

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: P776110

Luminaire Tested: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B018)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K
Description: 6 INCH SQUARE MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2149.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.19 / 1.3
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

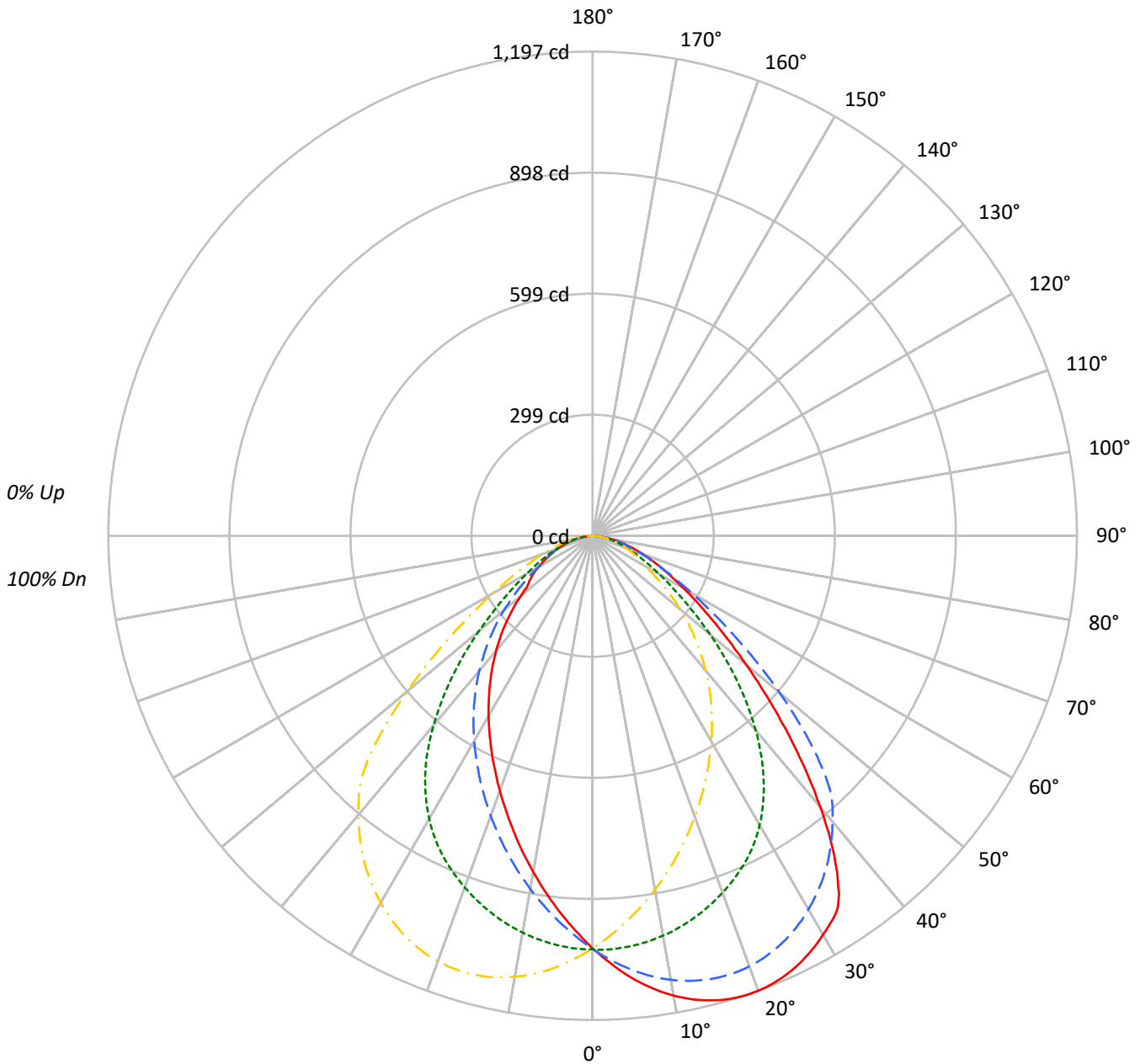
Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

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				100															
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87				87															
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76				76															
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66				66															
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58				58															
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51				51															
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	45				45															
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41				41															
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37				37															
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33				33															
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31				31															

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43977	43977	43977	43977
5°	47391	44072	40333	43903
10°	50461	43882	36913	43554
15°	52981	43531	33680	43032
20°	54850	43015	30722	42382
25°	56044	42319	28034	41535
30°	56622	41046	25564	40166
35°	55662	38748	23206	37944
40°	49264	35224	20841	34364
45°	41034	30603	18358	29720
50°	33197	25373	15580	24576
55°	26888	20298	14150	19825
60°	22432	16464	13296	16301
65°	19082	13703	12124	13805
70°	16592	11745	11166	11959
75°	14473	10164	10114	10514
80°	11901	8703	8480	9124
85°	7657	6719	4693	7410

