

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: P776118

Luminaire Tested: HCDJBS1525CSD-HCD6TSQMB-2500lm-4000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B015-HCD6TSQMB)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K
Description: 6 INCH SQUARE MEDIUM MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 4000K CCT
Ballast/Driver: -

Summary

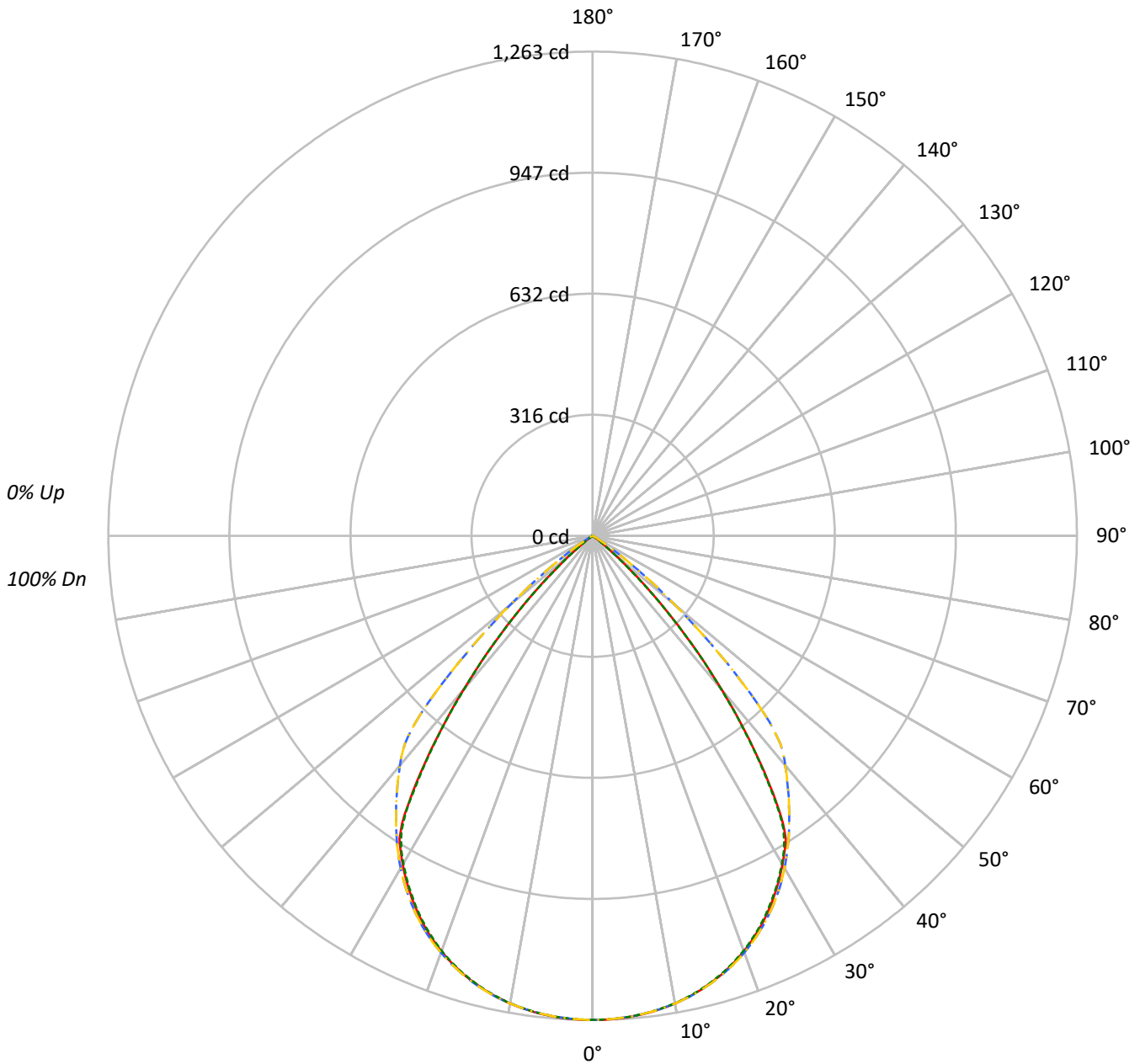
Lumens per Lamp: N/A
Luminaire Lumens: 1822.1 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (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: P776118
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQMB-2500lm-4000K

