

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: P775917

Luminaire Tested: HCDJBS1525CSD-HCD42TRMW-1500lm-3500K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156A001)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD42TRMW-1500lm-3500K
Description: 4 INCH ROUND NARROW MATTE WHITE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1519.7 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.97 / 0.95
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

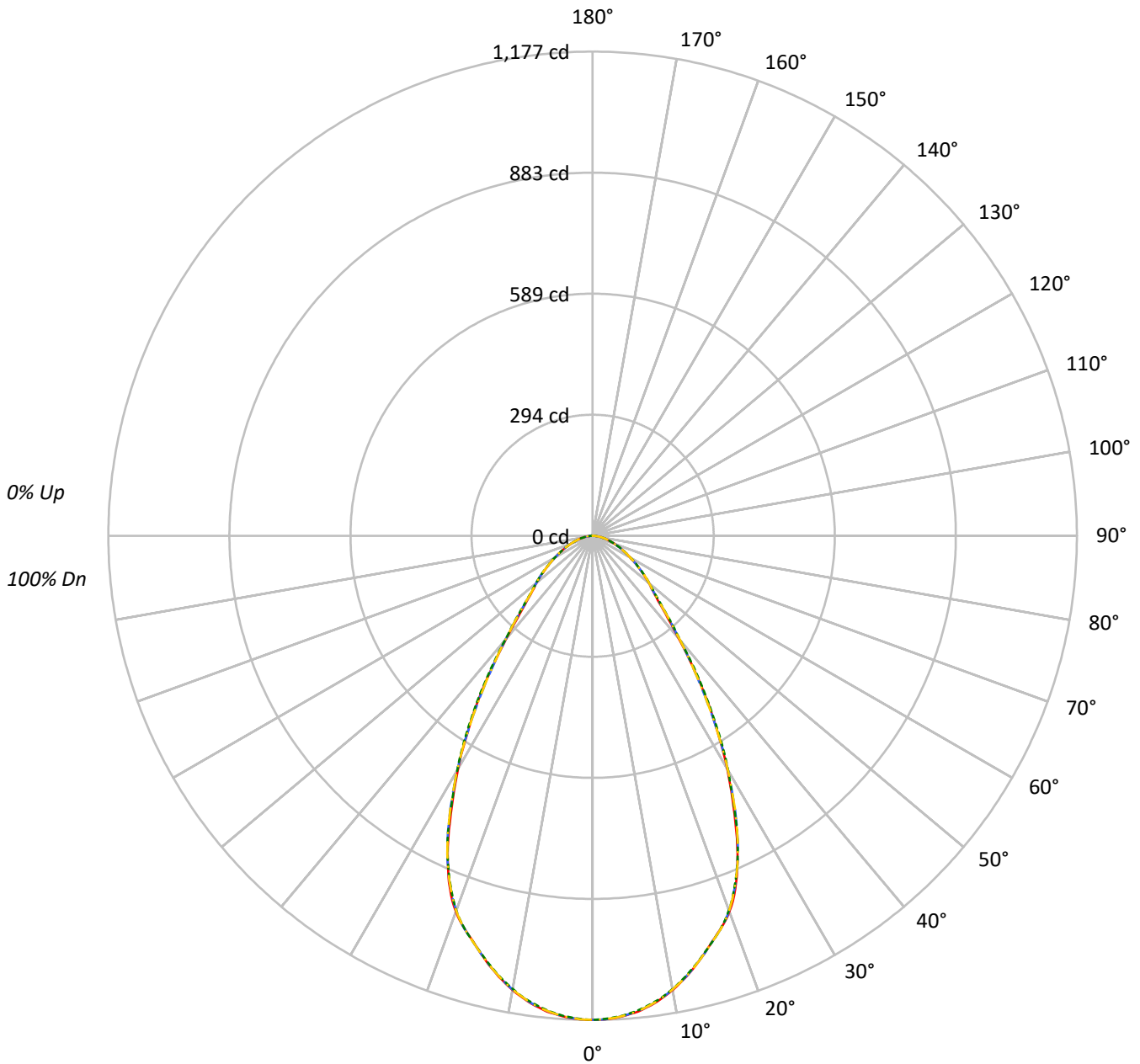
Input Watts (W): 15
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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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								
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89								
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80								
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71								
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64								
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58								
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53								
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49								
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45								
9	67	56	49	44	66	55	48	44	54	48	44	53	48	44	52	47	43	42								
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	148113	148113	148113	148113
5°	147074	146746	147074	146746
10°	143267	142947	143267	142947
15°	136934	136765	136934	136765
20°	130203	129735	130203	129735
25°	115559	115934	115559	115934
30°	95082	95576	95082	95576
35°	73760	74559	73760	74559
40°	53573	54510	53573	54510
45°	40561	41576	40561	41576
50°	34928	35203	34928	35203
55°	30367	30718	30367	30718
60°	26529	26781	26529	26781
65°	23317	23525	23317	23525
70°	20606	20716	20606	20716
75°	18088	18088	18088	18088
80°	15654	15509	15654	15509
85°	12562	12562	12562	12562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 41576 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	7.2
10°-20°	295.2	19.4
20°-30°	378.1	24.9
30°-40°	299.6	19.7
40°-50°	183.4	12.1
50°-60°	125.4	8.3
60°-70°	78.5	5.2
70°-80°	39.8	2.6
80°-90°	10.1	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°	783.0	51.5
0°-40°	1082.6	71.2
0°-60°	1391.4	91.6
0°-90°	1519.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1164	1162	1164	1162	1164	110
15°	1051	1050	1051	1050	1051	295
25°	832	835	832	835	832	377
35°	480	485	480	485	480	299
45°	228	234	228	234	228	181
55°	138	140	138	140	138	125
65°	78	79	78	79	78	78
75°	37	37	37	37	37	40
85°	9	9	9	9	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9
0.5°	1177.1	1176.9	1176.6	1176.5	1176.0	1176.5	1176.6	1176.9	1177.1	1176.9	1176.6
1°	1176.6	1176.5	1176.3	1176.1	1175.5	1176.1	1176.3	1176.5	1176.6	1176.5	1176.3
1.5°	1176.0	1175.7	1175.7	1175.4	1174.9	1175.4	1175.7	1175.7	1176.0	1175.7	1175.7
2°	1175.0	1174.9	1174.6	1174.4	1173.8	1174.4	1174.6	1174.9	1175.0	1174.9	1174.6
2.5°	1173.9	1173.6	1173.3	1173.1	1172.4	1173.1	1173.3	1173.6	1173.9	1173.6	1173.3
3°	1172.4	1172.0	1171.7	1171.4	1170.6	1171.4	1171.7	1172.0	1172.4	1172.0	1171.7
3.5°	1170.6	1170.3	1169.8	1169.5	1169.0	1169.5	1169.8	1170.3	1170.6	1170.3	1169.8
4°	1168.6	1168.4	1167.8	1167.5	1166.7	1167.5	1167.8	1168.4	1168.6	1168.4	1167.8
4.5°	1166.4	1166.1	1165.4	1165.1	1164.2	1165.1	1165.4	1166.1	1166.4	1166.1	1165.4
5°	1164.2	1163.7	1163.1	1162.7	1161.6	1162.7	1163.1	1163.7	1164.2	1163.7	1163.1
5.5°	1161.8	1160.7	1159.9	1159.6	1158.6	1159.6	1159.9	1160.7	1161.8	1160.7	1159.9
6°	1158.2	1157.5	1156.8	1156.3	1155.0	1156.3	1156.8	1157.5	1158.2	1157.5	1156.8
6.5°	1154.5	1154.1	1153.1	1152.7	1151.4	1152.7	1153.1	1154.1	1154.5	1154.1	1153.1
7°	1150.8	1150.1	1149.7	1148.9	1147.8	1148.9	1149.7	1150.1	1150.8	1150.1	1149.7
7.5°	1146.5	1145.9	1145.2	1144.9	1143.8	1144.9	1145.2	1145.9	1146.5	1145.9	1145.2
8°	1141.9	1141.5	1140.8	1140.4	1139.7	1140.4	1140.8	1141.5	1141.9	1141.5	1140.8
8.5°	1137.2	1136.6	1135.9	1135.5	1134.8	1135.5	1135.9	1136.6	1137.2	1136.6	1135.9
9°	1132.2	1131.7	1130.9	1130.4	1129.8	1130.4	1130.9	1131.7	1132.2	1131.7	1130.9