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 48395 cd/sqm



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	4.5
10°-20°	273.9	12.7
20°-30°	406.3	18.9
30°-40°	464.3	21.6
40°-50°	403.6	18.8
50°-60°	262.6	12.2
60°-70°	149.7	7.0
70°-80°	75.0	3.5
80°-90°	17.8	0.8
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°	776.6	36.1
0°-40°	1240.9	57.7
0°-60°	1907.2	88.7
0°-90°	2149.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2149.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1021	1021	1021	1021	1021	
5°	1096	1020	933	1016	1096	106
15°	1189	977	756	965	1189	336
25°	1180	891	590	874	1180	543
35°	1059	737	442	722	1059	650
45°	674	503	302	488	674	521
55°	358	270	188	264	358	326
65°	187	134	119	136	187	188
75°	87	61	61	63	87	92
85°	16	14	10	15	16	20
90°	0	0	0	0	0	



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4
0.5°	1027.7	1027.7	1027.7	1026.5	1023.6	1021.4	1013.9	1011.0	1011.0	1012.2	1015.4
1°	1035.7	1035.2	1033.3	1029.7	1023.6	1018.3	1008.1	1003.2	1002.5	1004.2	1009.3
1.5°	1044.0	1043.0	1039.1	1032.8	1023.6	1014.9	1001.8	995.5	993.8	996.2	1003.0
2°	1052.0	1050.5	1044.7	1035.7	1023.4	1011.5	995.7	987.5	985.3	988.5	996.7
2.5°	1059.7	1057.5	1050.5	1038.6	1023.1	1007.8	989.7	979.5	976.6	980.2	990.2
3°	1067.5	1064.8	1055.8	1041.3	1022.6	1004.5	983.1	971.5	968.1	972.2	983.6
3.5°	1075.0	1071.8	1060.9	1044.0	1022.1	1000.8	976.8	963.5	959.4	964.0	977.1
4°	1082.2	1078.6	1066.2	1046.4	1021.2	996.7	970.3	955.5	950.9	956.0	970.5
4.5°	1089.5	1085.1	1071.1	1048.8	1020.4	993.1	964.0	947.0	941.9	947.5	964.0
5°	1096.5	1091.7	1075.9	1051.2	1019.7	988.9	957.4	939.0	933.2	939.3	957.2
5.5°	1103.1	1098.0	1080.8	1053.2	1018.5	984.8	950.7	930.8	924.5	931.0	950.4
6°	1109.6	1104.1	1085.1	1055.1	1017.3	980.5	943.9	922.5	915.8	922.5	943.4
6.5°	1116.2	1109.9	1089.5	1057.0	1016.1	976.3	937.3	914.3	906.8	914.3	936.6
7°	1122.2	1115.7	1093.6	1058.7	1014.6	972.2	930.5	905.8	897.8	905.8	929.6
7.5°	1128.0	1121.0	1097.8	1060.4	1013.2	967.4	923.5	897.3	888.9	897.3	922.5
8°	1133.6	1126.3	1101.4	1061.9	1011.5	963.0	916.5	889.1	880.1	888.9	915.5
8.5°	1139.2	1131.2	1105.0	1063.1	1009.8	958.2	909.7	880.6	871.2	880.6	908.2
9°	1144.5	1136.3	1108.4	1064.1	1007.8	953.6	902.7	872.4	862.0	871.9	901.2
9.5°	1149.6	1140.9	1111.6	1065.0	1005.9	949.0	895.6	863.7	853.2	863.4	894.0
10°	1154.2	1145.2	1114.7	1066.0	1003.7	943.9	888.4	855.2	844.3	854.9	886.7
10.5°	1158.8	1149.6	1117.6	1066.7	1001.8	939.0	881.1	846.7	835.6	846.5	879.4
11°	1163.2	1153.5	1120.0	1067.2	999.4	933.9	873.8	838.2	826.6	837.7	872.1
11.5°	1167.3	1157.1	1122.7	1067.7	996.9	928.6	866.6	830.0	817.4	829.5	864.9
12°	1171.2	1160.8	1124.9	1067.7	994.3	923.3	859.3	821.0	808.7	820.8	857.4
12.5°	1174.8	1163.9	1126.8	1067.9	991.6	917.9	852.0	812.8	799.9	812.3	850.1
13°	1178.0	1167.1	1128.8	1067.7	988.9	912.9	844.5	804.3	791.0	803.6	842.6
13.5°	1181.1	1169.7	1130.5	1067.5	985.8	907.3	837.0	795.8	782.0	795.3	835.1
14°	1183.8	1172.4	1131.9	1067.2	982.9	901.7	829.7	787.3	773.3	786.6	827.6
14.5°	1186.4	1174.6	1133.1	1066.7	979.7	896.1	822.0	778.6	764.3	778.1	820.0
15°	1188.6	1176.8	1134.1	1066.0	976.6	890.3	814.5	770.1	755.6	769.6	812.5
15.5°	1190.8	1178.4	1135.1	1065.0	973.2	884.7	807.0	761.9	746.9	761.4	804.8
16°	1192.5	1180.1	1135.6	1064.1	969.8	878.9	799.4	753.4	738.1	752.7	797.3
16.5°	1194.0	1181.4	1136.0	1062.9	966.4	873.1	791.9	744.9	729.7	744.4	789.8
17°	1195.2	1182.3	1136.3	1061.4	962.5	867.1	784.2	736.4	720.9	736.0	782.2
17.5°	1196.1	1183.1	1136.3	1059.9	958.9	861.2	776.7	728.2	712.4	727.5	774.5
18°	1196.9	1183.5	1136.0	1058.5	955.0	855.4	769.2	719.7	703.7	719.2	766.7
18.5°	1197.3	1184.0	1135.6	1056.6	951.1	849.1	761.4	711.5	695.5	711.0	759.2
19°	1197.3	1184.0	1134.8	1054.6	947.0	842.8	753.9	703.2	687.2	702.8	751.7
19.5°	1197.3	1183.8	1134.1	1052.7	943.1	836.8	746.1	695.0	678.8	694.5	744.2
20°	1197.1	1183.3	1132.9	1050.3	938.8	830.7	738.4	686.8	670.5	686.3	736.4
20.5°	1196.4	1182.6	1131.7	1048.1	934.7	824.4	730.9	678.5	662.0	678.3	728.7
21°	1195.7	1181.6	1130.0	1045.4	930.1	817.9	723.1	670.5	654.0	670.0	721.2



