

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: P776210

Luminaire Tested: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B027)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K
Description: 8 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: 2166.5 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.3
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
CIE Type: Direct

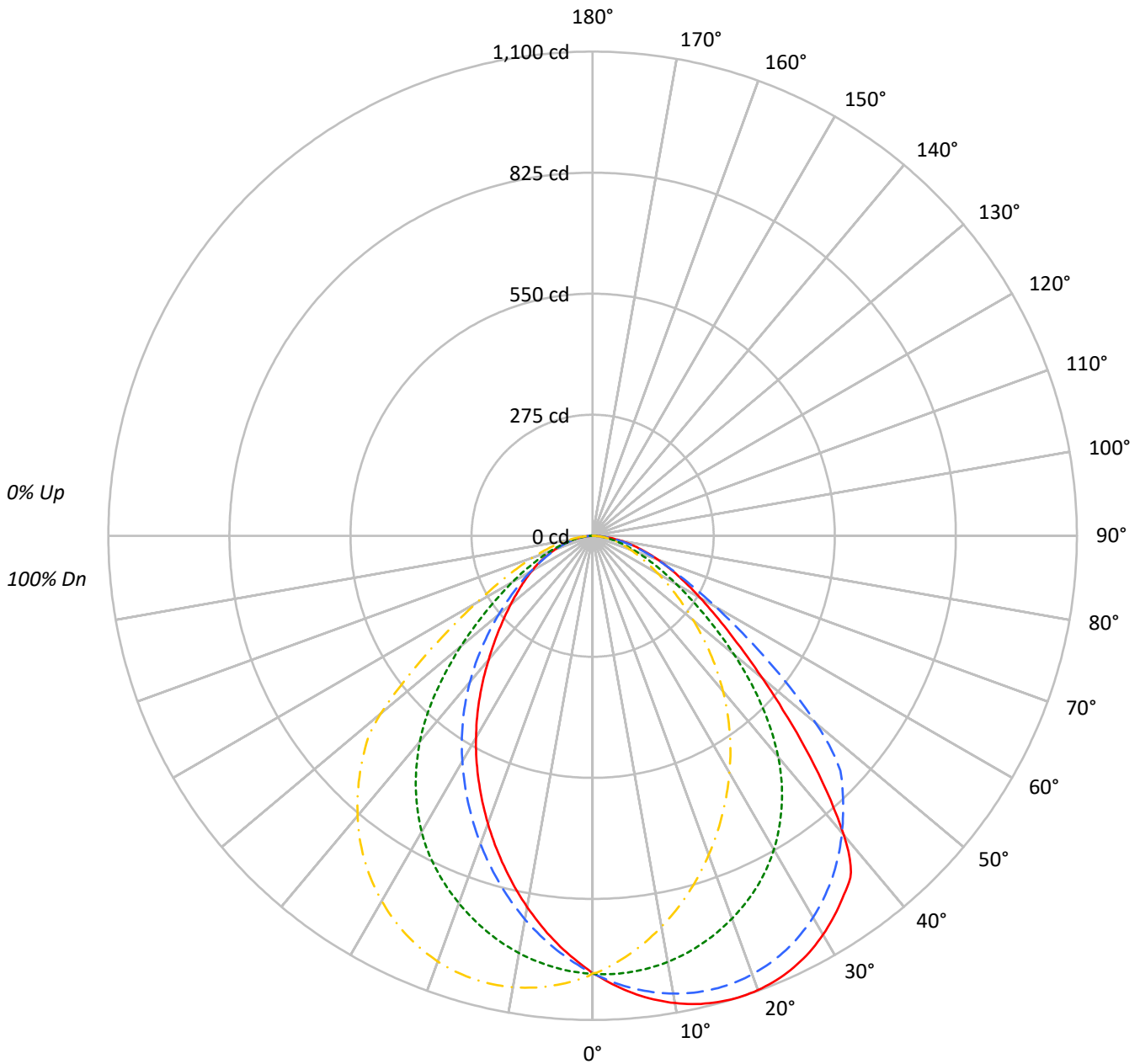
Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-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																			
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87																			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75																			
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	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	54	65	58	53	63	57	52	61	56	52	50																			
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44																			
7	69	56	48	43	67	56	48	42	54	47	42	53	46	42	51	46	42	40																			
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	38	36																			
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32																			
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23839	23839	23839	23839
5°	25095	23947	22368	23697
10°	26248	23937	20847	23435
15°	27230	23821	19293	23094
20°	28026	23614	17750	22670
25°	28621	23311	16213	22179
30°	28975	22795	14669	21500
35°	29138	21922	13076	20496
40°	27786	20518	11497	19107
45°	23212	18376	10156	17088
50°	18824	15645	9069	14571
55°	15597	12834	8240	12107
60°	13514	10531	7616	10090
65°	12102	8794	7018	8505
70°	11014	7417	6352	7200
75°	10024	6235	5763	6078
80°	8989	5151	5054	4985
85°	7318	3989	3274	3659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 27210 cd/sqm