9.5°	1126.7	1126.3	1125.5	1125.1	1124.4	1125.1	1125.5	1126.3	1126.7	1126.3	1125.5
10°	1121.1	1120.7	1120.0	1119.4	1118.6	1119.4	1120.0	1120.7	1121.1	1120.7	1120.0
10.5°	1115.0	1114.7	1113.9	1113.4	1112.8	1113.4	1113.9	1114.7	1115.0	1114.7	1113.9
11°	1108.8	1108.5	1107.9	1107.3	1106.5	1107.3	1107.9	1108.5	1108.8	1108.5	1107.9
11.5°	1102.4	1102.1	1101.4	1100.8	1100.2	1100.8	1101.4	1102.1	1102.4	1102.1	1101.4
12°	1095.8	1095.4	1095.0	1094.2	1093.6	1094.2	1095.0	1095.4	1095.8	1095.4	1095.0
12.5°	1088.8	1088.5	1088.0	1087.2	1086.5	1087.2	1088.0	1088.5	1088.8	1088.5	1088.0
13°	1081.7	1081.4	1080.9	1080.3	1079.5	1080.3	1080.9	1081.4	1081.7	1081.4	1080.9
13.5°	1074.3	1074.0	1073.7	1073.1	1072.4	1073.1	1073.7	1074.0	1074.3	1074.0	1073.7
14°	1066.8	1066.6	1066.3	1065.7	1065.0	1065.7	1066.3	1066.6	1066.8	1066.6	1066.3
14.5°	1058.9	1058.7	1058.6	1057.9	1057.3	1057.9	1058.6	1058.7	1058.9	1058.7	1058.6
15°	1051.0	1051.0	1050.7	1050.4	1049.7	1050.4	1050.7	1051.0	1051.0	1051.0	1050.7
15.5°	1042.8	1042.8	1043.1	1042.8	1042.5	1042.8	1043.1	1042.8	1042.8	1042.8	1043.1
16°	1034.9	1035.1	1035.5	1035.4	1035.1	1035.4	1035.5	1035.1	1034.9	1035.1	1035.5
16.5°	1027.0	1027.4	1028.0	1028.0	1027.8	1028.0	1028.0	1027.4	1027.0	1027.4	1028.0
17°	1019.6	1019.9	1020.6	1020.4	1020.6	1020.4	1020.6	1019.9	1019.6	1019.9	1020.6
17.5°	1012.4	1012.7	1013.2	1013.0	1012.9	1013.0	1013.2	1012.7	1012.4	1012.7	1013.2
18°	1005.3	1005.4	1005.8	1005.4	1005.1	1005.4	1005.8	1005.4	1005.3	1005.4	1005.8
18.5°	997.7	997.7	997.7	997.4	996.9	997.4	997.7	997.7	997.7	997.7	997.7
19°	990.0	989.5	989.2	988.7	988.3	988.7	989.2	989.5	990.0	989.5	989.2
19.5°	981.5	980.9	979.9	979.6	979.1	979.6	979.9	980.9	981.5	980.9	979.9
20°	972.2	971.4	969.7	969.8	968.7	969.8	969.7	971.4	972.2	971.4	969.7
20.5°	961.9	960.7	958.6	959.3	958.0	959.3	958.6	960.7	961.9	960.7	958.6
21°	951.2	949.3	947.0	947.8	946.2	947.8	947.0	949.3	951.2	949.3	947.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	912.0	910.1	908.5	908.3	907.6	908.3	908.5	910.1	912.0	910.1	908.5
23°	897.0	895.4	895.1	894.0	893.7	894.0	895.1	895.4	897.0	895.4	895.1
23.5°	881.7	880.3	881.1	879.2	880.0	879.2	881.1	880.3	881.7	880.3	881.1
24°	865.8	864.7	866.6	864.1	865.5	864.1	866.6	864.7	865.8	864.7	866.6
24.5°	849.4	848.9	851.3	848.8	850.7	848.8	851.3	848.9	849.4	848.9	851.3
25°	832.2	832.5	835.4	833.5	834.9	833.5	835.4	832.5	832.2	832.5	835.4
25.5°	814.4	816.5	819.0	818.2	818.5	818.2	819.0	816.5	814.4	816.5	819.0
26°	796.1	799.8	802.1	802.3	801.0	802.3	802.1	799.8	796.1	799.8	802.1
26.5°	777.4	782.7	784.6	785.7	782.9	785.7	784.6	782.7	777.4	782.7	784.6
27°	759.1	765.1	767.0	768.7	764.4	768.7	767.0	765.1	759.1	765.1	767.0
27.5°	741.1	746.8	749.0	751.2	745.7	751.2	749.0	746.8	741.1	746.8	749.0
28°	723.1	728.5	730.7	732.9	726.9	732.9	730.7	728.5	723.1	728.5	730.7
28.5°	705.7	709.9	712.4	714.3	708.8	714.3	712.4	709.9	705.7	709.9	712.4
29°	688.3	691.2	694.1	695.4	691.6	695.4	694.1	691.2	688.3	691.2	694.1
29.5°	671.3	672.7	676.0	676.5	674.8	676.5	676.0	672.7	671.3	672.7	676.0
30°	654.3	653.8	657.4	657.6	657.7	657.6	657.4	653.8	654.3	653.8	657.4
30.5°	636.6	635.5	639.0	639.3	641.7	639.3	639.0	635.5	636.6	635.5	639.0
31°	619.1	616.8	620.4	621.0	624.6	621.0	620.4	616.8	619.1	616.8	620.4
31.5°	601.2	598.8	601.8	602.9	607.5	602.9	601.8	598.8	601.2	598.8	601.8
32°	582.9	580.7	583.3	585.1	589.8	585.1	583.3	580.7	582.9	580.7	583.3
32.5°	565.2	563.3	565.2	567.4	572.2	567.4	565.2	563.3	565.2	563.3	565.2
33°	547.4	546.0	546.6	549.8	554.2	549.8	546.6	546.0	547.4	546.0	546.6
33.5°	531.5	528.6	528.2	532.1	536.1	532.1	528.2	528.6	531.5	528.6	528.2
34°	514.3	511.3	509.9	514.8	518.9	514.8	509.9	511.3	514.3	511.3	509.9
34.5°	497.3	494.1	492.1	497.3	501.9	497.3	492.1	494.1	497.3	494.1	492.1
35°	480.1	477.4	475.2	480.4	485.3	480.4	475.2	477.4	480.1	477.4	475.2
35.5°	463.4	460.9	458.5	463.7	469.1	463.7	458.5	460.9	463.4	460.9	458.5
36°	447.0	444.3	442.3	447.6	453.2	447.6	442.3	444.3	447.0	444.3	442.3
36.5°	430.8	428.4	426.5	431.7	436.9	431.7	426.5	428.4	430.8	428.4	426.5