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1191.3	1177.0	1124.2	1036.9	916.2	798.7	700.3	646.5	629.6	646.3	698.2
23°	1189.6	1175.1	1121.7	1033.8	911.6	792.2	692.6	638.5	621.6	638.3	690.6
23.5°	1187.4	1172.9	1119.1	1030.6	906.6	785.6	685.1	630.5	613.6	630.5	683.1
24°	1185.0	1170.2	1116.4	1027.0	901.5	778.8	677.3	622.8	605.8	622.5	675.4
24.5°	1182.3	1167.5	1113.3	1023.6	896.4	772.3	669.8	615.0	598.1	614.5	667.9
25°	1179.7	1164.6	1110.1	1019.7	890.8	765.3	662.3	607.0	590.1	606.8	660.1
25.5°	1176.5	1161.2	1106.7	1015.8	885.5	758.7	654.5	599.3	582.3	599.3	652.8
26°	1173.1	1158.1	1103.1	1011.5	879.7	751.7	647.0	591.5	574.6	591.3	645.1
26.5°	1169.5	1154.2	1099.2	1007.4	873.8	744.7	639.5	584.0	566.8	583.8	637.6
27°	1165.8	1150.6	1095.3	1003.0	867.8	737.6	632.0	576.3	559.3	576.0	630.1
27.5°	1162.0	1146.5	1091.0	998.2	861.2	730.6	624.2	568.5	551.8	568.5	622.8
28°	1157.6	1142.3	1086.4	993.1	854.5	723.4	616.7	560.7	544.0	560.7	615.3
28.5°	1153.2	1137.7	1082.0	988.0	847.9	715.8	609.5	553.2	536.5	553.2	607.8
29°	1148.6	1132.9	1077.2	982.4	840.6	708.3	601.7	545.7	529.2	545.7	600.2
29.5°	1143.8	1128.0	1072.1	976.6	833.4	700.8	594.4	538.2	521.7	538.5	592.7
30°	1138.9	1123.0	1067.0	970.5	825.6	692.8	586.7	530.9	514.2	530.7	585.2
30.5°	1133.9	1117.6	1061.6	964.2	817.9	684.8	579.2	523.2	506.7	523.4	578.0
31°	1129.0	1112.3	1056.1	957.7	809.9	677.1	571.7	515.7	499.4	516.2	570.4
31.5°	1124.2	1106.7	1050.3	950.4	801.6	668.8	564.1	508.6	492.2	508.6	562.9
32°	1119.3	1100.9	1044.4	943.1	793.1	660.6	556.6	501.1	484.9	501.4	555.4
32.5°	1113.5	1095.3	1038.1	935.4	784.2	652.4	549.1	493.6	477.6	494.1	548.1
33°	1107.0	1089.5	1032.1	927.4	775.0	643.9	541.6	486.6	470.4	486.8	540.6
33.5°	1099.0	1083.9	1025.8	919.2	766.0	635.4	534.1	479.3	463.1	479.8	533.1
34°	1086.6	1078.1	1019.2	910.7	756.6	626.7	526.3	472.1	456.1	472.3	525.6
34.5°	1075.7	1071.8	1012.2	901.5	747.1	617.9	518.8	464.5	448.8	465.3	518.1
35°	1059.0	1064.3	1005.2	892.0	737.2	609.0	511.3	457.5	441.5	458.0	510.8
35.5°	1043.5	1055.8	997.9	882.3	727.2	600.2	504.0	450.2	434.5	451.0	503.3
36°	1028.4	1044.0	990.4	872.1	716.8	591.3	496.3	443.2	427.5	443.9	495.8
36.5°	1009.1	1032.3	982.6	862.0	706.1	582.3	488.5	436.0	420.2	436.7	488.1
37°	993.3	1017.1	974.6	851.3	695.5	573.1	481.0	428.7	413.2	429.4	480.8
37.5°	974.2	1000.8	966.4	839.9	684.6	563.9	473.3	421.7	406.1	422.4	473.0
38°	954.3	987.2	958.2	828.3	672.9	554.7	465.8	414.4	399.1	415.4	465.5
38.5°	936.4	968.1	949.4	816.6	662.0	545.5	458.0	407.4	392.1	408.3	458.0
39°	915.0	951.9	941.0	804.8	650.4	536.3	450.2	400.3	384.8	401.3	450.7
39.5°	896.6	934.4	931.8	792.2	638.8	526.8	442.5	393.1	377.8	394.3	443.0
40°	876.5	914.3	922.5	779.1	626.7	517.1	434.7	386.0	370.8	387.2	435.2
40.5°	854.2	898.3	913.1	766.0	614.8	507.7	427.2	379.0	364.0	380.2	427.7
41°	836.0	877.7	904.4	752.7	602.7	498.2	419.2	372.0	357.0	373.2	420.4
41.5°	814.0	858.3	894.7	738.6	590.3	488.5	411.5	364.9	350.2	366.4	412.4
42°	794.1	840.2	884.0	724.3	578.0	479.1	404.0	357.9	343.1	359.4	404.9
42.5°	774.2	819.1	872.6	710.3	565.6	469.4	396.5	351.1	336.1	352.3	397.7
43°	751.7	801.4	860.8	695.7	553.0	459.9	388.7	344.1	329.1	345.6	390.1
43.5°	734.3	781.3	845.2	680.7	540.4	450.2	380.7	337.1	322.3	338.5	382.4



