	514.5	663.6	779.0	828.6	832.9	817.1	796.0	762.6
47°	324.1	340.4	401.9	504.0	650.8	763.2	810.3	813.3	797.5	777.2	745.1
47.5°	317.1	332.7	391.6	493.0	637.7	747.3	792.0	794.3	778.7	758.6	727.3
48°	310.3	325.4	381.3	482.2	624.7	731.3	774.2	775.7	759.6	740.3	710.0
48.5°	303.6	318.1	371.5	471.4	611.6	715.2	755.9	756.6	741.1	721.8	692.7
49°	297.0	310.8	361.5	460.1	598.6	699.2	737.8	738.1	721.5	703.7	675.6
49.5°	290.3	303.8	352.0	449.1	585.0	682.9	720.0	719.0	703.2	685.1	658.5
50°	283.7	296.8	342.2	438.0	571.7	666.8	702.2	700.4	684.9	667.3	641.2
50.5°	277.2	290.0	332.7	426.7	557.9	650.8	683.9	682.1	666.8	649.5	624.4
51°	270.9	283.0	323.6	415.4	544.4	634.2	666.1	663.8	648.8	632.2	607.6
51.5°	264.9	276.5	314.6	403.9	531.1	618.6	649.0	646.2	630.9	614.9	591.6
52°	258.6	269.7	305.6	392.9	517.3	602.6	631.7	628.4	613.9	597.8	575.0
52.5°	252.6	263.2	297.0	381.6	503.7	586.3	614.1	610.6	596.1	581.0	558.7
53°	246.6	256.6	288.3	370.3	490.2	570.5	597.1	593.6	579.8	564.7	542.9
53.5°	240.8	250.4	279.7	359.2	476.7	554.9	580.3	576.8	562.5	548.2	527.3
54°	234.8	244.1	271.2	348.2	463.1	539.1	564.0	560.2	546.6	532.1	511.8
54.5°	229.3	238.1	263.2	337.2	449.8	523.8	547.4	543.6	529.8	516.3	496.7
55°	223.5	232.1	255.1	326.4	436.8	508.8	531.1	527.6	515.3	501.5	481.9
55.5°	218.0	226.0	247.4	315.6	423.7	493.2	515.8	511.8	499.0	485.9	467.4
56°	212.7	220.3	239.6	304.8	410.7	478.4	499.7	496.2	484.4	470.9	452.8
56.5°	207.2	214.5	232.3	294.5	398.1	464.4	484.4	480.9	468.6	456.6	438.8
57°	202.0	208.5	224.8	284.5	385.1	449.6	469.4	466.1	455.1	442.3	424.7
57.5°	196.9	203.2	217.8	274.2	373.0	435.3	454.3	451.3	440.0	428.2	411.2
58°	191.7	197.7	211.0	264.4	360.5	421.2	440.0	437.0	426.7	414.4	398.1
58.5°	186.9	192.4	204.2	254.9	348.5	407.7	426.0	423.2	412.4	401.4	384.8
59°	182.1	187.1	197.7	245.4	336.4	394.1	411.9	409.4	399.6	388.3	372.3
59.5°	177.4	182.1	191.4	236.1	324.6	381.1	397.9	395.9	386.1	375.3	359.5
60°	172.6	177.1	185.1	227.0	313.1	368.0	384.3	382.8	372.8	363.0	347.5
60.5°	168.1	172.1	179.1	218.5	301.8	355.2	371.5	370.0	360.5	351.0	335.4
61°	163.6	167.3	173.1	209.7	291.0	342.7	359.0	357.5	347.2	338.9	323.6
61.5°	159.1	162.8	167.8	201.4	280.0	330.6	346.5	345.2	335.4	327.1	312.3
62°	154.8	158.3	162.3	193.7	269.4	318.9	334.2	333.4	323.6	315.6	301.3
62.5°	150.5	153.8	157.0	185.9	259.4	307.3	322.1	321.4	311.3	304.3	290.5
63°	146.5	149.3	152.0	178.4	249.4	295.5	310.6	309.8	300.5	293.3	279.7
63.5°	142.5	145.0	147.0	170.8	239.1	284.2	299.0	298.5	289.0	282.5	269.7
64°	138.5	141.0	142.2	163.8	230.3	273.4	288.3	287.7	278.0	271.9	259.4
64.5°	134.5	136.7	137.7	157.0	221.3	262.9	277.5	277.0	267.9	261.9	249.6
65°	130.2	132.7	133.5	150.5	212.2	252.9	266.9	266.7	257.6	252.1	240.3
65.5°	126.2	128.7	128.9	144.3	203.2	242.8	256.6	256.6	247.4	242.3	231.1
66°	122.2	124.7	124.7	138.0	194.2	232.8	246.9	246.9	237.8	232.8	221.8