37°	414.4	412.6	411.1	416.3	420.8	416.3	411.1	412.6	414.4	412.6	411.1
37.5°	398.5	397.4	396.3	401.5	404.8	401.5	396.3	397.4	398.5	397.4	396.3
38°	382.7	382.5	382.1	387.0	388.8	387.0	382.1	382.5	382.7	382.5	382.1
38.5°	367.9	368.2	368.5	372.8	373.6	372.8	368.5	368.2	367.9	368.2	368.5
39°	353.5	354.3	355.0	359.1	358.9	359.1	355.0	354.3	353.5	354.3	355.0
39.5°	339.5	340.9	342.0	345.5	345.0	345.5	342.0	340.9	339.5	340.9	342.0
40°	326.1	327.7	329.6	332.4	331.8	332.4	329.6	327.7	326.1	327.7	329.6
40.5°	313.5	315.1	317.6	319.6	319.5	319.6	317.6	315.1	313.5	315.1	317.6
41°	301.4	302.9	306.3	307.7	308.1	307.7	306.3	302.9	301.4	302.9	306.3
41.5°	289.9	291.6	295.4	296.2	297.6	296.2	295.4	291.6	289.9	291.6	295.4
42°	279.1	280.9	285.0	285.4	287.3	285.4	285.0	280.9	279.1	280.9	285.0
42.5°	269.1	270.8	275.2	275.4	277.4	275.4	275.2	270.8	269.1	270.8	275.2
43°	259.4	261.3	265.6	265.9	267.8	265.9	265.6	261.3	259.4	261.3	265.6
43.5°	250.6	252.5	256.6	256.8	258.5	256.8	256.6	252.5	250.6	252.5	256.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	227.9	229.5	232.0	232.8	233.6	232.8	232.0	229.5	227.9	229.5	232.0
45.5°	221.3	222.6	224.9	225.7	226.3	225.7	224.9	222.6	221.3	222.6	224.9
46°	215.0	216.1	218.1	219.2	219.6	219.2	218.1	216.1	215.0	216.1	218.1
46.5°	209.2	210.1	211.7	212.9	213.3	212.9	211.7	210.1	209.2	210.1	211.7
47°	203.6	204.3	205.8	207.1	207.6	207.1	205.8	204.3	203.6	204.3	205.8
47.5°	198.4	198.9	200.3	201.8	202.4	201.8	200.3	198.9	198.4	198.9	200.3
48°	193.6	194.2	195.6	196.9	197.5	196.9	195.6	194.2	193.6	194.2	195.6
48.5°	189.6	189.9	191.0	192.3	192.8	192.3	191.0	189.9	189.6	189.9	191.0
49°	185.8	186.0	186.9	187.9	188.4	187.9	186.9	186.0	185.8	186.0	186.9
49.5°	182.2	182.4	183.0	183.8	183.9	183.8	183.0	182.4	182.2	182.4	183.0
50°	178.4	178.6	179.1	179.7	179.8	179.7	179.1	178.6	178.4	178.6	179.1
50.5°	174.6	174.8	175.1	175.7	175.7	175.7	175.1	174.8	174.6	174.8	175.1
51°	170.4	170.7	171.2	171.8	171.8	171.8	171.2	170.7	170.4	170.7	171.2
51.5°	166.3	166.4	167.1	167.9	168.0	167.9	167.1	166.4	166.3	166.4	167.1
52°	162.0	162.3	163.0	163.8	163.9	163.8	163.0	162.3	162.0	162.3	163.0
52.5°	157.8	158.1	158.9	159.5	159.8	159.5	158.9	158.1	157.8	158.1	158.9
53°	153.8	154.1	154.8	155.4	155.7	155.4	154.8	154.1	153.8	154.1	154.8
53.5°	149.7	150.1	150.7	151.5	151.8	151.5	150.7	150.1	149.7	150.1	150.7
54°	146.0	146.1	146.7	147.4	147.7	147.4	146.7	146.1	146.0	146.1	146.7
54.5°	142.2	142.3	143.0	143.6	143.9	143.6	143.0	142.3	142.2	142.3	143.0
55°	138.4	138.7	139.3	139.8	140.0	139.8	139.3	138.7	138.4	138.7	139.3
55.5°	134.8	135.1	135.7	136.2	136.3	136.2	135.7	135.1	134.8	135.1	135.7
56°	131.3	131.6	132.1	132.6	132.7	132.6	132.1	131.6	131.3	131.6	132.1
56.5°	127.8	128.1	128.6	129.1	129.2	129.1	128.6	128.1	127.8	128.1	128.6
57°	124.4	124.7	125.1	125.6	125.8	125.6	125.1	124.7	124.4	124.7	125.1
57.5°	120.9	121.4	121.8	122.2	122.5	122.2	121.8	121.4	120.9	121.4	121.8
58°	117.9	118.1	118.5	119.0	119.2	119.0	118.5	118.1	117.9	118.1	118.5
58.5°	114.7	114.9	115.4	115.7	115.8	115.7	115.4	114.9	114.7	114.9	115.4
59°	111.6	111.8	112.1	112.4	112.7	112.4	112.1	111.8	111.6	111.8	112.1
59.5°	108.4	108.6	108.9	109.4	109.5	109.4	108.9	108.6	108.4	108.6	108.9
60°	105.4	105.6	105.9	106.2	106.4	106.2	105.9	105.6	105.4	105.6	105.9
60.5°	102.5	102.6	102.9	103.2	103.4	103.2	102.9	102.6	102.5	102.6	102.9
61°	99.6	99.8	100.1	100.4	100.6	100.4	100.1	99.8	99.6	99.8	100.1
61.5°	96.8	96.9	97.3	97.6	97.7	97.6	97.3	96.9	96.8	96.9	97.3
62°	94.1	94.1	94.4	94.7	94.7	94.7	94.4	94.1	94.1	94.1	94.4
62.5°	91.3	91.4	91.6	91.9	92.0	91.9	91.6	91.4	91.3	91.4	91.6
63°	88.6	88.7	88.9	89.2	89.2	89.2	88.9	88.7	88.6	88.7	88.9
63.5°	85.9	86.1	86.2	86.5	86.7	86.5	86.2	86.1	85.9	86.1	86.2
64°	83.4	83.5	83.7	83.9	84.0	83.9	83.7	83.5	83.4	83.5	83.7
64.5°	80.9	81.0	81.2	81.3	81.5	81.3	81.2	81.0	80.9	81.0	81.2
65°	78.3	78.5	78.7	78.8	79.0	78.8	78.7	78.5	78.3	78.5	78.7
65.5°	76.0	76.0	76.1	76.4	76.4	76.4	76.1	76.0	76.0	76.0	76.1
66°	73.4	73.6	73.8	73.9	74.1	73.9	73.8	73.6	73.4	73.6	73.8