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	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	98	97	96	95	94	92
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	90	88	90	88	86	84
	2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	81	78	84	81	78	77
	3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77	74	71	78	74	71	70
	4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70	70	67	64	73	69	65	64
	5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64	64	61	58	68	63	60	58
	6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58	58	55	63	58	55	53	53
	7	78	68	61	56	77	67	60	56	65	60	56	64	59	55	63	58	55	53	53	50	57	51	47	45	45
	8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	46	54	48	44	42	42
	9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45	45	42	50	44	40	38	38
	10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42	42	39	46	40	36	34	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	54366	54366	54366	54366
5°	54341	54319	54341	54319
10°	54160	54125	54160	54125
15°	53699	53654	53699	53654
20°	52843	52774	52843	52774
25°	51393	51260	51393	51260
30°	49234	49080	49234	49080
35°	43090	42811	43090	42811
40°	29423	29238	29423	29238
45°	15320	15332	15320	15332
50°	4461	4414	4461	4414
55°	135	173	135	173
60°	43	43	43	43
65°	31	31	31	31
70°	38	38	38	38
75°	0	50	0	50
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 35420 cd/sqm



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMB-2500lm-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	6.6
10°-20°	339.6	18.6
20°-30°	498.4	27.4
30°-40°	528.8	29.0
40°-50°	295.3	16.2
50°-60°	39.9	2.2
60°-70°	0.5	0.0
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	957.4	52.5
0°-40°	1486.2	81.6
0°-60°	1821.4	100.0
0°-90°	1822.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1822.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1263	1263	1263	1263	1263	
5°	1257	1257	1257	1257	1257	119
15°	1205	1204	1205	1204	1205	339
25°	1082	1079	1082	1079	1082	497
35°	820	814	820	814	820	495
45°	252	252	252	252	252	201
55°	2	2	2	2	2	11
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7
0.5°	1263.2	1262.7	1262.7	1262.4	1262.7	1262.4	1262.7	1262.7	1263.2	1262.7	1262.7
1°	1262.9	1262.7	1262.4	1262.4	1262.7	1262.4	1262.4	1262.7	1262.9	1262.7	1262.4
1.5°	1262.7	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.7	1262.2	1262.2
2°	1262.2	1261.9	1261.7	1261.7	1261.9	1261.7	1261.7	1261.9	1262.2	1261.9	1261.7
2.5°	1261.7	1261.4	1261.2	1261.2	1261.4	1261.2	1261.2	1261.4	1261.7	1261.4	1261.2
3°	1261.2	1260.6	1260.6	1260.6	1260.6	1260.6	1260.6	1260.6	1261.2	1260.6	1260.6
3.5°	1260.4	1260.1	1259.9	1259.9	1259.9	1259.9	1259.9	1260.1	1260.4	1260.1	1259.9
4°	1259.6	1259.1	1258.9	1258.9	1259.1	1258.9	1258.9	1259.1	1259.6	1259.1	1258.9