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	109.6	112.9	112.9	120.9	169.3	205.7	219.0	219.3	211.2	206.5	196.4
68°	105.9	109.1	109.1	115.4	161.6	196.9	210.5	210.7	202.5	197.9	187.9
68.5°	101.9	105.4	105.4	110.4	154.3	187.9	201.7	202.0	193.9	189.4	179.9
69°	97.8	101.6	101.6	105.1	146.8	179.6	193.2	193.4	185.1	181.6	172.1
69.5°	94.1	97.6	98.1	100.6	140.0	171.3	184.4	184.9	177.4	173.9	164.6
70°	89.8	93.8	94.6	96.1	133.2	163.3	176.4	177.1	169.8	166.3	157.0
70.5°	86.3	89.8	91.3	91.8	126.7	155.8	168.3	169.3	162.3	159.1	150.0
71°	82.8	86.3	88.1	87.8	120.2	148.8	161.1	162.1	155.0	151.8	143.2
71.5°	79.0	83.0	84.8	84.0	114.1	141.5	153.8	154.8	147.8	144.8	136.5
72°	75.5	79.5	81.5	80.0	108.1	134.5	146.5	147.5	141.0	138.0	130.0
72.5°	72.0	76.3	78.5	76.3	102.4	127.7	139.7	140.7	134.2	131.5	123.4
73°	68.5	72.8	75.3	72.3	96.8	121.2	132.7	134.2	127.7	124.9	117.4
73.5°	64.7	69.2	72.0	69.0	91.3	114.9	126.7	127.7	121.4	118.9	111.4
74°	61.2	66.0	69.0	65.7	86.3	108.9	120.2	121.7	115.4	112.9	105.6
74.5°	58.0	62.7	66.0	62.5	81.3	103.1	113.9	115.4	109.4	107.4	100.1
75°	54.4	59.2	63.0	59.5	76.5	97.3	107.9	109.6	103.6	101.6	94.6
75.5°	51.2	56.2	60.0	56.7	71.7	91.8	102.4	103.9	98.1	96.1	89.3
76°	47.9	52.9	57.2	53.9	67.5	86.6	96.6	98.3	92.6	90.6	84.0
76.5°	44.9	49.7	54.2	51.2	63.2	81.3	91.3	93.1	87.6	85.5	79.3
77°	41.9	46.7	51.4	48.7	59.2	76.5	86.0	87.8	82.3	80.5	74.5
77.5°	39.4	43.7	48.7	46.4	55.2	71.7	81.0	82.8	77.3	75.8	69.7
78°	37.1	40.9	45.9	43.9	51.4	67.0	76.0	78.0	72.5	71.0	65.2
78.5°	34.9	38.4	43.1	41.6	47.7	62.7	71.5	73.3	68.0	66.5	61.0
79°	32.6	35.9	40.6	39.1	44.4	58.5	66.7	68.7	63.2	62.0	56.9
79.5°	30.6	33.6	38.1	36.9	40.9	54.2	62.5	64.2	59.0	58.0	52.7
80°	28.3	31.6	35.6	34.6	37.9	50.4	58.2	59.7	54.7	53.7	48.7
80.5°	26.6	29.4	33.1	32.6	34.6	46.7	53.9	55.7	50.4	49.7	45.2
81°	24.6	27.3	30.9	30.4	32.1	42.9	50.2	51.7	46.4	45.7	41.4
81.5°	22.6	25.1	28.9	28.1	29.1	39.4	46.2	47.7	42.4	41.9	37.9
82°	20.6	23.1	26.6	26.1	26.6	36.1	42.6	43.9	38.6	38.4	34.4
82.5°	18.8	21.1	24.6	24.1	24.1	32.9	38.9	40.1	34.9	34.9	31.1
83°	16.8	19.1	22.6	22.1	21.8	29.9	35.6	36.6	31.4	31.4	28.1
83.5°	14.8	17.1	20.6	20.3	19.8	27.1	32.1	33.1	27.6	28.1	25.3
84°	13.0	15.3	18.6	18.3	17.8	24.6	29.1	29.9	24.3	25.1	22.6
84.5°	11.3	13.3	16.6	16.6	15.6	21.8	25.8	26.6	20.8	22.1	19.8
85°	9.5	11.5	14.6	14.6	13.5	19.3	23.3	23.6	17.6	19.1	17.1
85.5°	8.0	9.5	12.8	12.8	11.8	16.8	20.6	20.8	14.3	16.1	14.3
86°	6.5	8.0	10.8	11.0	10.0	14.3	17.8	18.1	10.8	13.0	11.5
86.5°	5.0	6.8	9.3	9.3	8.5	12.3	15.1	15.1	8.0	10.8	9.3
87°	3.8	5.3	7.5	7.8	7.0	10.0	12.3	12.3	6.5	8.5	7.0
87.5°	2.5	3.8	6.0	6.3	5.5	8.0	10.0	9.8	5.0	6.5	4.8
88°	1.5	2.5	4.3	4.5	4.3	6.3	7.5	7.5	3.5	4.3	2.8
88.5°	0.8	1.5	2.8	3.0	3.0	4.5	5.5	5.0	2.0	2.0	0.8