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	66.5	66.7	66.8	67.0	67.0	67.0	66.8	66.7	66.5	66.7	66.8
68°	64.3	64.5	64.6	64.8	64.8	64.8	64.6	64.5	64.3	64.5	64.6
68.5°	62.1	62.3	62.4	62.4	62.6	62.4	62.4	62.3	62.1	62.3	62.4
69°	60.1	60.1	60.1	60.4	60.4	60.4	60.1	60.1	60.1	60.1	60.1
69.5°	57.8	58.0	58.0	58.2	58.3	58.2	58.0	58.0	57.8	58.0	58.0
70°	56.0	56.1	56.0	56.1	56.3	56.1	56.0	56.1	56.0	56.1	56.0
70.5°	53.9	54.1	54.1	54.1	54.2	54.1	54.1	54.1	53.9	54.1	54.1
71°	52.0	52.0	52.0	52.0	52.2	52.0	52.0	52.0	52.0	52.0	52.0
71.5°	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.0	50.0	50.0	50.1
72°	48.1	48.1	48.1	48.2	48.2	48.2	48.1	48.1	48.1	48.1	48.1
72.5°	46.2	46.2	46.2	46.3	46.3	46.3	46.2	46.2	46.2	46.2	46.2
73°	44.3	44.3	44.3	44.4	44.4	44.4	44.3	44.3	44.3	44.3	44.3
73.5°	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.4	42.4	42.4	42.6
74°	40.7	40.7	40.7	40.8	40.8	40.8	40.7	40.7	40.7	40.7	40.7
74.5°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
75°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
75.5°	35.5	35.5	35.5	35.5	35.6	35.5	35.5	35.5	35.5	35.5	35.5
76°	33.9	33.7	33.7	33.9	33.9	33.9	33.7	33.7	33.9	33.7	33.7
76.5°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
77°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
77.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
78°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
78.5°	26.0	26.0	25.8	25.8	26.0	25.8	25.8	26.0	26.0	26.0	25.8
79°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
79.5°	23.0	23.0	22.9	23.0	23.0	23.0	22.9	23.0	23.0	23.0	22.9
80°	21.6	21.6	21.4	21.4	21.4	21.4	21.4	21.6	21.6	21.6	21.4
80.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
81°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
81.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
82°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
82.5°	14.8	14.8	14.8	14.8	14.7	14.8	14.8	14.8	14.8	14.8	14.8
83°	13.6	13.6	13.6	13.4	13.4	13.4	13.6	13.6	13.6	13.6	13.6
83.5°	12.3	12.3	12.3	12.1	12.1	12.1	12.3	12.3	12.3	12.3	12.3
84°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
84.5°	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.8	9.8
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85.5°	7.6	7.4	7.6	7.4	7.6	7.4	7.6	7.4	7.6	7.4	7.6
86°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
86.5°	5.4	5.2	5.2	5.2	5.4	5.2	5.2	5.2	5.4	5.2	5.2
87°	4.3	4.3	4.3	4.1	4.3	4.1	4.3	4.3	4.3	4.3	4.3
87.5°	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2	3.2
88°	2.0	2.2	2.2	2.4	2.4	2.4	2.2	2.2	2.0	2.2	2.2
88.5°	1.3	1.3	1.4	1.6	1.9	1.6	1.4	1.3	1.3	1.3	1.4