4.5°	1258.6	1258.1	1258.1	1257.8	1258.1	1257.8	1258.1	1258.1	1258.6	1258.1	1258.1
5°	1257.3	1257.1	1256.8	1256.8	1256.8	1256.8	1256.8	1257.1	1257.3	1257.1	1256.8
5.5°	1256.1	1255.8	1255.6	1255.6	1255.6	1255.6	1255.6	1255.8	1256.1	1255.8	1255.6
6°	1254.8	1254.5	1254.3	1254.0	1254.3	1254.0	1254.3	1254.5	1254.8	1254.5	1254.3
6.5°	1253.3	1253.0	1252.8	1252.8	1252.8	1252.8	1252.8	1253.0	1253.3	1253.0	1252.8
7°	1251.7	1251.5	1251.2	1251.0	1251.0	1251.0	1251.2	1251.5	1251.7	1251.5	1251.2
7.5°	1250.0	1249.7	1249.5	1249.2	1249.2	1249.2	1249.5	1249.7	1250.0	1249.7	1249.5
8°	1247.9	1247.7	1247.7	1247.4	1247.4	1247.4	1247.7	1247.7	1247.9	1247.7	1247.7
8.5°	1245.9	1245.6	1245.6	1245.4	1245.1	1245.4	1245.6	1245.6	1245.9	1245.6	1245.6
9°	1243.6	1243.6	1243.3	1243.1	1242.8	1243.1	1243.3	1243.6	1243.6	1243.6	1243.3
9.5°	1241.3	1241.3	1241.1	1240.8	1240.6	1240.8	1241.1	1241.3	1241.3	1241.3	1241.1
10°	1238.8	1238.8	1238.8	1238.3	1238.0	1238.3	1238.8	1238.8	1238.8	1238.8	1238.8
10.5°	1236.2	1236.2	1236.2	1235.7	1235.5	1235.7	1236.2	1236.2	1236.2	1236.2	1236.2
11°	1233.2	1233.4	1233.4	1232.9	1232.4	1232.9	1233.4	1233.4	1233.2	1233.4	1233.4
11.5°	1230.4	1230.6	1230.6	1229.9	1229.4	1229.9	1230.6	1230.6	1230.4	1230.6	1230.6
12°	1227.3	1227.6	1227.6	1226.8	1226.3	1226.8	1227.6	1227.6	1227.3	1227.6	1227.6
12.5°	1224.0	1224.3	1224.5	1223.5	1223.0	1223.5	1224.5	1224.3	1224.0	1224.3	1224.5
13°	1220.5	1221.0	1221.2	1220.2	1219.4	1220.2	1221.2	1221.0	1220.5	1221.0	1221.2
13.5°	1216.9	1217.4	1217.7	1216.6	1215.9	1216.6	1217.7	1217.4	1216.9	1217.4	1217.7
14°	1212.8	1213.6	1214.1	1212.8	1212.1	1212.8	1214.1	1213.6	1212.8	1213.6	1214.1
14.5°	1209.0	1209.8	1210.3	1209.0	1208.0	1209.0	1210.3	1209.8	1209.0	1209.8	1210.3
15°	1204.7	1205.7	1206.2	1204.9	1203.7	1204.9	1206.2	1205.7	1204.7	1205.7	1206.2
15.5°	1200.6	1201.4	1202.1	1200.6	1199.3	1200.6	1202.1	1201.4	1200.6	1201.4	1202.1
16°	1196.0	1197.1	1197.8	1196.3	1194.8	1196.3	1197.8	1197.1	1196.0	1197.1	1197.8
16.5°	1191.5	1192.5	1193.2	1191.7	1190.2	1191.7	1193.2	1192.5	1191.5	1192.5	1193.2
17°	1186.4	1187.9	1188.7	1186.9	1185.1	1186.9	1188.7	1187.9	1186.4	1187.9	1188.7
17.5°	1181.5	1182.8	1183.8	1182.0	1180.0	1182.0	1183.8	1182.8	1181.5	1182.8	1183.8
18°	1176.2	1177.7	1178.7	1176.7	1174.7	1176.7	1178.7	1177.7	1176.2	1177.7	1178.7
18.5°	1170.9	1172.6	1173.7	1171.6	1169.3	1171.6	1173.7	1172.6	1170.9	1172.6	1173.7
19°	1165.3	1167.0	1168.3	1165.8	1163.5	1165.8	1168.3	1167.0	1165.3	1167.0	1168.3
19.5°	1159.4	1161.4	1162.7	1160.2	1157.9	1160.2	1162.7	1161.4	1159.4	1161.4	1162.7
20°	1153.3	1155.6	1157.1	1154.3	1151.8	1154.3	1157.1	1155.6	1153.3	1155.6	1157.1
20.5°	1147.2	1149.7	1151.3	1148.2	1145.4	1148.2	1151.3	1149.7	1147.2	1149.7	1151.3
21°	1140.8	1143.4	1145.2	1142.1	1138.8	1142.1	1145.2	1143.4	1140.8	1143.4	1145.2