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

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: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0
0.5°	1078.0	1077.2	1073.2	1069.7	1066.5	1064.7
1°	1080.8	1077.0	1069.7	1063.4	1058.2	1056.2
1.5°	1083.5	1076.5	1066.0	1056.9	1049.9	1047.4
2°	1086.3	1076.0	1062.2	1050.6	1041.6	1038.4
2.5°	1089.0	1075.5	1058.4	1043.9	1033.6	1029.8
3°	1091.5	1074.7	1054.7	1037.4	1025.8	1021.5
3.5°	1093.8	1074.2	1050.6	1030.8	1018.3	1013.5
4°	1096.3	1073.5	1046.6	1024.6	1010.5	1006.0
4.5°	1098.6	1072.7	1042.6	1018.3	1003.2	998.2
5°	1100.6	1072.0	1038.4	1012.3	996.2	990.9
5.5°	1102.6	1071.0	1034.3	1006.0	989.2	983.4
6°	1104.6	1070.0	1030.1	1000.2	982.2	976.1
6.5°	1106.3	1069.0	1026.1	994.2	975.1	968.9
7°	1108.1	1068.0	1021.8	988.4	968.1	961.3
7.5°	1109.9	1066.7	1017.5	982.4	961.1	954.1
8°	1111.4	1065.5	1013.5	976.6	954.1	946.8
8.5°	1112.9	1064.2	1009.0	970.6	947.0	939.5
9°	1114.4	1062.7	1004.7	964.6	939.8	932.2
9.5°	1115.6	1061.2	1000.5	958.6	933.0	925.0
10°	1116.9	1059.7	996.2	952.8	926.0	917.7
10.5°	1117.9	1057.9	991.7	946.5	918.9	910.7
11°	1118.9	1056.2	987.4	940.5	911.9	903.1
11.5°	1119.6	1054.4	982.9	934.2	904.9	895.9
12°	1120.4	1052.7	978.4	928.2	897.9	888.6
12.5°	1121.1	1050.6	973.6	922.0	890.8	881.6
13°	1121.6	1048.4	969.1	915.7	884.1	874.3
13.5°	1122.1	1046.4	964.3	909.4	876.8	867.3
14°	1122.4	1044.1	959.6	903.1	869.8	860.0
14.5°	1122.4	1041.6	954.8	896.6	862.7	852.7
15°	1122.4	1039.1	950.0	890.3	855.7	845.7
15.5°	1122.4	1036.6	944.8	883.8	848.2	838.4
16°	1122.1	1033.8	939.8	877.3	841.4	831.4
16.5°	1121.9	1031.1	934.7	870.8	834.4	824.4
17°	1121.4	1028.1	929.5	864.5	827.4	817.1
17.5°	1120.6	1025.1	924.0	857.7	820.1	810.1
18°	1119.9	1022.0	918.7	851.2	813.1	802.8
18.5°	1118.9	1018.5	913.2	844.2	805.8	795.8
19°	1117.6	1015.3	907.7	837.7	798.8	788.7
19.5°	1116.4	1011.8	901.9	830.9	791.7	781.5
20°	1114.9	1008.0	896.4	824.4	784.7	774.4
20.5°	1113.4	1004.5	890.3	817.3	777.5	767.2
21°	1111.6	1000.5	884.6	810.3	770.4	760.1