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMW-1500lm-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	0.2	0.3	0.5	0.3	0.2	0.0	0.0	0.0	0.2



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1176.9	1176.9	1176.9	1176.9	1176.9	1176.9
0.5°	1176.5	1176.0	1176.5	1176.6	1176.9	1177.1
1°	1176.1	1175.5	1176.1	1176.3	1176.5	1176.6
1.5°	1175.4	1174.9	1175.4	1175.7	1175.7	1176.0
2°	1174.4	1173.8	1174.4	1174.6	1174.9	1175.0
2.5°	1173.1	1172.4	1173.1	1173.3	1173.6	1173.9
3°	1171.4	1170.6	1171.4	1171.7	1172.0	1172.4
3.5°	1169.5	1169.0	1169.5	1169.8	1170.3	1170.6
4°	1167.5	1166.7	1167.5	1167.8	1168.4	1168.6
4.5°	1165.1	1164.2	1165.1	1165.4	1166.1	1166.4
5°	1162.7	1161.6	1162.7	1163.1	1163.7	1164.2
5.5°	1159.6	1158.6	1159.6	1159.9	1160.7	1161.8
6°	1156.3	1155.0	1156.3	1156.8	1157.5	1158.2
6.5°	1152.7	1151.4	1152.7	1153.1	1154.1	1154.5
7°	1148.9	1147.8	1148.9	1149.7	1150.1	1150.8
7.5°	1144.9	1143.8	1144.9	1145.2	1145.9	1146.5
8°	1140.4	1139.7	1140.4	1140.8	1141.5	1141.9
8.5°	1135.5	1134.8	1135.5	1135.9	1136.6	1137.2
9°	1130.4	1129.8	1130.4	1130.9	1131.7	1132.2
9.5°	1125.1	1124.4	1125.1	1125.5	1126.3	1126.7
10°	1119.4	1118.6	1119.4	1120.0	1120.7	1121.1
10.5°	1113.4	1112.8	1113.4	1113.9	1114.7	1115.0
11°	1107.3	1106.5	1107.3	1107.9	1108.5	1108.8
11.5°	1100.8	1100.2	1100.8	1101.4	1102.1	1102.4
12°	1094.2	1093.6	1094.2	1095.0	1095.4	1095.8
12.5°	1087.2	1086.5	1087.2	1088.0	1088.5	1088.8
13°	1080.3	1079.5	1080.3	1080.9	1081.4	1081.7
13.5°	1073.1	1072.4	1073.1	1073.7	1074.0	1074.3
14°	1065.7	1065.0	1065.7	1066.3	1066.6	1066.8
14.5°	1057.9	1057.3	1057.9	1058.6	1058.7	1058.9
15°	1050.4	1049.7	1050.4	1050.7	1051.0	1051.0
15.5°	1042.8	1042.5	1042.8	1043.1	1042.8	1042.8
16°	1035.4	1035.1	1035.4	1035.5	1035.1	1034.9
16.5°	1028.0	1027.8	1028.0	1028.0	1027.4	1027.0
17°	1020.4	1020.6	1020.4	1020.6	1019.9	1019.6
17.5°	1013.0	1012.9	1013.0	1013.2	1012.7	1012.4
18°	1005.4	1005.1	1005.4	1005.8	1005.4	1005.3
18.5°	997.4	996.9	997.4	997.7	997.7	997.7
19°	988.7	988.3	988.7	989.2	989.5	990.0
19.5°	979.6	979.1	979.6	979.9	980.9	981.5
20°	969.8	968.7	969.8	969.7	971.4	972.2
20.5°	959.3	958.0	959.3	958.6	960.7	961.9
21°	947.8	946.2	947.8	947.0	949.3	951.2