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1120.2	1123.5	1125.6	1122.0	1117.9	1122.0	1125.6	1123.5	1120.2	1123.5	1125.6
23°	1113.1	1116.4	1118.7	1114.9	1110.6	1114.9	1118.7	1116.4	1113.1	1116.4	1118.7
23.5°	1105.7	1109.3	1111.8	1107.5	1102.9	1107.5	1111.8	1109.3	1105.7	1109.3	1111.8
24°	1097.9	1101.9	1104.5	1099.9	1095.3	1099.9	1104.5	1101.9	1097.9	1101.9	1104.5
24.5°	1090.0	1094.0	1097.1	1092.3	1087.4	1092.3	1097.1	1094.0	1090.0	1094.0	1097.1
25°	1081.8	1086.2	1089.2	1084.1	1079.0	1084.1	1089.2	1086.2	1081.8	1086.2	1089.2
25.5°	1073.7	1078.0	1081.6	1076.0	1070.6	1076.0	1081.6	1078.0	1073.7	1078.0	1081.6
26°	1065.3	1069.9	1073.4	1067.8	1062.0	1067.8	1073.4	1069.9	1065.3	1069.9	1073.4
26.5°	1056.6	1061.2	1065.0	1059.2	1053.3	1059.2	1065.0	1061.2	1056.6	1061.2	1065.0
27°	1047.5	1052.8	1056.6	1050.5	1044.4	1050.5	1056.6	1052.8	1047.5	1052.8	1056.6
27.5°	1038.3	1043.9	1048.0	1041.4	1035.5	1041.4	1048.0	1043.9	1038.3	1043.9	1048.0
28°	1029.2	1034.8	1039.1	1032.5	1025.9	1032.5	1039.1	1034.8	1029.2	1034.8	1039.1
28.5°	1019.8	1025.6	1029.9	1023.3	1016.5	1023.3	1029.9	1025.6	1019.8	1025.6	1029.9
29°	1010.1	1016.5	1020.5	1013.9	1006.8	1013.9	1020.5	1016.5	1010.1	1016.5	1020.5
29.5°	1000.4	1006.8	1011.1	1004.5	997.1	1004.5	1011.1	1006.8	1000.4	1006.8	1011.1
30°	990.3	997.1	1001.2	994.8	987.2	994.8	1001.2	997.1	990.3	997.1	1001.2
30.5°	980.3	987.5	991.3	985.2	977.0	985.2	991.3	987.5	980.3	987.5	991.3
31°	969.9	977.5	981.1	975.2	966.6	975.2	981.1	977.5	969.9	977.5	981.1
31.5°	959.5	967.6	970.7	965.1	955.9	965.1	970.7	967.6	959.5	967.6	970.7
32°	948.8	957.2	960.2	954.9	942.4	954.9	960.2	957.2	948.8	957.2	960.2
32.5°	937.6	946.8	949.6	944.5	928.7	944.5	949.6	946.8	937.6	946.8	949.6
33°	919.5	936.3	938.6	934.0	913.7	934.0	938.6	936.3	919.5	936.3	938.6
33.5°	900.0	925.9	927.7	923.4	893.3	923.4	927.7	925.9	900.0	925.9	927.7
34°	876.0	915.2	916.5	910.4	870.7	910.4	916.5	915.2	876.0	915.2	916.5
34.5°	848.3	903.8	905.3	896.1	843.7	896.1	905.3	903.8	848.3	903.8	905.3
35°	819.8	886.7	894.1	881.6	814.5	881.6	894.1	886.7	819.8	886.7	894.1
35.5°	791.3	869.9	882.9	863.3	785.0	863.3	882.9	869.9	791.3	869.9	882.9
36°	761.8	847.3	871.5	843.0	755.7	843.0	871.5	847.3	761.8	847.3	871.5
36.5°	732.1	823.4	860.3	818.3	727.0	818.3	860.3	823.4	732.1	823.4	860.3
37°	701.8	796.2	849.1	792.1	697.5	792.1	849.1	796.2	701.8	796.2	849.1
37.5°	672.5	769.0	837.6	764.4	668.5	764.4	837.6	769.0	672.5	769.0	837.6
38°	642.0	741.0	826.4	736.1	639.2	736.1	826.4	741.0	642.0	741.0	826.4
38.5°	612.5	713.0	815.0	708.4	609.7	708.4	815.0	713.0	612.5	713.0	815.0
39°	583.0	684.5	804.1	680.9	579.7	680.9	804.1	684.5	583.0	684.5	804.1
39.5°	553.5	656.5	792.9	653.5	549.9	653.5	792.9	656.5	553.5	656.5	792.9
40°	523.5	628.0	781.7	625.7	520.2	625.7	781.7	628.0	523.5	628.0	781.7
40.5°	494.2	600.1	770.5	597.8	491.2	597.8	770.5	600.1	494.2	600.1	770.5
41°	465.7	572.1	759.0	570.0	462.4	570.0	759.0	572.1	465.7	572.1	759.0
41.5°	437.3	544.1	746.3	541.8	435.0	541.8	746.3	544.1	437.3	544.1	746.3
42°	408.8	516.1	732.1	513.8	407.2	513.8	732.1	516.1	408.8	516.1	732.1
42.5°	381.6	488.6	713.5	486.1	379.8	486.1	713.5	488.6	381.6	488.6	713.5
43°	354.3	460.9	692.4	458.9	353.1	458.9	692.4	460.9	354.3	460.9	692.4
43.5°	327.9	434.0	669.8	432.2	326.4	432.2	669.8	434.0	327.9	434.0	669.8



