

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

Report Number: P938646

Luminaire Tested: SMX8RLSFSD2W-1500LM-2700K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2405950-01A001)
Test Lab:
Issue Date: 1/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SMX8RLSFSD2W-1500LM-2700K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

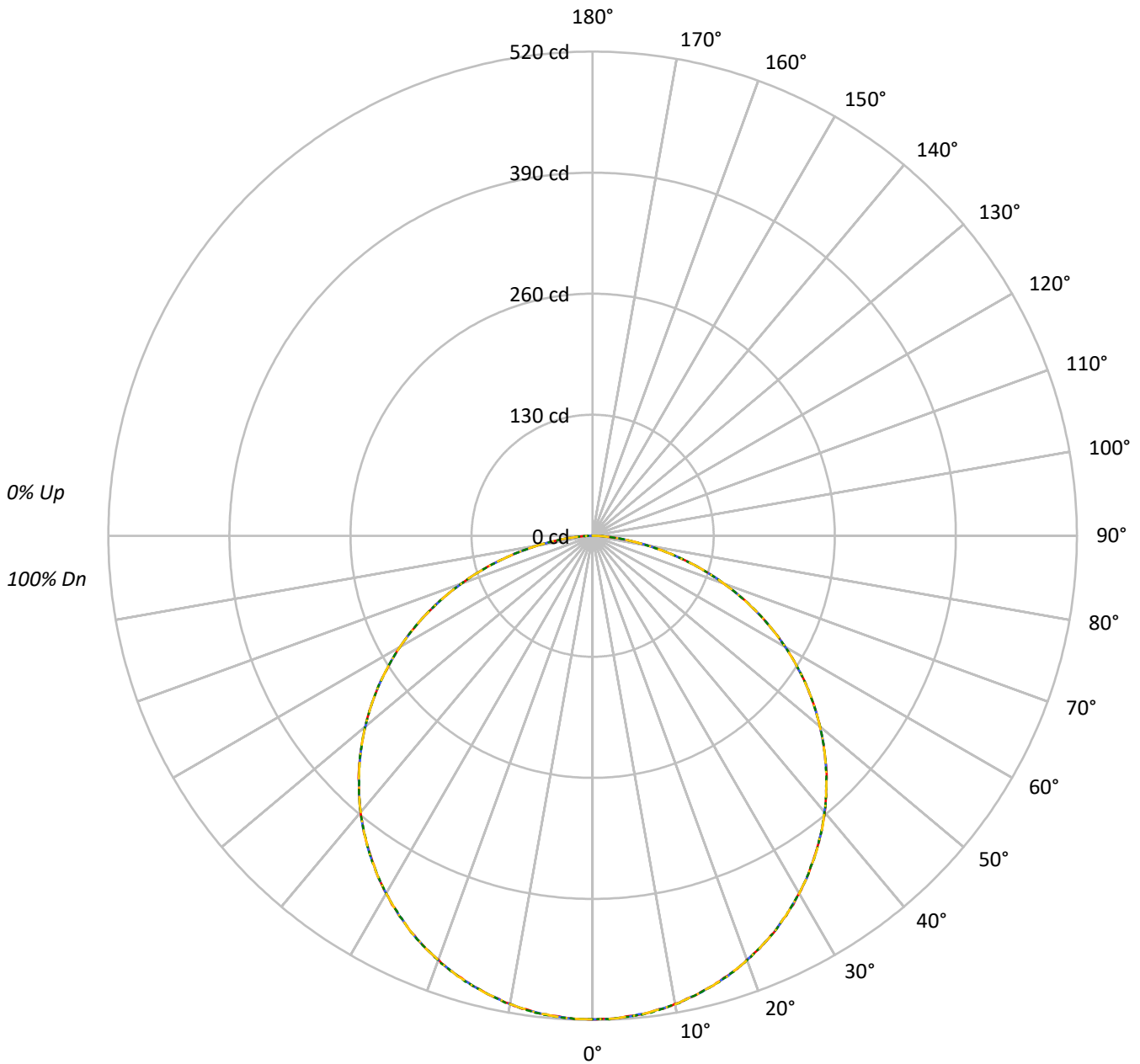
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1520.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
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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CATALOG NUMBER: SMX8RLSFS2W-1500LM-2700K