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	4.3
10°-20°	265.2	12.2
20°-30°	392.3	18.1
30°-40°	452.1	20.9
40°-50°	411.6	19.0
50°-60°	281.9	13.0
60°-70°	165.5	7.6
70°-80°	83.4	3.9
80°-90°	20.9	1.0
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°	751.2	34.7
0°-40°	1203.3	55.5
0°-60°	1896.7	87.5
0°-90°	2166.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2166.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	994	994	994	994	994	
5°	1043	995	929	984	1043	101
15°	1097	960	777	930	1097	310
25°	1082	881	613	838	1082	499
35°	995	749	447	700	995	619
45°	684	542	300	504	684	529
55°	373	307	197	290	373	339
65°	213	155	124	150	213	213
75°	108	67	62	66	108	115
85°	27	14	12	13	27	31
90°	0	0	0	0	0	



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2
0.5°	998.1	998.3	998.3	997.1	995.9	994.2	992.7	986.9	986.7	987.2	989.4
1°	1003.6	1003.4	1002.4	999.8	996.1	992.3	989.1	981.6	980.6	981.6	984.8
1.5°	1009.0	1008.7	1006.3	1001.9	996.6	990.3	985.2	976.3	974.8	975.8	980.2
2°	1014.1	1013.8	1010.4	1004.4	996.6	988.1	981.1	970.7	968.5	969.7	975.3
2.5°	1019.4	1018.7	1014.3	1006.5	996.6	986.0	977.0	965.1	962.2	963.9	970.5
3°	1024.2	1023.3	1018.2	1008.7	996.6	983.8	972.9	959.1	955.9	957.9	965.4
3.5°	1029.1	1027.9	1021.8	1010.7	996.4	981.4	968.5	953.3	949.4	951.6	960.3
4°	1033.9	1032.5	1025.2	1012.4	996.1	978.7	963.9	947.5	942.9	945.3	955.0
4.5°	1038.3	1036.8	1028.3	1014.1	995.7	976.3	959.6	941.4	936.1	938.7	949.6
5°	1042.6	1040.9	1031.7	1015.7	994.9	973.4	954.7	934.9	929.3	932.2	944.1
5.5°	1047.0	1045.0	1034.9	1017.2	994.2	970.7	949.9	928.8	922.3	925.7	938.5
6°	1051.1	1048.9	1037.8	1018.4	993.5	967.6	945.0	922.3	915.3	918.9	932.9
6.5°	1055.0	1052.6	1040.4	1019.6	992.5	964.7	940.0	916.0	908.5	912.1	927.4
7°	1058.8	1056.4	1043.1	1020.6	991.5	961.3	934.9	909.2	901.0	905.1	921.3
7.5°	1062.5	1059.8	1045.8	1021.8	990.3	958.1	929.5	902.4	894.0	898.3	915.5
8°	1065.9	1063.2	1048.2	1022.5	989.1	954.7	924.2	895.6	886.4	891.0	909.5
8.5°	1069.0	1066.4	1050.4	1023.3	987.9	951.1	918.7	888.9	878.9	884.0	903.4
9°	1072.2	1069.3	1052.3	1023.7	986.4	947.7	913.3	882.1	871.4	876.5	897.1
9.5°	1075.3	1072.2	1054.5	1024.2	984.8	943.8	907.8	875.1	863.9	869.5	891.0
10°	1078.0	1074.8	1056.2	1024.5	983.1	940.0	901.9	867.8	856.2	862.0	884.8
10.5°	1080.6	1077.2	1057.9	1024.7	981.1	936.1	896.1	860.8	848.7	854.5	878.2
11°	1083.3	1079.7	1059.3	1024.7	979.2	932.0	890.1	853.5	840.9	847.2	871.7
11.5°	1085.5	1081.8	1060.8	1024.7	977.2	927.9	884.3	846.3	833.2	839.5	864.9
12°	1087.7	1083.8	1062.0	1024.5	975.1	923.7	878.2	839.0	825.2	832.0	858.4
12.5°	1089.6	1085.7	1063.0	1024.2	972.9	919.4	872.2	831.5	817.4	824.5	851.8
13°	1091.5	1087.4	1063.9	1023.7	970.5	915.0	865.9	824.0	809.5	816.5	845.0
13.5°	1093.0	1088.9	1064.7	1023.0	967.8	910.4	859.6	816.5	801.5	808.7	838.3
14°	1094.4	1090.3	1065.4	1022.3	965.1	905.8	853.0	808.7	793.5	801.0	831.2
14.5°	1095.9	1091.5	1065.9	1021.6	962.5	901.2	846.7	801.2	785.5	793.2	824.2
15°	1096.9	1092.5	1066.1	1020.6	959.6	896.1	840.2	793.2	777.2	785.2	817.2
15.5°	1097.8	1093.5	1066.4	1019.4	956.7	891.3	833.7	785.7	769.3	777.5	810.2
16°	1098.6	1094.2	1066.1	1018.2	953.5	886.2	826.9	778.0	761.0	769.5	803.2
16.5°	1099.3	1094.7	1065.9	1016.7	950.6	881.1	820.1	770.2	753.0	761.8	796.1
17°	1099.5	1094.9	1065.6	1015.3	947.2	876.0	813.3	762.2	744.8	753.5	788.6
17.5°	1099.8	1094.9	1065.1	1013.6	943.8	870.7	806.3	754.5	736.6	745.8	781.6
18°	1100.0	1095.2	1064.4	1011.9	940.4	865.4	799.5	746.7	728.3	737.3	774.3
18.5°	1099.8	1094.9	1063.7	1009.9	936.8	860.1	792.5	738.7	720.1	729.5	766.8
19°	1099.5	1094.4	1062.7	1007.8	932.9	854.5	785.5	730.8	711.9	721.6	759.6
19.5°	1099.0	1094.0	1061.5	1005.6	929.3	848.9	778.5	723.0	703.9	713.6	752.3
20°	1098.3	1093.2	1060.3	1003.4	925.4	843.3	771.4	715.0	695.6	705.3	744.6
20.5°	1097.6	1092.5	1058.8	1001.0	921.6	837.5	764.2	707.0	687.2	697.1	737.1
21°	1096.4	1091.3	1057.2	998.6	917.4	832.0	756.9	698.8	678.9	689.1	729.8