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	251.6	355.4	581.7	354.3	251.8	354.3	581.7	355.4	251.6	355.4	581.7
45.5°	228.7	329.9	548.7	329.2	228.7	329.2	548.7	329.9	228.7	329.9	548.7
46°	206.3	305.0	515.9	304.2	206.3	304.2	515.9	305.0	206.3	305.0	515.9
46.5°	184.2	280.6	483.6	279.8	183.7	279.8	483.6	280.6	184.2	280.6	483.6
47°	162.5	256.7	451.2	256.7	161.8	256.7	451.2	256.7	162.5	256.7	451.2
47.5°	141.7	234.0	420.5	234.3	141.9	234.3	420.5	234.0	141.7	234.0	420.5
48°	123.4	212.1	390.7	212.1	123.4	212.1	390.7	212.1	123.4	212.1	390.7
48.5°	106.6	190.8	362.0	190.5	106.3	190.5	362.0	190.8	106.6	190.8	362.0
49°	92.6	169.7	334.0	169.4	90.3	169.4	334.0	169.7	92.6	169.7	334.0
49.5°	79.4	149.3	306.8	149.3	77.8	149.3	306.8	149.3	79.4	149.3	306.8
50°	66.6	130.7	280.3	130.7	65.9	130.7	280.3	130.7	66.6	130.7	280.3
50.5°	54.9	114.5	254.9	112.9	54.4	112.9	254.9	114.5	54.9	114.5	254.9
51°	45.0	98.9	232.0	96.7	45.0	96.7	232.0	98.9	45.0	98.9	232.0
51.5°	36.1	85.5	209.6	83.4	35.4	83.4	209.6	85.5	36.1	85.5	209.6
52°	28.7	72.2	187.7	70.7	27.2	70.7	187.7	72.2	28.7	72.2	187.7
52.5°	21.6	60.0	166.4	58.5	19.3	58.5	166.4	60.0	21.6	60.0	166.4
53°	14.5	49.1	146.5	48.1	12.0	48.1	146.5	49.1	14.5	49.1	146.5
53.5°	9.7	39.2	128.5	37.6	7.1	37.6	128.5	39.2	9.7	39.2	128.5
54°	4.6	31.5	111.7	29.3	4.1	29.3	111.7	31.5	4.6	31.5	111.7
54.5°	2.8	24.2	97.2	21.6	3.1	21.6	97.2	24.2	2.8	24.2	97.2
55°	1.8	16.8	83.4	14.2	2.3	14.2	83.4	16.8	1.8	16.8	83.4
55.5°	0.8	10.7	70.7	9.7	1.5	9.7	70.7	10.7	0.8	10.7	70.7
56°	0.5	4.6	59.0	7.1	0.8	7.1	59.0	4.6	0.5	4.6	59.0
56.5°	0.5	2.3	47.8	4.3	0.5	4.3	47.8	2.3	0.5	2.3	47.8
57°	0.5	1.3	38.9	2.3	0.5	2.3	38.9	1.3	0.5	1.3	38.9
57.5°	0.5	1.0	31.3	1.0	0.5	1.0	31.3	1.0	0.5	1.0	31.3
58°	0.5	0.5	25.2	0.5	0.5	0.5	25.2	0.5	0.5	0.5	25.2
58.5°	0.5	0.5	19.6	0.5	0.5	0.5	19.6	0.5	0.5	0.5	19.6
59°	0.5	0.5	14.5	0.5	0.5	0.5	14.5	0.5	0.5	0.5	14.5
59.5°	0.5	0.5	10.7	0.5	0.5	0.5	10.7	0.5	0.5	0.5	10.7
60°	0.5	0.5	7.4	0.5	0.5	0.5	7.4	0.5	0.5	0.5	7.4
60.5°	0.5	0.5	5.1	0.5	0.5	0.5	5.1	0.5	0.5	0.5	5.1
61°	0.5	0.5	3.3	0.5	0.5	0.5	3.3	0.5	0.5	0.5	3.3
61.5°	0.5	0.5	2.0	0.5	0.5	0.5	2.0	0.5	0.5	0.5	2.0
62°	0.3	0.3	1.0	0.5	0.5	0.5	1.0	0.3	0.3	0.3	1.0
62.5°	0.3	0.3	0.8	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.8
63°	0.3	0.3	0.5	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.5
63.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
64°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
64.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74.5°	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
75°	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776118
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