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1105.3	987.9	866.3	789.5	748.6	738.3
23°	1102.6	983.7	860.0	782.7	741.3	731.0
23.5°	1100.1	978.9	853.7	775.4	734.0	723.8
24°	1097.1	974.4	847.4	768.4	726.8	716.5
24.5°	1094.0	969.4	840.9	761.1	719.2	709.0
25°	1090.8	964.3	834.4	754.1	712.0	701.4
25.5°	1087.5	959.3	827.6	746.8	704.7	693.9
26°	1083.8	954.3	821.1	739.6	697.2	686.4
26.5°	1080.0	949.0	814.3	732.3	689.4	678.9
27°	1076.0	943.3	807.6	725.0	681.9	670.8
27.5°	1071.7	937.8	800.5	717.5	674.1	662.8
28°	1067.2	932.0	793.5	710.0	666.1	655.0
28.5°	1062.7	926.2	786.5	702.4	658.5	647.0
29°	1057.9	919.9	779.5	695.2	650.5	638.7
29.5°	1052.9	913.9	772.4	687.6	642.7	630.4
30°	1047.6	907.7	765.2	680.1	634.7	622.2
30.5°	1042.1	901.1	757.6	672.1	626.4	613.6
31°	1036.6	894.6	750.4	664.6	618.1	604.9
31.5°	1030.6	888.1	743.1	656.8	609.6	596.1
32°	1024.8	880.8	735.3	649.0	601.1	587.0
32.5°	1018.3	874.0	727.8	641.2	592.6	578.0
33°	1011.8	866.8	720.0	633.2	584.0	569.2
33.5°	1004.7	859.5	712.5	625.2	575.0	559.9
34°	997.2	851.7	704.4	617.1	566.2	550.9
34.5°	989.7	843.9	696.7	609.1	557.4	541.1
35°	981.7	836.2	688.6	600.8	548.2	531.8
35.5°	974.1	828.9	680.9	592.6	539.1	522.1
36°	967.1	821.9	673.1	584.5	529.8	512.8
36.5°	960.3	814.8	665.3	576.0	520.3	502.7
37°	953.3	807.8	657.5	567.5	511.0	493.2
37.5°	945.5	800.8	649.8	559.2	501.5	483.2
38°	936.8	793.3	642.0	550.7	492.0	473.6
38.5°	927.0	785.2	634.2	542.4	482.2	463.4
39°	915.7	776.4	626.7	533.6	472.6	454.1
39.5°	903.9	766.9	618.4	525.3	462.9	444.5
40°	891.3	756.6	609.9	516.3	453.3	435.5
40.5°	878.8	745.8	601.1	507.8	443.3	426.0
41°	865.8	735.1	592.1	499.0	433.8	417.4
41.5°	852.0	723.5	583.0	490.2	424.2	408.7
42°	838.2	712.0	573.2	480.9	414.9	400.6
42.5°	824.1	700.2	563.5	471.9	406.2	392.4
43°	810.1	688.1	553.4	462.6	397.1	384.1
43.5°	795.0	675.8	543.4	453.1	388.6	376.1

TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	750.1	638.2	511.5	424.0	363.5	353.0
45.5°	734.6	625.2	500.7	414.2	355.7	346.0
46°	719.0	612.6	490.0	403.9	347.5	338.4
46.5°	704.2	599.1	478.9	394.1	339.9	331.2
47°	688.1	586.0	467.9	383.8	332.4	324.1
47.5°	672.3	572.5	456.6	373.5	324.9	317.1
48°	656.8	559.7	445.5	363.3	317.4	310.3
48.5°	641.7	546.1	434.3	353.2	310.1	303.6
49°	625.7	533.1	423.2	343.2	302.8	297.0
49.5°	610.1	519.8	411.9	333.7	295.8	290.3
50°	594.6	506.3	400.6	323.9	288.8	283.7
50.5°	579.8	493.2	389.4	314.6	281.7	277.2
51°	563.7	480.2	378.8	305.1	275.0	270.9
51.5°	549.4	467.1	367.5	296.3	268.2	264.9
52°	533.9	453.8	356.7	287.2	261.7	258.6
52.5°	519.3	440.5	345.7	278.5	255.1	252.6
53°	504.5	428.0	334.9	269.7	248.9	246.6
53.5°	490.2	415.4	324.1	261.7	242.3	240.8
54°	475.4	402.6	313.8	253.4	236.1	234.8
54.5°	461.6	390.1	303.6	245.1	230.0	229.3
55°	447.6	378.3	293.3	237.3	224.0	223.5
55.5°	434.0	366.0	283.0	229.8	218.3	218.0
56°	420.2	354.2	273.4	222.3	212.5	212.7
56.5°	406.9	342.2	263.7	214.7	206.7	207.2
57°	393.9	330.6	254.1	207.7	200.9	202.0
57.5°	381.3	319.1	244.6	200.9	195.4	196.9
58°	368.5	308.3	235.8	194.4	190.2	191.7
58.5°	356.5	297.5	227.0	187.9	184.9	186.9
59°	343.9	286.7	218.5	181.6	179.9	182.1
59.5°	332.2	276.0	210.0	175.6	174.9	177.4
60°	320.6	265.9	202.0	169.8	169.8	172.6
60.5°	309.3	255.6	193.9	164.1	165.1	168.1
61°	298.0	246.1	186.1	158.6	160.3	163.6
61.5°	287.5	236.8	178.9	153.3	155.8	159.1
62°	276.7	227.3	171.6	148.3	151.3	154.8
62.5°	266.4	218.3	164.3	143.2	147.0	150.5
63°	256.1	209.2	157.5	138.5	142.7	146.5
63.5°	246.4	200.7	151.0	133.7	138.2	142.5
64°	236.6	192.2	144.8	129.4	134.5	138.5
64.5°	227.3	184.1	138.5	125.2	130.5	134.5
65°	218.8	176.1	132.7	120.9	126.4	130.2
65.5°	210.0	168.6	126.9	116.9	122.7	126.2
66°	201.2	160.8	121.4	113.1	118.9	122.2