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1092.3	1086.9	1051.3	990.1	904.9	814.1	734.9	675.1	654.2	664.9	707.0
23°	1090.6	1085.2	1049.2	986.9	900.3	808.0	727.6	666.8	646.0	656.7	699.5
23.5°	1088.6	1083.3	1046.7	983.8	895.6	801.9	720.3	658.6	637.8	648.7	692.0
24°	1086.5	1081.1	1044.3	980.6	891.0	795.6	712.8	650.6	629.5	640.4	684.3
24.5°	1084.3	1078.7	1041.4	977.2	886.2	789.4	705.3	642.6	621.1	632.5	676.5
25°	1081.8	1076.3	1038.5	973.6	881.1	783.1	697.8	634.6	612.8	624.2	669.0
25.5°	1078.9	1073.6	1035.4	969.7	876.0	776.3	690.3	626.6	604.8	616.0	661.5
26°	1076.0	1070.7	1032.5	966.1	871.0	769.7	682.8	618.4	596.4	608.0	653.5
26.5°	1073.1	1067.6	1029.1	962.0	865.6	763.2	675.3	610.2	587.9	599.8	646.0
27°	1070.0	1064.4	1025.4	958.1	860.1	756.4	667.6	601.9	579.7	591.8	638.3
27.5°	1066.6	1061.0	1021.8	953.8	854.2	749.6	660.1	594.0	571.7	583.3	630.5
28°	1062.7	1057.4	1017.9	949.2	848.4	742.6	652.3	586.0	563.2	575.3	622.8
28.5°	1059.1	1053.5	1014.1	944.6	842.4	735.6	644.8	577.7	554.7	567.1	615.3
29°	1055.0	1049.4	1009.9	940.0	836.3	728.3	637.1	569.5	546.5	558.8	607.3
29.5°	1050.9	1045.3	1005.8	935.1	829.8	721.3	629.3	561.5	538.3	550.6	599.5
30°	1046.5	1041.2	1001.2	930.0	823.3	713.8	621.6	553.0	529.8	542.4	591.8
30.5°	1042.1	1036.6	996.6	924.7	816.5	706.3	614.0	545.0	521.3	534.1	584.0
31°	1037.3	1032.0	992.0	919.1	809.7	698.6	606.1	536.6	513.1	526.2	576.3
31.5°	1032.5	1027.1	987.2	913.6	802.7	691.0	598.1	528.6	504.8	517.9	568.5
32°	1027.6	1022.3	982.1	907.5	795.4	683.3	590.3	520.3	496.6	509.7	560.8
32.5°	1022.3	1017.0	976.8	901.5	787.9	675.1	582.3	512.1	488.1	501.5	553.0
33°	1017.2	1011.9	971.4	895.4	780.4	667.1	574.6	503.6	480.1	493.2	545.3
33.5°	1011.9	1006.3	965.9	888.9	772.9	659.1	566.6	495.9	471.7	485.2	537.5
34°	1006.3	1001.0	960.5	882.3	764.9	651.1	558.6	487.4	463.2	477.0	529.3
34.5°	1000.7	995.2	954.5	875.6	756.9	642.9	550.6	479.2	455.0	468.8	521.6
35°	995.4	989.4	948.7	868.5	748.9	634.6	542.6	470.9	446.7	460.8	513.8
35.5°	990.1	983.5	942.4	861.0	740.4	626.2	534.4	463.0	438.5	452.5	505.8
36°	985.0	977.5	936.3	853.8	732.0	618.2	526.4	454.7	430.3	444.3	497.8
36.5°	979.2	971.7	930.0	846.0	723.0	609.7	518.4	446.3	422.0	436.1	489.8
37°	972.4	965.9	923.3	838.3	714.3	601.0	510.2	438.0	414.0	427.8	481.8
37.5°	963.9	960.1	916.7	830.5	705.1	592.3	501.7	430.0	406.1	419.9	473.9
38°	951.6	954.5	909.7	822.3	695.4	583.8	493.7	421.8	398.1	411.9	465.9
38.5°	938.7	948.0	902.7	813.8	686.0	575.1	485.5	413.6	390.3	403.6	457.9
39°	923.3	940.7	895.6	804.8	676.0	566.3	477.2	405.6	382.6	395.9	449.9
39.5°	906.1	930.3	888.4	796.1	666.1	557.4	469.0	397.6	374.8	387.9	441.7
40°	887.7	918.9	880.9	786.9	655.5	548.4	460.8	389.6	367.3	380.1	433.7
40.5°	867.6	904.4	873.6	777.2	645.0	539.7	452.5	381.6	360.1	372.4	425.7
41°	848.4	889.4	865.9	767.1	634.4	530.5	444.1	374.1	352.8	365.1	417.4
41.5°	827.6	870.5	858.1	756.9	623.5	521.6	435.8	366.3	345.8	357.4	409.2
42°	807.8	853.3	850.1	746.0	612.4	512.4	427.6	358.8	338.7	350.1	401.2
42.5°	786.9	833.4	842.1	734.9	601.0	503.4	419.4	351.3	332.0	342.9	393.2
43°	766.4	815.0	834.4	723.3	589.6	494.2	411.1	344.1	325.2	335.8	385.2
43.5°	745.3	794.4	826.2	712.1	578.0	484.8	402.9	336.6	318.4	328.6	377.0