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	673.9	721.2	794.8	635.6	502.6	421.2	357.9	316.2	301.5	317.9	360.1
45.5°	652.6	703.2	778.1	620.1	489.7	411.7	350.4	309.2	294.7	311.2	352.6
46°	636.4	683.9	759.0	604.9	477.4	402.0	342.7	302.4	287.6	304.1	345.1
46.5°	615.5	663.3	739.6	589.1	464.8	392.6	335.1	295.4	280.6	297.3	337.3
47°	598.3	646.5	721.7	573.4	452.2	383.1	327.4	288.4	273.8	290.3	330.1
47.5°	580.6	625.7	700.8	557.8	439.6	373.7	319.9	281.6	267.0	283.8	322.5
48°	560.7	609.5	681.9	542.3	427.2	364.5	312.6	274.6	260.3	276.7	315.0
48.5°	546.5	591.0	662.5	526.6	414.9	354.8	305.1	267.8	253.5	270.0	307.5
49°	526.3	572.1	641.7	511.1	402.5	345.6	297.3	260.7	246.4	263.2	300.2
49.5°	512.8	556.6	623.5	495.3	390.6	336.4	290.1	254.0	239.7	256.4	292.7
50°	495.6	536.8	603.2	479.8	378.8	327.4	282.6	247.2	232.6	249.6	285.5
50.5°	479.8	522.7	583.8	464.3	366.4	318.2	275.3	240.1	225.9	242.8	278.2
51°	466.0	504.3	564.9	448.8	354.8	309.2	268.0	233.6	219.3	236.0	270.7
51.5°	448.3	489.7	544.8	433.8	343.6	300.7	260.7	226.6	212.3	229.2	263.7
52°	437.2	474.5	527.6	418.7	332.5	291.8	253.5	219.8	206.0	222.7	256.4
52.5°	420.7	458.0	508.6	404.0	321.1	283.3	246.7	213.0	202.8	215.9	249.4
53°	409.3	444.9	490.7	389.4	310.7	274.8	239.4	207.7	199.9	210.3	242.3
53.5°	396.0	427.5	473.0	375.1	300.0	266.3	232.4	202.3	197.0	204.8	235.3
54°	382.6	415.8	454.9	361.1	290.1	258.3	225.6	197.3	194.3	199.2	228.5
54.5°	371.7	400.1	439.1	347.5	280.1	250.1	218.8	191.9	191.4	193.6	222.0
55°	358.2	388.0	421.7	334.4	270.4	242.3	212.0	186.8	188.5	188.0	215.2
55.5°	349.0	374.9	406.6	321.8	261.2	234.8	205.5	183.9	185.4	185.1	208.6
56°	335.4	361.6	390.1	309.5	252.0	227.1	199.0	181.0	182.2	182.5	202.3
56.5°	326.9	350.4	375.6	297.6	243.5	219.8	192.2	177.9	179.1	179.3	196.0
57°	315.5	336.6	361.1	286.2	235.1	212.5	185.6	175.0	175.7	176.4	189.7
57.5°	306.5	326.9	346.3	275.0	227.1	206.0	179.8	171.8	172.3	173.3	183.2
58°	296.9	313.8	333.0	264.6	219.3	199.2	173.5	168.7	168.9	170.1	177.4
58.5°	287.2	304.9	319.4	254.4	211.8	192.4	167.4	165.5	165.3	167.0	171.1
59°	278.7	292.7	307.3	245.0	204.8	185.9	161.6	162.4	161.6	163.8	165.3
59.5°	269.0	284.3	294.4	235.5	198.0	179.8	155.8	159.0	158.0	160.4	159.7
60°	260.5	273.3	283.0	226.8	191.2	174.0	150.2	155.8	154.4	157.0	154.1
60.5°	251.8	265.1	271.4	218.3	184.2	168.2	144.9	152.2	150.7	153.6	148.8
61°	243.5	254.9	261.0	210.1	177.9	162.6	140.1	149.0	147.1	150.2	143.7
61.5°	235.8	246.7	250.1	202.3	171.8	157.0	136.9	145.4	143.2	146.9	139.1
62°	228.3	237.7	240.9	194.8	166.0	151.9	134.3	142.0	139.6	143.2	135.7
62.5°	220.5	230.0	230.7	187.8	160.2	146.9	131.3	138.6	135.9	139.8	133.0
63°	213.7	221.5	222.0	181.0	154.8	142.0	128.4	135.0	132.3	136.2	130.1
63.5°	206.5	214.2	213.0	174.2	149.5	137.2	125.8	131.6	128.9	132.8	127.5
64°	200.2	206.2	204.8	167.9	144.4	132.6	122.9	128.2	125.5	129.2	124.8
64.5°	193.1	199.4	196.5	161.9	139.3	128.2	120.0	124.8	122.1	126.0	121.9
65°	187.3	192.2	189.0	156.1	134.5	123.8	117.0	121.4	119.0	122.6	119.2
65.5°	181.0	185.9	181.7	150.7	129.9	119.7	114.4	118.3	115.8	119.2	116.3
66°	175.2	178.8	174.7	145.2	125.3	115.6	111.2	115.1	112.7	115.8	113.4