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83								
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43								
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26								
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12652	12652	12652	12652
5°	12649	12654	12649	12654
10°	12630	12635	12630	12635
15°	12620	12604	12620	12604
20°	12562	12573	12562	12573
25°	12536	12538	12536	12538
30°	12474	12480	12474	12480
35°	12397	12406	12397	12406
40°	12328	12325	12328	12325
45°	12229	12205	12229	12205
50°	12080	12092	12080	12092
55°	11907	11915	11907	11915
60°	11641	11632	11641	11632
65°	11259	11265	11259	11265
70°	10671	10664	10671	10664
75°	9743	9771	9743	9771
80°	8348	8362	8348	8362
85°	6290	6346	6290	6346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12229 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	3.2
10°-20°	141.1	9.3
20°-30°	214.8	14.1
30°-40°	261.0	17.2
40°-50°	273.4	18.0
50°-60°	250.2	16.5
60°-70°	193.0	12.7
70°-80°	109.7	7.2
80°-90°	27.8	1.8
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°	405.1	26.7
0°-40°	666.0	43.8
0°-60°	1189.6	78.3
0°-90°	1520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1520.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	519	519	519	519	519	
5°	517	517	517	517	517	49
15°	500	500	500	500	500	141
25°	466	466	466	466	466	215
35°	417	417	417	417	417	261
45°	355	354	355	354	355	274
55°	280	280	280	280	280	250
65°	195	195	195	195	195	193
75°	104	104	104	104	104	110
85°	22	23	22	23	22	28
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°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3
0.5°	519.5	518.8	519.4	519.9	519.2	519.9	519.4	518.8	519.5	518.8	519.4
1°	518.9	518.9	519.2	519.4	519.2	519.4	519.2	518.9	518.9	518.9	519.2
1.5°	519.0	518.9	519.2	519.2	518.9	519.2	519.2	518.9	519.0	518.9	519.2
2°	519.0	518.9	519.1	519.1	519.6	519.1	519.1	518.9	519.0	518.9	519.1
2.5°	519.0	518.6	518.9	518.8	518.8	518.8	518.9	518.6	519.0	518.6	518.9
3°	518.7	518.4	518.8	518.4	518.7	518.4	518.8	518.4	518.7	518.4	518.8
3.5°	518.4	517.9	518.0	518.5	518.5	518.5	518.0	517.9	518.4	517.9	518.0
4°	517.6	517.8	518.1	517.7	518.1	517.7	518.1	517.8	517.6	517.8	518.1
4.5°	517.3	517.6	517.8	517.7	518.1	517.7	517.8	517.6	517.3	517.6	517.8
5°	517.2	517.1	517.2	517.2	517.4	517.2	517.2	517.1	517.2	517.1	517.2
5.5°	516.9	516.3	516.4	516.9	517.0	516.9	516.4	516.3	516.9	516.3	516.4
6°	516.3	515.8	516.4	516.0	517.1	516.0	516.4	515.8	516.3	515.8	516.4
6.5°	516.0	515.5	515.7	515.5	515.9	515.5	515.7	515.5	516.0	515.5	515.7
7°	515.1	514.8	515.1	515.0	515.9	515.0	515.1	514.8	515.1	514.8	515.1
7.5°	514.2	514.4	514.2	514.6	514.7	514.6	514.2	514.4	514.2	514.4	514.2
8°	513.5	513.9	513.8	513.5	514.4	513.5	513.8	513.9	513.5	513.9	513.8
8.5°	513.7	513.0	513.1	512.5	513.1	512.5	513.1	513.0	513.7	513.0	513.1
9°	512.3	512.4	512.4	512.4	512.7	512.4	512.4	512.4	512.3	512.4	512.4
9.5°	511.9	511.2	511.3	511.3	511.4	511.3	511.3	511.2	511.9	511.2	511.3
10°	510.5	510.7	510.8	511.0	510.7	511.0	510.8	510.7	510.5	510.7	510.8
10.5°	510.0	509.2	509.9	509.9	510.6	509.9	509.9	509.2	510.0	509.2	509.9
11°	509.1	508.3	508.5	509.0	509.0	509.0	508.5	508.3	509.1	508.3	508.5
11.5°	507.2	507.7	507.9	508.0	507.8	508.0	507.9	507.7	507.2	507.7	507.9
12°	506.7	506.9	506.3	506.4	506.6	506.4	506.3	506.9	506.7	506.9	506.3
12.5°	505.8	505.6	505.7	505.8	505.8	505.8	505.7	505.6	505.8	505.6	505.7
13°	504.7	504.9	504.8	504.6	504.5	504.6	504.8	504.9	504.7	504.9	504.8
13.5°	503.2	503.4	503.7	503.7	503.6	503.7	503.7	503.4	503.2	503.4	503.7
14°	502.1	502.4	502.2	502.5	501.8	502.5	502.2	502.4	502.1	502.4	502.2
14.5°	501.0	500.9	501.1	501.1	501.6	501.1	501.1	500.9	501.0	500.9	501.1
15°	500.3	499.4	499.9	499.7	499.7	499.7	499.9	499.4	500.3	499.4	499.9
15.5°	498.2	498.2	498.6	498.5	498.7	498.5	498.6	498.2	498.2	498.2	498.6
16°	497.2	497.0	497.2	497.5	497.8	497.5	497.2	497.0	497.2	497.0	497.2
16.5°	495.3	495.7	495.7	495.6	495.9	495.6	495.7	495.7	495.3	495.7	495.7
17°	494.4	494.1	494.9	494.1	494.6	494.1	494.9	494.1	494.4	494.1	494.9
17.5°	492.9	492.5	492.9	493.1	492.8	493.1	492.9	492.5	492.9	492.5	492.9
18°	491.3	491.3	491.4	491.3	491.9	491.3	491.4	491.3	491.3	491.3	491.4
18.5°	490.2	489.8	489.8	489.9	489.8	489.9	489.8	489.8	490.2	489.8	489.8
19°	488.1	488.2	488.5	488.0	488.4	488.0	488.5	488.2	488.1	488.2	488.5
19.5°	486.8	486.6	486.6	486.7	487.0	486.7	486.6	486.6	486.8	486.6	486.6
20°	484.5	484.4	485.0	484.7	484.9	484.7	485.0	484.4	484.5	484.4	485.0
20.5°	483.6	483.3	482.9	483.1	483.5	483.1	482.9	483.3	483.6	483.3	482.9
21°	481.2	481.6	481.3	481.5	481.3	481.5	481.3	481.6	481.2	481.6	481.3