TEST NUMBER: P776187

CATALOG NUMBER: HCDJBL5125CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	175.9	139.7	105.9	101.9	107.4	109.6
68°	168.1	133.0	101.1	98.3	103.4	105.9
68.5°	160.6	126.4	96.6	94.8	99.6	101.9
69°	153.3	120.4	92.1	91.6	95.8	97.8
69.5°	146.0	114.4	88.1	88.6	92.1	94.1
70°	139.0	108.4	84.0	85.3	88.6	89.8
70.5°	132.5	102.9	80.0	82.3	85.0	86.3
71°	125.9	97.3	76.0	79.0	81.5	82.8
71.5°	119.4	92.1	72.3	75.8	78.0	79.0
72°	113.4	87.3	68.7	72.8	74.5	75.5
72.5°	107.4	82.8	65.2	69.7	71.0	72.0
73°	101.6	78.0	61.7	66.7	67.5	68.5
73.5°	96.1	73.3	58.7	63.7	64.2	64.7
74°	90.8	68.5	55.7	61.0	61.0	61.2
74.5°	85.5	64.2	52.9	58.0	57.7	58.0
75°	80.5	60.2	50.2	55.2	54.4	54.4
75.5°	75.8	56.2	47.4	52.4	51.2	51.2
76°	71.0	52.4	44.9	49.7	48.2	47.9
76.5°	66.7	48.9	42.4	46.9	44.9	44.9
77°	62.2	45.4	40.1	44.2	42.1	41.9
77.5°	58.2	42.1	37.9	41.6	39.1	39.4
78°	54.2	38.9	35.9	38.9	36.6	37.1
78.5°	50.2	35.9	33.6	36.4	34.1	34.9
79°	46.7	32.9	31.4	34.1	31.9	32.6
79.5°	42.9	30.1	29.4	31.6	29.9	30.6
80°	39.4	27.3	27.3	29.1	27.6	28.3
80.5°	36.1	24.8	25.3	27.1	25.6	26.6
81°	33.1	22.6	23.3	24.8	23.6	24.6
81.5°	30.1	20.3	21.3	22.8	21.3	22.6
82°	27.1	18.1	19.6	20.8	19.3	20.6
82.5°	24.6	16.1	17.8	18.8	17.6	18.8
83°	22.3	14.3	16.1	17.1	15.6	16.8
83.5°	19.8	12.5	14.0	15.1	13.5	14.8
84°	17.3	10.8	12.5	13.3	11.8	13.0
84.5°	14.8	9.0	10.8	11.5	10.0	11.3
85°	12.3	7.8	9.0	9.8	8.5	9.5
85.5°	10.3	6.3	7.5	8.3	7.0	8.0
86°	8.3	5.0	6.0	6.8	5.5	6.5
86.5°	6.3	3.5	4.5	5.0	4.3	5.0
87°	4.5	2.5	3.0	3.5	3.0	3.8
87.5°	3.0	1.3	1.8	2.3	2.0	2.5
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: P776187

CATALOG NUMBER: HCDJBL51525CSD-HCD8TRH-HCD8TRLWW-2500lm-3500K

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°	752.9	769.7	815.8	895.4	1021.0	1137.5	1221.0	1267.7	1277.7	1254.1	1197.2
22°	745.6	762.9	809.1	889.8	1017.5	1136.2	1221.0	1268.2	1277.9	1254.1	1196.4



44°	368.3	388.3	460.9	565.7	723.5	854.0	916.9	928.2	913.4	890.3	850.0
44.5°	360.8	379.8	451.3	555.9	712.2	839.7	899.4	909.2	894.9	871.5	832.9



66.5°	117.9	120.9	120.7	132.0	185.1	223.5	237.1	237.1	228.5	223.8	213.5
67°	113.9	116.9	116.7	126.2	177.1	214.7	227.8	227.8	219.8	215.2	205.0



89°	0.3	0.8	1.3	1.8	2.0	2.8	3.3	2.5	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°	1109.6	996.5	878.6	803.5	763.2	752.9
22°	1107.3	992.2	872.5	796.5	755.9	745.6



44°	780.5	663.3	532.9	443.5	380.1	368.3
44.5°	764.7	650.8	522.1	434.0	371.8	360.8

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

Scaled Data Report



66.5°	192.7	153.5	116.2	109.4	114.9	117.9
67°	183.9	146.3	110.9	105.6	111.1	113.9

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)