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: P776118

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7
0.5°	1262.4	1262.7	1262.4	1262.7	1262.7	1263.2
1°	1262.4	1262.7	1262.4	1262.4	1262.7	1262.9
1.5°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.7
2°	1261.7	1261.9	1261.7	1261.7	1261.9	1262.2
2.5°	1261.2	1261.4	1261.2	1261.2	1261.4	1261.7
3°	1260.6	1260.6	1260.6	1260.6	1260.6	1261.2
3.5°	1259.9	1259.9	1259.9	1259.9	1260.1	1260.4
4°	1258.9	1259.1	1258.9	1258.9	1259.1	1259.6
4.5°	1257.8	1258.1	1257.8	1258.1	1258.1	1258.6
5°	1256.8	1256.8	1256.8	1256.8	1257.1	1257.3
5.5°	1255.6	1255.6	1255.6	1255.6	1255.8	1256.1
6°	1254.0	1254.3	1254.0	1254.3	1254.5	1254.8
6.5°	1252.8	1252.8	1252.8	1252.8	1253.0	1253.3
7°	1251.0	1251.0	1251.0	1251.2	1251.5	1251.7
7.5°	1249.2	1249.2	1249.2	1249.5	1249.7	1250.0
8°	1247.4	1247.4	1247.4	1247.7	1247.7	1247.9
8.5°	1245.4	1245.1	1245.4	1245.6	1245.6	1245.9
9°	1243.1	1242.8	1243.1	1243.3	1243.6	1243.6
9.5°	1240.8	1240.6	1240.8	1241.1	1241.3	1241.3
10°	1238.3	1238.0	1238.3	1238.8	1238.8	1238.8
10.5°	1235.7	1235.5	1235.7	1236.2	1236.2	1236.2
11°	1232.9	1232.4	1232.9	1233.4	1233.4	1233.2
11.5°	1229.9	1229.4	1229.9	1230.6	1230.6	1230.4
12°	1226.8	1226.3	1226.8	1227.6	1227.6	1227.3
12.5°	1223.5	1223.0	1223.5	1224.5	1224.3	1224.0
13°	1220.2	1219.4	1220.2	1221.2	1221.0	1220.5
13.5°	1216.6	1215.9	1216.6	1217.7	1217.4	1216.9
14°	1212.8	1212.1	1212.8	1214.1	1213.6	1212.8
14.5°	1209.0	1208.0	1209.0	1210.3	1209.8	1209.0
15°	1204.9	1203.7	1204.9	1206.2	1205.7	1204.7
15.5°	1200.6	1199.3	1200.6	1202.1	1201.4	1200.6
16°	1196.3	1194.8	1196.3	1197.8	1197.1	1196.0
16.5°	1191.7	1190.2	1191.7	1193.2	1192.5	1191.5
17°	1186.9	1185.1	1186.9	1188.7	1187.9	1186.4
17.5°	1182.0	1180.0	1182.0	1183.8	1182.8	1181.5
18°	1176.7	1174.7	1176.7	1178.7	1177.7	1176.2
18.5°	1171.6	1169.3	1171.6	1173.7	1172.6	1170.9
19°	1165.8	1163.5	1165.8	1168.3	1167.0	1165.3
19.5°	1160.2	1157.9	1160.2	1162.7	1161.4	1159.4
20°	1154.3	1151.8	1154.3	1157.1	1155.6	1153.3
20.5°	1148.2	1145.4	1148.2	1151.3	1149.7	1147.2
21°	1142.1	1138.8	1142.1	1145.2	1143.4	1140.8