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	684.5	734.6	802.4	674.1	541.9	457.1	378.2	315.7	299.5	308.5	353.3
45.5°	663.4	714.0	794.4	661.3	529.8	447.7	370.0	309.0	293.2	301.9	345.5
46°	645.0	694.7	785.2	647.9	517.7	438.5	361.7	302.2	287.4	295.4	337.5
46.5°	624.5	673.9	775.8	634.1	505.3	429.1	353.8	295.6	281.4	289.1	329.8
47°	607.3	655.5	762.2	620.1	493.0	419.9	345.5	289.3	275.5	283.1	322.3
47.5°	586.9	635.1	749.4	605.6	480.4	410.4	337.5	283.3	270.0	277.0	314.8
48°	570.9	617.4	732.9	590.8	468.5	401.2	329.5	276.8	264.4	271.2	307.5
48.5°	551.8	597.1	717.4	576.0	455.9	392.0	321.6	270.7	258.8	265.4	300.0
49°	536.8	580.6	698.8	561.3	443.6	382.8	313.8	264.9	253.5	259.6	292.7
49.5°	518.6	561.5	681.4	546.3	431.5	373.6	306.1	259.1	248.4	254.0	285.7
50°	504.6	545.8	661.5	531.2	419.4	364.4	298.3	253.3	243.1	248.4	278.7
50.5°	487.7	528.1	642.4	515.7	406.8	355.2	290.8	247.7	238.0	243.1	271.7
51°	474.6	512.4	622.5	500.2	395.2	346.3	283.5	242.1	233.4	238.0	264.9
51.5°	458.8	495.9	603.4	485.0	383.3	337.5	276.3	236.6	228.6	232.7	258.4
52°	446.3	481.4	583.1	470.0	371.7	328.6	269.0	231.5	223.7	227.6	251.8
52.5°	432.2	466.3	564.4	455.0	360.1	319.6	262.0	226.2	218.9	222.8	245.3
53°	420.3	452.1	544.8	439.7	349.2	310.9	255.2	221.1	214.3	217.7	239.0
53.5°	407.3	438.0	526.4	424.7	338.0	302.4	248.4	216.0	209.9	213.1	232.7
54°	395.6	424.2	507.3	409.9	327.4	293.9	241.6	211.4	205.6	208.5	226.9
54.5°	384.0	411.6	489.4	395.6	316.7	285.5	235.1	206.8	201.5	204.1	220.8
55°	373.1	398.3	471.9	381.4	307.0	277.2	228.8	201.9	197.1	199.5	215.0
55.5°	362.7	387.9	454.2	367.8	296.9	269.0	222.5	197.3	193.0	195.2	209.2
56°	352.1	374.6	438.0	354.5	287.2	261.0	216.2	192.7	188.6	190.8	203.9
56.5°	342.9	365.1	421.3	341.6	277.7	253.3	210.4	188.1	185.0	186.4	198.5
57°	332.2	352.8	406.3	329.1	268.8	245.5	204.6	184.3	181.1	182.3	193.2
57.5°	324.2	344.1	390.3	317.2	259.8	238.0	199.0	180.1	177.2	178.2	187.9
58°	314.3	332.7	376.0	305.3	251.3	230.8	193.2	176.0	173.4	174.1	182.6
58.5°	307.0	323.7	362.0	294.4	243.1	223.5	187.7	171.9	169.5	170.2	177.5
59°	297.3	313.8	348.2	283.8	234.9	216.5	181.8	167.8	165.9	166.3	172.4
59.5°	290.8	305.1	335.6	273.6	227.1	209.9	176.5	163.9	162.2	162.5	167.6
60°	281.8	295.9	322.5	263.7	219.6	203.4	171.2	160.0	158.8	158.8	162.7
60.5°	274.6	286.7	311.4	254.2	212.1	196.9	166.3	156.2	155.2	155.2	158.1
61°	266.8	278.9	298.8	245.0	205.3	190.3	161.3	152.3	151.8	151.6	153.5
61.5°	259.6	269.7	288.6	236.6	198.5	183.8	156.2	148.7	148.4	148.2	149.2
62°	252.5	262.7	277.7	228.3	191.5	177.5	151.6	145.3	145.0	144.6	144.6
62.5°	245.5	254.5	267.1	220.3	184.7	171.7	147.0	141.6	141.4	141.2	140.4
63°	238.7	247.2	257.9	212.6	178.7	165.6	142.4	138.3	137.8	137.8	136.3
63.5°	232.2	239.7	248.2	205.3	172.4	160.0	137.8	134.9	134.4	134.4	132.2
64°	225.9	232.2	239.5	197.8	166.6	154.5	133.4	131.5	130.8	131.0	128.3
64.5°	219.4	225.7	230.8	191.0	160.8	149.2	129.3	128.1	127.1	127.4	124.5
65°	213.3	218.6	222.0	184.5	155.0	143.8	125.2	124.7	123.7	124.0	120.6
65.5°	207.3	212.4	214.5	178.0	149.4	138.7	121.3	121.1	120.3	120.6	117.0
66°	201.2	205.8	206.5	171.7	144.1	133.7	117.4	117.7	117.0	117.4	113.3