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	908.3	907.6	908.3	908.5	910.1	912.0
23°	894.0	893.7	894.0	895.1	895.4	897.0
23.5°	879.2	880.0	879.2	881.1	880.3	881.7
24°	864.1	865.5	864.1	866.6	864.7	865.8
24.5°	848.8	850.7	848.8	851.3	848.9	849.4
25°	833.5	834.9	833.5	835.4	832.5	832.2
25.5°	818.2	818.5	818.2	819.0	816.5	814.4
26°	802.3	801.0	802.3	802.1	799.8	796.1
26.5°	785.7	782.9	785.7	784.6	782.7	777.4
27°	768.7	764.4	768.7	767.0	765.1	759.1
27.5°	751.2	745.7	751.2	749.0	746.8	741.1
28°	732.9	726.9	732.9	730.7	728.5	723.1
28.5°	714.3	708.8	714.3	712.4	709.9	705.7
29°	695.4	691.6	695.4	694.1	691.2	688.3
29.5°	676.5	674.8	676.5	676.0	672.7	671.3
30°	657.6	657.7	657.6	657.4	653.8	654.3
30.5°	639.3	641.7	639.3	639.0	635.5	636.6
31°	621.0	624.6	621.0	620.4	616.8	619.1
31.5°	602.9	607.5	602.9	601.8	598.8	601.2
32°	585.1	589.8	585.1	583.3	580.7	582.9
32.5°	567.4	572.2	567.4	565.2	563.3	565.2
33°	549.8	554.2	549.8	546.6	546.0	547.4
33.5°	532.1	536.1	532.1	528.2	528.6	531.5
34°	514.8	518.9	514.8	509.9	511.3	514.3
34.5°	497.3	501.9	497.3	492.1	494.1	497.3
35°	480.4	485.3	480.4	475.2	477.4	480.1
35.5°	463.7	469.1	463.7	458.5	460.9	463.4
36°	447.6	453.2	447.6	442.3	444.3	447.0
36.5°	431.7	436.9	431.7	426.5	428.4	430.8
37°	416.3	420.8	416.3	411.1	412.6	414.4
37.5°	401.5	404.8	401.5	396.3	397.4	398.5
38°	387.0	388.8	387.0	382.1	382.5	382.7
38.5°	372.8	373.6	372.8	368.5	368.2	367.9
39°	359.1	358.9	359.1	355.0	354.3	353.5
39.5°	345.5	345.0	345.5	342.0	340.9	339.5
40°	332.4	331.8	332.4	329.6	327.7	326.1
40.5°	319.6	319.5	319.6	317.6	315.1	313.5
41°	307.7	308.1	307.7	306.3	302.9	301.4
41.5°	296.2	297.6	296.2	295.4	291.6	289.9
42°	285.4	287.3	285.4	285.0	280.9	279.1
42.5°	275.4	277.4	275.4	275.2	270.8	269.1
43°	265.9	267.8	265.9	265.6	261.3	259.4
43.5°	256.8	258.5	256.8	256.6	252.5	250.6