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1122.0	1117.9	1122.0	1125.6	1123.5	1120.2
23°	1114.9	1110.6	1114.9	1118.7	1116.4	1113.1
23.5°	1107.5	1102.9	1107.5	1111.8	1109.3	1105.7
24°	1099.9	1095.3	1099.9	1104.5	1101.9	1097.9
24.5°	1092.3	1087.4	1092.3	1097.1	1094.0	1090.0
25°	1084.1	1079.0	1084.1	1089.2	1086.2	1081.8
25.5°	1076.0	1070.6	1076.0	1081.6	1078.0	1073.7
26°	1067.8	1062.0	1067.8	1073.4	1069.9	1065.3
26.5°	1059.2	1053.3	1059.2	1065.0	1061.2	1056.6
27°	1050.5	1044.4	1050.5	1056.6	1052.8	1047.5
27.5°	1041.4	1035.5	1041.4	1048.0	1043.9	1038.3
28°	1032.5	1025.9	1032.5	1039.1	1034.8	1029.2
28.5°	1023.3	1016.5	1023.3	1029.9	1025.6	1019.8
29°	1013.9	1006.8	1013.9	1020.5	1016.5	1010.1
29.5°	1004.5	997.1	1004.5	1011.1	1006.8	1000.4
30°	994.8	987.2	994.8	1001.2	997.1	990.3
30.5°	985.2	977.0	985.2	991.3	987.5	980.3
31°	975.2	966.6	975.2	981.1	977.5	969.9
31.5°	965.1	955.9	965.1	970.7	967.6	959.5
32°	954.9	942.4	954.9	960.2	957.2	948.8
32.5°	944.5	928.7	944.5	949.6	946.8	937.6
33°	934.0	913.7	934.0	938.6	936.3	919.5
33.5°	923.4	893.3	923.4	927.7	925.9	900.0
34°	910.4	870.7	910.4	916.5	915.2	876.0
34.5°	896.1	843.7	896.1	905.3	903.8	848.3
35°	881.6	814.5	881.6	894.1	886.7	819.8
35.5°	863.3	785.0	863.3	882.9	869.9	791.3
36°	843.0	755.7	843.0	871.5	847.3	761.8
36.5°	818.3	727.0	818.3	860.3	823.4	732.1
37°	792.1	697.5	792.1	849.1	796.2	701.8
37.5°	764.4	668.5	764.4	837.6	769.0	672.5
38°	736.1	639.2	736.1	826.4	741.0	642.0
38.5°	708.4	609.7	708.4	815.0	713.0	612.5
39°	680.9	579.7	680.9	804.1	684.5	583.0
39.5°	653.5	549.9	653.5	792.9	656.5	553.5
40°	625.7	520.2	625.7	781.7	628.0	523.5
40.5°	597.8	491.2	597.8	770.5	600.1	494.2
41°	570.0	462.4	570.0	759.0	572.1	465.7
41.5°	541.8	435.0	541.8	746.3	544.1	437.3
42°	513.8	407.2	513.8	732.1	516.1	408.8
42.5°	486.1	379.8	486.1	713.5	488.6	381.6
43°	458.9	353.1	458.9	692.4	460.9	354.3
43.5°	432.2	326.4	432.2	669.8	434.0	327.9