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	184.0	186.9	185.0	154.0	128.8	119.1	106.3	108.0	107.0	107.7	103.1
68°	178.7	181.1	178.2	148.7	124.0	114.8	102.9	104.8	103.6	104.6	100.0
68.5°	173.1	175.3	171.9	143.3	119.4	110.4	99.5	101.9	100.5	101.5	96.6
69°	167.8	169.7	165.4	138.0	114.8	106.1	96.1	98.8	97.1	98.3	93.5
69.5°	162.7	164.2	159.3	132.9	110.2	101.7	93.0	95.6	93.9	95.4	90.6
70°	157.1	158.6	153.5	127.8	105.8	97.6	89.8	92.7	90.6	92.3	87.4
70.5°	152.1	153.0	147.7	123.0	101.5	93.7	86.9	89.8	87.7	89.3	84.5
71°	147.0	147.7	142.1	118.4	97.3	90.1	83.8	86.7	84.3	86.2	81.6
71.5°	141.9	142.6	136.6	113.8	93.2	86.2	80.9	83.8	81.4	83.1	78.7
72°	137.0	137.5	131.2	109.2	89.3	82.3	78.0	80.6	78.5	80.1	76.0
72.5°	132.2	132.4	126.2	104.6	85.5	78.9	75.1	77.7	75.8	77.2	73.4
73°	127.4	127.6	121.1	100.5	81.6	75.3	72.4	74.8	73.1	74.6	70.7
73.5°	122.3	122.5	116.0	96.1	78.0	71.9	69.7	72.2	70.2	71.7	68.0
74°	117.7	117.7	111.1	92.0	74.3	68.5	67.1	69.5	67.6	69.0	65.4
74.5°	113.1	112.8	106.3	87.9	70.9	65.4	64.4	66.6	64.9	66.1	62.7
75°	108.2	108.2	101.7	84.3	67.3	62.2	62.0	64.2	62.2	63.4	60.0
75.5°	103.9	103.6	97.1	80.4	63.9	59.1	59.3	61.3	59.6	60.8	57.6
76°	99.3	99.0	92.7	76.8	60.8	56.2	56.9	58.6	56.9	58.1	55.0
76.5°	94.7	94.4	88.4	72.9	57.6	53.3	54.5	55.9	54.5	55.4	52.3
77°	90.3	90.1	84.3	69.3	54.5	50.4	52.1	53.3	51.8	52.8	50.1
77.5°	86.2	85.7	80.1	65.6	51.3	47.7	49.4	50.6	49.4	50.1	47.5
78°	82.1	81.6	76.0	62.0	48.4	45.0	47.0	47.9	46.7	47.5	45.0
78.5°	77.7	77.5	71.9	58.6	45.5	42.4	44.6	45.5	44.3	45.0	42.6
79°	73.6	73.1	67.8	55.2	42.9	40.0	42.4	42.9	41.6	42.4	40.2
79.5°	69.3	69.0	63.7	51.8	40.0	37.5	40.0	40.2	39.2	40.0	37.8
80°	65.1	64.9	59.8	48.7	37.3	35.1	37.5	37.5	36.6	37.5	35.4
80.5°	61.0	60.8	55.9	45.3	34.6	32.9	35.4	34.9	34.1	34.9	32.9
81°	57.1	56.9	52.3	42.4	32.2	30.8	32.9	32.2	31.7	32.4	30.8
81.5°	53.0	52.8	48.7	39.2	29.8	28.6	30.5	29.5	29.1	29.8	28.3
82°	49.2	49.2	45.0	36.3	27.4	26.4	28.1	27.1	26.6	27.4	26.2
82.5°	45.3	45.3	41.4	33.4	24.9	24.5	25.9	24.5	24.2	24.9	23.7
83°	41.4	41.4	38.0	30.5	23.0	22.5	23.5	22.0	21.5	22.3	21.5
83.5°	37.5	37.8	34.4	27.6	20.8	20.6	21.3	19.4	19.1	19.9	19.4
84°	33.9	34.1	31.0	25.2	18.6	18.6	19.1	16.9	16.7	17.4	17.2
84.5°	30.3	30.5	27.8	22.5	16.5	16.7	17.2	14.5	14.3	15.0	15.3
85°	26.6	26.9	24.7	20.1	14.5	14.8	15.0	11.9	11.9	12.3	13.1
85.5°	23.0	23.2	21.8	17.4	12.3	12.8	12.8	9.7	9.4	10.2	11.1
86°	19.4	19.9	18.9	15.3	10.4	11.1	10.9	7.7	7.5	8.0	9.2
86.5°	15.7	16.5	16.2	12.8	8.7	9.2	9.0	6.1	5.8	6.3	7.3
87°	12.3	13.3	13.3	10.7	7.0	7.3	7.0	4.4	4.4	4.8	5.6
87.5°	9.9	10.7	10.7	8.2	5.3	5.6	5.3	2.9	2.9	3.1	3.6
88°	8.0	8.2	8.2	6.3	3.6	3.9	3.4	1.5	1.5	1.7	1.9
88.5°	6.1	6.3	6.3	4.4	2.2	1.9	1.7	0.5	0.5	0.5	0.5