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	232.8	233.6	232.8	232.0	229.5	227.9
45.5°	225.7	226.3	225.7	224.9	222.6	221.3
46°	219.2	219.6	219.2	218.1	216.1	215.0
46.5°	212.9	213.3	212.9	211.7	210.1	209.2
47°	207.1	207.6	207.1	205.8	204.3	203.6
47.5°	201.8	202.4	201.8	200.3	198.9	198.4
48°	196.9	197.5	196.9	195.6	194.2	193.6
48.5°	192.3	192.8	192.3	191.0	189.9	189.6
49°	187.9	188.4	187.9	186.9	186.0	185.8
49.5°	183.8	183.9	183.8	183.0	182.4	182.2
50°	179.7	179.8	179.7	179.1	178.6	178.4
50.5°	175.7	175.7	175.7	175.1	174.8	174.6
51°	171.8	171.8	171.8	171.2	170.7	170.4
51.5°	167.9	168.0	167.9	167.1	166.4	166.3
52°	163.8	163.9	163.8	163.0	162.3	162.0
52.5°	159.5	159.8	159.5	158.9	158.1	157.8
53°	155.4	155.7	155.4	154.8	154.1	153.8
53.5°	151.5	151.8	151.5	150.7	150.1	149.7
54°	147.4	147.7	147.4	146.7	146.1	146.0
54.5°	143.6	143.9	143.6	143.0	142.3	142.2
55°	139.8	140.0	139.8	139.3	138.7	138.4
55.5°	136.2	136.3	136.2	135.7	135.1	134.8
56°	132.6	132.7	132.6	132.1	131.6	131.3
56.5°	129.1	129.2	129.1	128.6	128.1	127.8
57°	125.6	125.8	125.6	125.1	124.7	124.4
57.5°	122.2	122.5	122.2	121.8	121.4	120.9
58°	119.0	119.2	119.0	118.5	118.1	117.9
58.5°	115.7	115.8	115.7	115.4	114.9	114.7
59°	112.4	112.7	112.4	112.1	111.8	111.6
59.5°	109.4	109.5	109.4	108.9	108.6	108.4
60°	106.2	106.4	106.2	105.9	105.6	105.4
60.5°	103.2	103.4	103.2	102.9	102.6	102.5
61°	100.4	100.6	100.4	100.1	99.8	99.6
61.5°	97.6	97.7	97.6	97.3	96.9	96.8
62°	94.7	94.7	94.7	94.4	94.1	94.1
62.5°	91.9	92.0	91.9	91.6	91.4	91.3
63°	89.2	89.2	89.2	88.9	88.7	88.6
63.5°	86.5	86.7	86.5	86.2	86.1	85.9
64°	83.9	84.0	83.9	83.7	83.5	83.4
64.5°	81.3	81.5	81.3	81.2	81.0	80.9
65°	78.8	79.0	78.8	78.7	78.5	78.3
65.5°	76.4	76.4	76.4	76.1	76.0	76.0
66°	73.9	74.1	73.9	73.8	73.6	73.4