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	354.3	251.8	354.3	581.7	355.4	251.6
45.5°	329.2	228.7	329.2	548.7	329.9	228.7
46°	304.2	206.3	304.2	515.9	305.0	206.3
46.5°	279.8	183.7	279.8	483.6	280.6	184.2
47°	256.7	161.8	256.7	451.2	256.7	162.5
47.5°	234.3	141.9	234.3	420.5	234.0	141.7
48°	212.1	123.4	212.1	390.7	212.1	123.4
48.5°	190.5	106.3	190.5	362.0	190.8	106.6
49°	169.4	90.3	169.4	334.0	169.7	92.6
49.5°	149.3	77.8	149.3	306.8	149.3	79.4
50°	130.7	65.9	130.7	280.3	130.7	66.6
50.5°	112.9	54.4	112.9	254.9	114.5	54.9
51°	96.7	45.0	96.7	232.0	98.9	45.0
51.5°	83.4	35.4	83.4	209.6	85.5	36.1
52°	70.7	27.2	70.7	187.7	72.2	28.7
52.5°	58.5	19.3	58.5	166.4	60.0	21.6
53°	48.1	12.0	48.1	146.5	49.1	14.5
53.5°	37.6	7.1	37.6	128.5	39.2	9.7
54°	29.3	4.1	29.3	111.7	31.5	4.6
54.5°	21.6	3.1	21.6	97.2	24.2	2.8
55°	14.2	2.3	14.2	83.4	16.8	1.8
55.5°	9.7	1.5	9.7	70.7	10.7	0.8
56°	7.1	0.8	7.1	59.0	4.6	0.5
56.5°	4.3	0.5	4.3	47.8	2.3	0.5
57°	2.3	0.5	2.3	38.9	1.3	0.5
57.5°	1.0	0.5	1.0	31.3	1.0	0.5
58°	0.5	0.5	0.5	25.2	0.5	0.5
58.5°	0.5	0.5	0.5	19.6	0.5	0.5
59°	0.5	0.5	0.5	14.5	0.5	0.5
59.5°	0.5	0.5	0.5	10.7	0.5	0.5
60°	0.5	0.5	0.5	7.4	0.5	0.5
60.5°	0.5	0.5	0.5	5.1	0.5	0.5
61°	0.5	0.5	0.5	3.3	0.5	0.5
61.5°	0.5	0.5	0.5	2.0	0.5	0.5
62°	0.5	0.5	0.5	1.0	0.3	0.3
62.5°	0.3	0.3	0.3	0.8	0.3	0.3
63°	0.3	0.3	0.3	0.5	0.3	0.3
63.5°	0.3	0.3	0.3	0.3	0.3	0.3
64°	0.3	0.3	0.3	0.3	0.3	0.3
64.5°	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3
65.5°	0.3	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.3	0.3	0.3	0.3	0.3	0.3
68°	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3
74°	0.3	0.3	0.3	0.3	0.3	0.3
74.5°	0.3	0.3	0.3	0.0	0.3	0.3
75°	0.3	0.3	0.3	0.0	0.0	0.0
75.5°	0.3	0.3	0.3	0.0	0.0	0.0
76°	0.0	0.3	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776118

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMB-2500lm-4000K

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

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

Scaled Data Report



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°	1134.2	1137.0	1138.8	1135.5	1131.9	1135.5	1138.8	1137.0	1134.2	1137.0	1138.8
22°	1127.4	1130.4	1132.2	1128.9	1125.1	1128.9	1132.2	1130.4	1127.4	1130.4	1132.2



44°	301.7	407.0	642.3	405.7	300.4	405.7	642.3	407.0	301.7	407.0	642.3
44.5°	276.5	381.0	612.5	380.0	275.5	380.0	612.5	381.0	276.5	381.0	612.5



66.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report





21.5°	1135.5	1131.9	1135.5	1138.8	1137.0	1134.2
22°	1128.9	1125.1	1128.9	1132.2	1130.4	1127.4



44°	405.7	300.4	405.7	642.3	407.0	301.7
44.5°	380.0	275.5	380.0	612.5	381.0	276.5

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

Scaled Data Report



66.5°	0.3	0.3	0.3	0.3	0.3	0.3
67°	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report



89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



(END OF REPORT)