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	157.8	160.7	154.8	129.9	112.4	104.2	102.5	105.7	103.5	106.4	104.7
68°	152.4	154.6	148.5	125.0	108.3	100.6	99.6	102.7	100.6	103.5	101.8
68.5°	147.1	149.0	143.0	120.4	104.4	97.2	96.7	99.8	97.4	100.3	98.9
69°	141.8	143.7	136.9	115.8	100.8	93.8	93.8	96.7	94.5	97.4	95.7
69.5°	136.7	138.1	131.6	111.5	96.7	90.6	90.9	93.8	91.6	94.3	92.8
70°	131.8	133.0	126.5	107.4	93.3	87.2	88.0	90.9	88.7	91.4	89.9
70.5°	126.7	127.7	121.2	103.0	89.7	84.3	85.3	88.0	85.8	88.5	87.2
71°	121.9	122.9	116.3	99.1	86.3	81.2	82.4	85.1	83.1	85.5	84.3
71.5°	117.3	118.0	111.5	95.2	82.9	78.3	79.5	82.4	80.2	82.6	81.4
72°	112.7	113.2	106.6	91.4	79.5	75.4	76.8	79.5	77.3	79.7	78.5
72.5°	108.1	108.6	102.0	87.7	76.3	72.5	74.2	76.6	74.6	76.8	75.8
73°	103.5	103.7	97.7	84.3	73.2	69.8	71.5	73.7	71.7	73.9	73.2
73.5°	99.1	99.4	93.3	80.7	70.0	67.4	68.8	71.0	69.1	71.2	70.3
74°	94.8	95.0	88.9	77.3	66.9	64.7	66.2	68.1	66.4	68.3	67.6
74.5°	90.4	90.6	85.1	73.9	64.0	62.5	63.5	65.4	63.5	65.7	64.9
75°	87.0	87.0	81.2	70.5	61.1	60.3	60.8	62.5	60.8	62.8	62.3
75.5°	82.9	82.9	77.3	67.4	58.4	58.2	58.2	59.9	58.2	60.1	59.6
76°	78.8	78.8	73.4	64.2	55.5	56.0	55.7	56.9	55.5	57.4	56.9
76.5°	74.4	74.6	69.5	61.1	52.8	53.6	53.1	54.3	52.8	54.5	54.3
77°	70.3	70.5	65.7	57.9	50.2	51.4	50.4	51.6	50.2	51.9	51.6
77.5°	66.6	66.9	62.0	54.8	47.5	49.0	47.7	49.0	47.5	49.2	49.0
78°	62.8	63.0	58.6	51.9	44.8	46.8	45.3	46.0	44.6	46.5	46.5
78.5°	58.9	59.4	55.0	49.0	42.4	44.3	42.6	43.4	41.9	43.9	43.9
79°	55.3	55.5	51.6	46.0	40.0	41.9	40.2	40.7	39.3	41.0	41.2
79.5°	51.6	52.1	48.2	43.4	37.6	39.7	37.8	38.0	36.8	38.3	38.5
80°	48.0	48.5	44.8	40.5	35.1	37.3	35.4	35.4	34.2	35.6	36.1
80.5°	44.6	45.1	41.7	37.8	32.7	35.1	33.0	32.5	31.5	33.0	33.7
81°	41.2	41.7	38.5	35.1	30.5	32.7	30.5	30.0	29.1	30.3	31.0
81.5°	37.8	38.3	35.4	32.5	28.4	30.5	28.1	27.1	26.4	27.6	28.6
82°	34.4	34.9	32.5	30.0	25.9	28.4	25.7	24.7	24.0	25.2	26.4
82.5°	31.3	31.7	29.6	27.6	24.0	26.2	23.5	22.3	21.3	22.8	24.0
83°	28.1	28.6	26.9	25.2	21.8	24.0	21.3	19.9	18.9	20.1	22.1
83.5°	24.7	25.2	24.0	22.8	19.9	21.8	19.1	17.7	16.5	17.7	19.9
84°	21.6	22.1	21.6	20.4	17.7	19.6	17.2	15.3	14.1	15.3	17.9
84.5°	18.4	19.1	19.1	18.2	15.8	17.4	15.0	12.8	11.6	12.8	15.8
85°	15.5	16.2	17.0	16.0	13.6	15.3	12.8	10.9	9.5	10.7	13.8
85.5°	12.4	13.3	14.5	13.8	11.6	13.1	10.9	9.2	8.0	9.0	11.9
86°	10.2	11.1	12.4	11.6	9.9	11.1	9.0	7.8	6.8	7.5	9.9
86.5°	8.5	9.2	10.2	9.7	8.0	9.0	7.0	6.3	5.6	6.1	8.2
87°	7.0	7.5	8.2	7.5	6.3	7.0	5.3	4.8	4.1	4.8	6.5
87.5°	5.3	5.6	6.3	5.6	4.6	5.1	3.4	3.2	2.9	3.4	4.6
88°	3.9	3.9	4.4	3.6	2.9	3.2	1.7	1.7	1.7	1.9	2.9
88.5°	2.2	2.2	2.4	1.7	1.2	1.5	0.5	0.5	0.7	0.7	1.2