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	994.2	994.2	994.2	994.2	994.2	994.2
0.5°	991.8	994.9	997.3	1000.0	997.1	998.1
1°	988.9	994.2	998.8	1003.4	1001.9	1003.6
1.5°	986.0	993.2	1000.3	1006.5	1006.5	1009.0
2°	982.8	992.5	1001.5	1009.7	1011.1	1014.1
2.5°	979.7	991.3	1002.7	1012.8	1015.7	1019.4
3°	976.3	990.3	1003.6	1015.5	1020.3	1024.2
3.5°	972.9	988.9	1004.4	1018.4	1024.5	1029.1
4°	969.5	987.7	1005.1	1021.1	1028.6	1033.9
4.5°	965.9	986.2	1005.8	1023.5	1032.5	1038.3
5°	962.0	984.5	1006.3	1025.7	1036.3	1042.6
5.5°	958.4	982.8	1006.8	1027.9	1039.7	1047.0
6°	954.5	981.1	1007.0	1030.0	1043.4	1051.1
6.5°	950.4	979.2	1007.0	1032.0	1046.7	1055.0
7°	946.3	977.0	1007.0	1033.9	1049.9	1058.8
7.5°	941.9	975.1	1007.0	1035.4	1053.0	1062.5
8°	937.5	972.6	1006.8	1036.8	1055.9	1065.9
8.5°	933.2	970.5	1006.5	1038.3	1058.6	1069.0
9°	928.8	967.8	1005.8	1039.5	1061.3	1072.2
9.5°	924.2	965.4	1005.3	1040.4	1063.7	1075.3
10°	919.4	962.5	1004.6	1041.4	1065.9	1078.0
10.5°	914.8	959.8	1003.9	1042.1	1068.0	1080.6
11°	909.9	956.9	1002.9	1042.9	1070.0	1083.3
11.5°	904.9	954.0	1001.7	1043.4	1071.7	1085.5
12°	899.8	950.9	1000.5	1043.8	1073.4	1087.7
12.5°	894.7	947.7	999.3	1044.1	1074.8	1089.6
13°	889.6	944.3	997.6	1044.1	1076.0	1091.5
13.5°	884.3	940.9	996.1	1043.8	1077.2	1093.0
14°	878.9	937.5	994.4	1043.6	1078.2	1094.4
14.5°	873.4	933.9	992.5	1043.4	1078.9	1095.9
15°	867.8	930.3	990.6	1042.6	1079.4	1096.9
15.5°	862.2	926.4	988.4	1041.9	1079.9	1097.8
16°	856.7	922.5	986.2	1041.2	1080.4	1098.6
16.5°	850.9	918.7	984.0	1040.2	1080.4	1099.3
17°	845.0	914.5	981.6	1039.0	1080.4	1099.5
17.5°	839.0	910.4	978.9	1037.8	1080.2	1099.8
18°	833.2	906.1	976.3	1036.3	1079.7	1100.0
18.5°	827.1	901.7	973.6	1034.6	1079.2	1099.8
19°	821.1	897.3	970.7	1032.9	1078.5	1099.5
19.5°	815.0	893.0	967.6	1031.0	1077.5	1099.0
20°	808.7	888.4	964.7	1029.1	1076.3	1098.3
20.5°	802.4	883.8	961.3	1026.9	1075.1	1097.6
21°	796.1	878.9	957.9	1024.2	1073.6	1096.4

TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	777.0	864.4	947.2	1016.5	1068.3	1092.3
23°	770.5	859.3	943.6	1013.6	1066.1	1090.6
23.5°	763.9	854.2	939.7	1010.4	1063.9	1088.6
24°	757.4	849.2	935.8	1007.3	1061.5	1086.5
24.5°	750.6	843.8	931.7	1003.9	1058.8	1084.3
25°	744.1	838.3	927.6	1000.5	1055.9	1081.8
25.5°	737.3	832.7	923.3	996.9	1052.8	1078.9
26°	730.5	827.1	918.9	993.0	1049.9	1076.0
26.5°	723.5	821.3	914.3	989.1	1046.5	1073.1
27°	716.7	815.5	909.7	985.0	1042.9	1070.0
27.5°	709.7	809.5	904.9	980.9	1039.2	1066.6
28°	702.7	803.2	899.8	976.5	1035.4	1062.7
28.5°	695.2	796.9	894.7	972.2	1031.2	1059.1
29°	688.1	790.3	889.4	967.6	1027.1	1055.0
29.5°	680.6	783.5	884.0	963.0	1022.5	1050.9
30°	673.1	776.5	878.2	958.1	1018.2	1046.5
30.5°	665.6	769.5	872.2	953.3	1013.6	1042.1
31°	657.9	762.5	866.4	948.0	1008.7	1037.3
31.5°	650.4	755.0	860.1	942.9	1003.6	1032.5
32°	642.6	747.5	853.5	937.5	998.6	1027.6
32.5°	634.6	740.0	846.7	932.0	993.2	1022.3
33°	626.9	732.2	840.0	926.4	987.7	1017.2
33.5°	618.6	724.5	832.9	920.3	982.1	1011.9
34°	610.4	716.2	825.7	914.5	976.5	1006.3
34.5°	602.4	708.5	818.2	908.5	970.7	1000.7
35°	594.7	700.2	810.7	902.2	964.7	995.4
35.5°	586.2	692.0	802.9	895.9	958.6	990.1
36°	578.0	683.3	795.2	889.4	952.6	985.0
36.5°	569.7	674.8	786.9	882.6	946.3	979.2
37°	561.7	666.1	778.7	875.6	940.0	972.4
37.5°	553.3	657.1	770.2	868.5	933.7	963.9
38°	545.0	647.9	761.5	861.3	927.6	951.6
38.5°	536.6	638.7	752.5	853.8	921.6	938.7
39°	528.6	629.5	743.6	846.3	915.7	923.3
39.5°	519.6	620.3	733.9	838.5	908.7	906.1
40°	511.4	610.4	724.5	830.5	901.5	887.7
40.5°	502.9	600.5	714.5	822.5	890.1	867.6
41°	494.4	590.6	704.1	814.5	878.9	848.4
41.5°	486.0	580.4	693.5	806.1	864.4	827.6
42°	477.5	570.0	682.8	797.6	849.4	807.8
42.5°	469.0	559.3	671.7	789.1	831.7	786.9
43°	460.5	548.4	660.1	780.6	815.3	766.4
43.5°	451.8	537.5	647.9	771.7	796.4	745.3

TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	425.9	503.9	609.4	744.3	740.9	684.5
45.5°	417.0	492.3	596.1	734.9	721.6	663.4
46°	408.2	481.1	582.1	725.9	702.9	645.0
46.5°	399.5	469.7	568.3	716.2	683.8	624.5
47°	390.8	458.1	554.0	707.0	665.4	607.3
47.5°	382.3	446.7	540.0	696.6	646.0	586.9
48°	373.4	435.4	525.7	686.0	628.1	570.9
48.5°	364.9	424.0	511.1	674.1	609.4	551.8
49°	356.2	412.8	496.9	658.8	592.3	536.8
49.5°	347.7	401.9	482.8	644.3	574.3	518.6
50°	339.2	390.6	468.5	627.1	558.1	504.6
50.5°	330.5	379.7	454.2	609.7	540.4	487.7
51°	322.3	368.8	440.0	591.5	524.5	474.6
51.5°	313.8	358.4	426.2	572.6	508.5	458.8
52°	305.6	347.7	412.6	553.5	493.7	446.3
52.5°	297.3	337.5	399.3	535.6	478.0	432.2
53°	289.1	327.6	385.7	517.0	463.0	420.3
53.5°	281.4	317.9	372.9	498.8	449.4	407.3
54°	273.4	308.0	360.5	480.6	435.1	395.6
54.5°	265.6	298.8	348.4	463.4	422.3	384.0
55°	257.9	289.6	336.8	446.7	408.0	373.1
55.5°	250.4	280.9	325.2	429.8	396.6	362.7
56°	242.9	272.2	314.0	414.0	383.1	352.1
56.5°	235.8	263.7	303.6	398.3	372.6	342.9
57°	228.6	255.2	293.2	383.5	359.6	332.2
57.5°	221.6	247.2	283.3	369.0	349.9	324.2
58°	214.8	239.5	273.6	355.2	338.0	314.3
58.5°	208.5	232.0	264.7	341.9	328.6	307.0
59°	202.2	224.7	255.9	328.6	318.2	297.3
59.5°	195.9	217.4	247.5	317.0	308.5	290.8
60°	189.6	210.4	239.0	304.8	299.3	281.8
60.5°	183.1	203.4	231.2	293.5	290.1	274.6
61°	177.0	196.9	223.5	282.3	281.8	266.8
61.5°	171.4	190.6	216.2	271.9	272.6	259.6
62°	165.6	184.3	209.2	262.0	265.4	252.5
62.5°	160.0	178.0	202.4	252.5	256.9	245.5
63°	154.5	172.2	195.4	243.3	249.4	238.7
63.5°	149.4	166.3	189.1	234.6	241.9	232.2
64°	144.3	160.5	182.8	225.7	234.1	225.9
64.5°	139.2	155.0	176.8	217.9	227.4	219.4
65°	134.1	149.9	170.7	209.9	220.1	213.3
65.5°	129.3	144.3	164.9	202.7	213.8	207.3
66°	124.7	139.2	159.3	195.2	207.0	201.2