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	67.0	67.0	67.0	66.8	66.7	66.5
68°	64.8	64.8	64.8	64.6	64.5	64.3
68.5°	62.4	62.6	62.4	62.4	62.3	62.1
69°	60.4	60.4	60.4	60.1	60.1	60.1
69.5°	58.2	58.3	58.2	58.0	58.0	57.8
70°	56.1	56.3	56.1	56.0	56.1	56.0
70.5°	54.1	54.2	54.1	54.1	54.1	53.9
71°	52.0	52.2	52.0	52.0	52.0	52.0
71.5°	50.1	50.1	50.1	50.1	50.0	50.0
72°	48.2	48.2	48.2	48.1	48.1	48.1
72.5°	46.3	46.3	46.3	46.2	46.2	46.2
73°	44.4	44.4	44.4	44.3	44.3	44.3
73.5°	42.6	42.6	42.6	42.6	42.4	42.4
74°	40.8	40.8	40.8	40.7	40.7	40.7
74.5°	38.9	38.9	38.9	38.9	38.9	38.9
75°	37.2	37.2	37.2	37.2	37.2	37.2
75.5°	35.5	35.6	35.5	35.5	35.5	35.5
76°	33.9	33.9	33.9	33.7	33.7	33.9
76.5°	32.2	32.2	32.2	32.2	32.2	32.2
77°	30.6	30.6	30.6	30.6	30.6	30.6
77.5°	29.0	29.0	29.0	29.0	29.0	29.0
78°	27.4	27.4	27.4	27.4	27.4	27.4
78.5°	25.8	26.0	25.8	25.8	26.0	26.0
79°	24.4	24.4	24.4	24.4	24.4	24.4
79.5°	23.0	23.0	23.0	22.9	23.0	23.0
80°	21.4	21.4	21.4	21.4	21.6	21.6
80.5°	20.2	20.2	20.2	20.2	20.2	20.2
81°	18.8	18.8	18.8	18.8	18.8	18.8
81.5°	17.3	17.3	17.3	17.3	17.3	17.3
82°	16.1	16.1	16.1	16.1	16.1	16.1
82.5°	14.8	14.7	14.8	14.8	14.8	14.8
83°	13.4	13.4	13.4	13.6	13.6	13.6
83.5°	12.1	12.1	12.1	12.3	12.3	12.3
84°	11.0	11.0	11.0	11.0	11.0	11.0
84.5°	9.8	9.8	9.8	9.8	9.8	9.9
85°	8.7	8.7	8.7	8.7	8.7	8.7
85.5°	7.4	7.6	7.4	7.6	7.4	7.6
86°	6.3	6.3	6.3	6.3	6.3	6.3
86.5°	5.2	5.4	5.2	5.2	5.2	5.4
87°	4.1	4.3	4.1	4.3	4.3	4.3
87.5°	3.2	3.3	3.2	3.2	3.2	3.2
88°	2.4	2.4	2.4	2.2	2.2	2.0
88.5°	1.6	1.9	1.6	1.4	1.3	1.3



TEST NUMBER: P775917

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMW-1500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.3	0.5	0.3	0.2	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

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°

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Scaled Data Report



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Scaled Data Report





21.5°	938.8	937.2	934.5	935.3	933.7	935.3	934.5	937.2	938.8	937.2	934.5
22°	925.7	924.1	921.7	922.1	920.5	922.1	921.7	924.1	925.7	924.1	921.7



44°	242.4	244.3	247.9	248.2	249.8	248.2	247.9	244.3	242.4	244.3	247.9
44.5°	234.9	236.7	239.9	240.4	241.5	240.4	239.9	236.7	234.9	236.7	239.9



66.5°	71.1	71.2	71.4	71.6	71.7	71.6	71.4	71.2	71.1	71.2	71.4
67°	68.9	68.9	69.0	69.2	69.4	69.2	69.0	68.9	68.9	68.9	69.0



89°	0.5	0.6	0.9	1.1	1.3	1.1	0.9	0.6	0.5	0.6	0.9
89.5°	0.0	0.2	0.5	0.6	0.8	0.6	0.5	0.2	0.0	0.2	0.5

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Scaled Data Report





21.5°	935.3	933.7	935.3	934.5	937.2	938.8
22°	922.1	920.5	922.1	921.7	924.1	925.7



44°	248.2	249.8	248.2	247.9	244.3	242.4
44.5°	240.4	241.5	240.4	239.9	236.7	234.9



66.5°	71.6	71.7	71.6	71.4	71.2	71.1
67°	69.2	69.4	69.2	69.0	68.9	68.9



89°	1.1	1.3	1.1	0.9	0.6	0.5
89.5°	0.6	0.8	0.6	0.5	0.2	0.0

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)