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4
0.5°	1019.7	1023.4	1027.2	1025.5	1026.5	1027.7
1°	1016.1	1022.9	1029.9	1031.4	1033.8	1035.7
1.5°	1012.5	1022.4	1032.8	1036.7	1041.3	1044.0
2°	1008.6	1021.9	1035.2	1042.0	1048.6	1052.0
2.5°	1004.9	1021.2	1037.7	1047.3	1055.6	1059.7
3°	1000.8	1020.2	1039.8	1052.4	1062.6	1067.5
3.5°	996.7	1019.2	1042.0	1057.5	1069.6	1075.0
4°	992.6	1018.3	1044.0	1062.4	1076.2	1082.2
4.5°	988.2	1017.1	1046.1	1067.0	1082.7	1089.5
5°	983.9	1015.8	1047.8	1071.6	1089.0	1096.5
5.5°	979.5	1014.1	1049.5	1075.9	1095.3	1103.1
6°	974.9	1012.7	1051.0	1080.3	1101.1	1109.6
6.5°	970.3	1011.0	1052.2	1084.2	1106.7	1116.2
7°	965.7	1009.3	1053.6	1088.1	1112.3	1122.2
7.5°	960.8	1007.4	1054.6	1091.7	1117.6	1128.0
8°	956.0	1005.4	1055.6	1095.3	1122.7	1133.6
8.5°	951.1	1003.2	1056.3	1098.5	1127.6	1139.2
9°	946.1	1001.1	1057.0	1101.6	1132.2	1144.5
9.5°	941.0	998.6	1057.5	1104.5	1136.8	1149.6
10°	935.9	996.2	1057.8	1107.4	1140.9	1154.2
10.5°	930.5	993.5	1058.0	1109.9	1144.8	1158.8
11°	925.2	990.9	1058.0	1112.3	1148.6	1163.2
11.5°	919.9	988.2	1057.8	1114.2	1152.3	1167.3
12°	914.6	985.1	1057.5	1116.2	1155.4	1171.2
12.5°	909.0	982.2	1057.3	1118.1	1158.6	1174.8
13°	903.4	979.0	1056.6	1119.6	1161.5	1178.0
13.5°	897.6	975.9	1055.8	1121.0	1164.1	1181.1
14°	891.8	972.5	1054.9	1122.2	1166.3	1183.8
14.5°	886.0	969.1	1053.9	1123.0	1168.5	1186.4
15°	880.1	965.4	1052.7	1123.9	1170.4	1188.6
15.5°	874.3	961.8	1051.5	1124.4	1171.9	1190.8
16°	868.5	958.2	1049.8	1124.6	1173.4	1192.5
16.5°	862.4	954.3	1048.1	1124.6	1174.3	1194.0
17°	856.1	950.4	1046.4	1124.4	1175.1	1195.2
17.5°	850.1	946.3	1044.4	1124.2	1175.8	1196.1
18°	844.0	942.2	1042.3	1123.7	1176.0	1196.9
18.5°	837.7	938.1	1039.8	1123.0	1176.0	1197.3
19°	831.7	933.7	1037.7	1121.7	1176.0	1197.3
19.5°	825.1	929.3	1035.0	1120.5	1175.5	1197.3
20°	818.8	925.0	1032.3	1119.3	1174.8	1197.1
20.5°	812.5	920.4	1029.4	1117.6	1173.8	1196.4
21°	806.0	915.5	1026.5	1115.7	1172.6	1195.7

TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	786.4	901.0	1016.6	1108.9	1167.5	1191.3
23°	779.8	895.9	1012.9	1106.2	1165.4	1189.6
23.5°	773.0	890.8	1009.1	1103.3	1162.9	1187.4
24°	766.5	885.5	1005.2	1100.2	1160.3	1185.0
24.5°	759.5	879.9	1001.1	1097.0	1157.4	1182.3
25°	752.7	874.3	996.9	1093.4	1154.2	1179.7
25.5°	745.9	868.5	992.3	1089.8	1150.8	1176.5
26°	738.9	862.7	988.0	1085.6	1147.2	1173.1
26.5°	731.8	856.6	983.1	1081.8	1143.3	1169.5
27°	724.8	850.3	978.3	1077.4	1139.7	1165.8
27.5°	717.5	843.5	973.0	1072.8	1135.3	1162.0
28°	710.0	837.0	967.6	1068.2	1131.0	1157.6
28.5°	702.8	830.0	962.0	1063.3	1126.1	1153.2
29°	695.2	822.7	956.0	1058.3	1121.5	1148.6
29.5°	687.5	815.4	949.9	1053.2	1116.4	1143.8
30°	679.5	807.9	943.4	1047.6	1111.3	1138.9
30.5°	671.7	799.9	936.6	1042.0	1105.7	1133.9
31°	663.7	792.2	929.6	1036.2	1100.2	1129.0
31.5°	655.7	783.9	922.3	1030.4	1094.6	1124.2
32°	647.7	775.7	914.8	1024.1	1088.5	1119.3
32.5°	639.3	767.0	906.8	1017.8	1082.7	1113.5
33°	631.0	758.5	898.8	1011.5	1076.7	1107.0
33.5°	622.8	749.8	890.3	1004.9	1070.6	1099.0
34°	614.3	740.6	881.6	998.2	1065.0	1086.6
34.5°	605.6	731.3	872.9	991.1	1059.0	1075.7
35°	597.1	721.9	863.7	983.9	1051.7	1059.0
35.5°	588.6	711.7	854.0	976.6	1044.0	1043.5
36°	579.7	701.8	844.3	968.8	1033.5	1028.4
36.5°	570.9	691.1	834.3	961.1	1020.9	1009.1
37°	562.2	680.5	823.7	953.1	1008.8	993.3
37.5°	553.2	669.3	812.8	944.8	991.9	974.2
38°	544.3	657.9	801.1	936.4	977.6	954.3
38.5°	534.6	646.5	789.0	927.4	961.3	936.4
39°	525.4	634.9	776.9	918.9	942.7	915.0
39.5°	516.2	623.3	764.1	910.2	928.1	896.6
40°	506.7	611.4	750.5	901.0	909.0	876.5
40.5°	497.3	599.3	736.9	891.3	890.6	854.2
41°	487.6	586.9	723.1	882.3	873.6	836.0
41.5°	478.1	575.3	709.3	873.1	853.5	814.0
42°	468.7	562.9	695.0	863.4	835.6	794.1
42.5°	459.0	550.3	680.7	853.5	816.4	774.2
43°	449.5	538.0	665.9	842.8	796.1	751.7
43.5°	439.8	525.6	651.1	831.2	778.8	734.3



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	411.2	488.1	605.8	787.3	721.2	673.9
45.5°	401.5	475.7	590.8	768.9	700.1	652.6
46°	391.8	463.3	575.3	751.9	683.4	636.4
46.5°	382.4	451.0	560.0	734.3	663.7	615.5
47°	373.2	438.9	544.8	714.1	645.8	598.3
47.5°	364.0	426.3	529.2	696.2	627.9	580.6
48°	354.5	414.1	514.0	676.6	607.8	560.7
48.5°	345.3	402.3	499.0	656.5	592.7	546.5
49°	336.4	390.1	483.7	638.3	573.4	526.3
49.5°	327.6	378.5	468.4	617.7	557.8	512.8
50°	318.4	366.9	453.4	598.6	541.4	495.6
50.5°	309.2	355.3	438.4	579.9	522.9	479.8
51°	300.7	344.1	423.6	560.3	508.9	466.0
51.5°	292.2	333.0	409.3	542.6	490.5	448.3
52°	283.8	322.5	395.2	523.4	477.6	437.2
52.5°	275.0	312.1	381.2	505.3	461.9	420.7
53°	267.0	301.7	367.1	488.3	446.9	409.3
53.5°	259.0	291.8	354.3	469.9	433.3	396.0
54°	251.1	282.3	341.2	453.6	417.0	382.6
54.5°	243.5	273.3	328.8	436.4	405.7	371.7
55°	235.8	264.1	316.7	420.7	389.9	358.2
55.5°	228.5	255.4	305.3	405.2	379.0	349.0
56°	221.5	246.9	294.2	389.2	364.9	335.4
56.5°	214.5	239.2	283.5	375.4	353.6	326.9
57°	208.2	231.2	273.1	360.6	341.7	315.5
57.5°	201.6	223.4	263.4	347.3	329.3	306.5
58°	195.3	216.2	254.0	333.2	319.1	296.9
58.5°	189.0	209.1	244.8	320.8	307.0	287.2
59°	182.5	202.3	236.3	308.5	298.1	278.7
59.5°	176.7	195.6	228.0	296.4	286.7	269.0
60°	171.1	189.3	220.0	285.0	278.4	260.5
60.5°	165.8	183.0	212.3	273.6	267.5	251.8
61°	160.4	176.9	204.8	263.4	259.8	243.5
61.5°	155.3	171.3	197.7	252.7	249.8	235.8
62°	150.2	165.8	191.0	243.5	242.3	228.3
62.5°	145.4	160.2	184.4	234.1	233.1	220.5
63°	140.8	154.8	178.1	225.1	225.9	213.7
63.5°	136.2	149.8	171.8	216.4	217.6	206.5
64°	131.8	144.9	165.8	208.4	210.6	200.2
64.5°	127.7	140.1	160.2	200.2	202.6	193.1
65°	123.6	135.5	154.6	192.7	196.3	187.3
65.5°	119.5	130.9	149.3	185.4	188.8	181.0
66°	115.6	126.5	143.9	178.4	183.0	175.2