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	111.4	124.5	143.3	175.3	187.9	184.0
68°	107.3	120.1	138.0	168.5	182.1	178.7
68.5°	103.1	115.5	133.2	162.7	176.3	173.1
69°	99.3	111.1	128.3	156.7	170.2	167.8
69.5°	95.2	106.8	123.7	150.8	164.7	162.7
70°	91.5	102.7	119.1	145.3	159.1	157.1
70.5°	87.7	98.3	114.5	139.7	153.5	152.1
71°	84.0	94.4	109.9	134.4	148.4	147.0
71.5°	80.6	90.3	105.8	129.1	143.1	141.9
72°	77.2	86.9	101.5	124.0	137.8	137.0
72.5°	73.9	83.3	97.3	119.1	132.7	132.2
73°	70.5	79.7	93.2	114.0	127.6	127.4
73.5°	67.3	76.0	89.1	109.4	122.8	122.3
74°	64.2	72.4	85.5	104.8	117.9	117.7
74.5°	61.3	69.0	81.8	100.0	113.1	113.1
75°	58.4	65.6	78.2	95.6	108.2	108.2
75.5°	55.4	62.2	74.3	91.3	103.6	103.9
76°	52.5	59.1	70.7	86.2	99.3	99.3
76.5°	49.9	55.9	67.1	82.3	94.7	94.7
77°	47.5	53.0	63.7	78.5	90.1	90.3
77.5°	45.0	49.9	60.3	74.6	85.7	86.2
78°	42.4	47.0	56.9	70.5	81.6	82.1
78.5°	40.0	44.3	53.8	66.6	77.5	77.7
79°	37.8	41.4	50.4	62.7	73.4	73.6
79.5°	35.6	38.7	47.2	58.8	69.0	69.3
80°	33.4	36.1	44.1	55.0	64.9	65.1
80.5°	31.2	33.7	41.2	51.3	60.8	61.0
81°	29.1	31.0	38.3	47.7	56.9	57.1
81.5°	26.9	28.6	35.4	44.1	53.0	53.0
82°	24.9	26.4	32.4	40.4	48.9	49.2
82.5°	22.8	24.0	29.8	37.0	45.3	45.3
83°	20.8	21.8	27.1	33.7	41.4	41.4
83.5°	18.9	19.6	24.5	30.3	37.8	37.5
84°	16.9	17.4	21.8	27.1	33.9	33.9
84.5°	15.0	15.5	19.4	24.0	30.3	30.3
85°	13.1	13.3	16.9	21.1	26.9	26.6
85.5°	11.1	11.6	14.5	18.4	23.2	23.0
86°	9.2	9.7	12.3	15.5	19.9	19.4
86.5°	7.5	8.0	10.2	12.8	16.7	15.7
87°	5.6	6.3	8.2	10.4	13.8	12.3
87.5°	3.6	4.6	6.3	7.7	11.1	9.9
88°	1.9	2.9	4.4	5.8	8.7	8.0
88.5°	0.5	1.2	2.4	3.9	6.5	6.1



TEST NUMBER: P776210

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.2	0.2



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°	1095.2	1090.1	1055.5	995.9	913.3	825.9	749.6	690.8	671.0	681.1	722.3
22°	1094.0	1088.6	1053.5	993.0	909.2	820.1	742.4	682.8	662.5	673.1	714.5



44°	724.9	774.6	818.2	699.8	566.1	475.5	394.7	329.8	312.1	321.8	369.0
44.5°	704.1	754.2	810.2	687.2	554.2	466.3	386.4	322.5	305.6	315.0	361.3



66.5°	195.6	199.3	199.0	165.6	139.0	128.6	113.6	114.5	113.6	114.0	109.9
67°	189.8	193.2	192.0	159.8	133.9	124.0	109.9	111.4	110.2	110.9	106.5



89°	4.1	4.1	4.1	2.4	0.7	0.5	0.5	0.2	0.0	0.2	0.2
89.5°	2.2	2.2	2.2	0.5	0.0	0.0	0.0	0.2	0.0	0.2	0.0

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

Scaled Data Report





21.5°	789.8	874.1	954.5	1021.8	1072.2	1095.2
22°	783.5	869.3	950.9	1019.4	1070.2	1094.0



44°	443.1	526.4	635.6	762.7	778.7	724.9
44.5°	434.6	515.3	622.8	753.5	759.3	704.1



66.5°	120.3	134.4	153.8	188.4	200.5	195.6
67°	115.7	129.5	148.4	181.6	194.4	189.8



89°	0.0	0.2	0.5	1.9	4.4	4.1
89.5°	0.0	0.0	0.0	0.2	2.4	2.2

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

Scaled Data Report



(END OF REPORT)