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	104.4	113.9	129.4	159.0	163.8	157.8
68°	101.1	109.8	124.6	152.9	158.2	152.4
68.5°	97.7	105.9	120.2	147.1	152.4	147.1
69°	94.3	102.3	115.8	141.5	146.9	141.8
69.5°	91.1	98.6	111.5	135.9	141.5	136.7
70°	88.0	95.0	107.4	130.6	135.9	131.8
70.5°	84.8	91.4	103.2	125.5	130.9	126.7
71°	81.9	87.7	99.4	120.4	125.8	121.9
71.5°	79.0	84.6	95.5	115.6	120.9	117.3
72°	76.1	81.4	91.6	110.7	116.1	112.7
72.5°	73.2	78.3	88.0	106.4	111.2	108.1
73°	70.5	75.4	84.6	101.8	106.9	103.5
73.5°	67.9	72.2	81.2	97.2	102.0	99.1
74°	65.4	69.1	77.8	93.1	97.7	94.8
74.5°	62.8	66.2	74.4	88.7	93.3	90.4
75°	60.6	63.2	71.0	84.8	88.9	87.0
75.5°	58.4	60.3	67.9	80.9	85.1	82.9
76°	56.2	57.4	64.5	77.1	80.9	78.8
76.5°	53.8	54.8	61.6	73.2	77.1	74.4
77°	51.6	52.1	58.4	69.3	72.9	70.3
77.5°	49.2	49.4	55.5	65.7	69.1	66.6
78°	46.8	46.8	52.6	62.0	65.2	62.8
78.5°	44.6	44.3	49.4	58.4	61.6	58.9
79°	42.2	41.7	46.8	54.8	57.7	55.3
79.5°	39.7	39.3	43.9	51.4	54.0	51.6
80°	37.6	36.8	41.2	48.0	50.4	48.0
80.5°	35.1	34.4	38.5	44.8	47.0	44.6
81°	32.7	32.2	35.9	41.7	43.4	41.2
81.5°	30.5	29.8	33.2	38.5	40.0	37.8
82°	28.4	27.6	30.5	35.4	36.6	34.4
82.5°	26.2	25.4	28.1	32.5	33.4	31.3
83°	24.0	23.3	25.7	29.6	30.3	28.1
83.5°	21.8	21.1	23.3	26.9	26.9	24.7
84°	19.6	19.1	20.8	24.2	23.7	21.6
84.5°	17.4	17.0	18.7	21.6	20.8	18.4
85°	15.3	15.0	16.2	19.1	18.2	15.5
85.5°	13.1	13.1	14.1	16.7	15.5	12.4
86°	10.9	11.1	11.9	14.5	13.1	10.2
86.5°	9.0	9.2	9.7	12.1	10.9	8.5
87°	7.0	7.3	7.8	9.9	9.0	7.0
87.5°	5.1	5.6	5.8	8.0	7.0	5.3
88°	3.2	3.6	3.9	6.1	5.1	3.9
88.5°	1.5	1.9	1.7	4.1	3.4	2.2



TEST NUMBER: P776110

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-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°	1194.4	1180.1	1128.3	1042.7	925.7	811.3	715.6	662.5	645.8	662.0	713.4
22°	1193.0	1178.7	1126.3	1039.8	921.1	805.3	707.8	654.5	637.8	654.0	705.9



44°	712.4	760.2	830.2	666.2	527.8	440.6	373.2	330.1	315.5	331.5	374.9
44.5°	693.5	742.3	813.5	650.7	515.2	430.9	365.7	323.0	308.5	324.7	367.4



66.5°	169.1	173.0	167.7	139.8	120.9	111.7	108.3	112.0	109.5	112.7	110.5
67°	163.6	166.5	161.1	134.7	116.6	107.8	105.4	108.8	106.4	109.5	107.6



89°	0.7	0.5	0.5	0.5	0.2	0.2	0.0	0.2	0.0	0.2	0.2
89.5°	0.0	0.2	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°	799.4	910.9	1023.1	1113.7	1171.2	1194.4
22°	792.9	906.1	1020.0	1111.6	1169.5	1193.0



44°	430.1	513.3	635.9	817.1	758.0	712.4
44.5°	420.9	500.9	620.8	801.6	739.8	693.5

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

Scaled Data Report



66.5°	111.7	122.1	139.1	171.8	175.9	169.1
67°	108.1	118.0	134.0	165.0	170.4	163.6

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

Scaled Data Report



89°	0.2	0.5	0.5	2.2	1.5	0.7
89.5°	0.0	0.0	0.0	0.5	0.2	0.0

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

Scaled Data Report



(END OF REPORT)