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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°	476.2	476.0	475.9	476.2	476.4	476.2	475.9	476.0	476.2	476.0	475.9
23°	474.2	474.0	474.1	474.3	473.9	474.3	474.1	474.0	474.2	474.0	474.1
23.5°	472.5	472.1	472.3	472.4	472.7	472.4	472.3	472.1	472.5	472.1	472.3
24°	469.9	470.1	470.6	470.1	470.4	470.1	470.6	470.1	469.9	470.1	470.6
24.5°	468.7	468.0	468.4	468.1	468.6	468.1	468.4	468.0	468.7	468.0	468.4
25°	466.3	466.2	466.4	466.2	466.4	466.2	466.4	466.2	466.3	466.2	466.4
25.5°	463.9	463.5	464.1	463.9	464.2	463.9	464.1	463.5	463.9	463.5	464.1
26°	461.9	461.9	461.8	461.9	461.8	461.9	461.8	461.9	461.9	461.9	461.8
26.5°	459.5	459.5	459.5	459.7	459.3	459.7	459.5	459.5	459.5	459.5	459.5
27°	457.9	457.7	457.5	457.3	457.9	457.3	457.5	457.7	457.9	457.7	457.5
27.5°	455.3	454.8	455.1	455.1	454.8	455.1	455.1	454.8	455.3	454.8	455.1
28°	452.7	453.0	453.0	453.3	452.9	453.3	453.0	453.0	452.7	453.0	453.0
28.5°	451.2	450.7	450.5	450.3	450.5	450.3	450.5	450.7	451.2	450.7	450.5
29°	448.4	448.3	448.2	448.4	448.1	448.4	448.2	448.3	448.4	448.3	448.2
29.5°	445.6	445.4	445.7	445.5	445.8	445.5	445.7	445.4	445.6	445.4	445.7
30°	443.4	443.3	443.7	443.4	443.6	443.4	443.7	443.3	443.4	443.3	443.7
30.5°	441.4	440.6	440.9	441.1	441.1	441.1	440.9	440.6	441.4	440.6	440.9
31°	438.4	438.5	438.3	438.4	438.4	438.4	438.3	438.5	438.4	438.5	438.3
31.5°	436.2	435.9	436.0	436.0	436.2	436.0	436.0	435.9	436.2	435.9	436.0
32°	433.8	433.2	433.6	433.2	433.2	433.2	433.6	433.2	433.8	433.2	433.6
32.5°	430.9	430.7	430.8	430.7	431.0	430.7	430.8	430.7	430.9	430.7	430.8
33°	428.1	427.7	428.1	428.2	427.7	428.2	428.1	427.7	428.1	427.7	428.1
33.5°	425.0	425.4	425.0	425.2	425.1	425.2	425.0	425.4	425.0	425.4	425.0
34°	422.6	422.8	422.7	422.3	423.0	422.3	422.7	422.8	422.6	422.8	422.7
34.5°	419.7	419.9	420.0	420.0	420.2	420.0	420.0	419.9	419.7	419.9	420.0
35°	416.8	417.3	417.3	417.2	417.1	417.2	417.3	417.3	416.8	417.3	417.3
35.5°	414.2	414.1	414.6	414.2	414.4	414.2	414.6	414.1	414.2	414.1	414.6
36°	411.3	411.2	411.5	411.3	411.8	411.3	411.5	411.2	411.3	411.2	411.5
36.5°	408.7	408.6	408.4	408.6	408.3	408.6	408.4	408.6	408.7	408.6	408.4
37°	405.6	405.1	405.7	405.3	405.5	405.3	405.7	405.1	405.6	405.1	405.7
37.5°	403.0	402.3	402.8	402.7	402.7	402.7	402.8	402.3	403.0	402.3	402.8
38°	400.1	399.6	400.0	399.7	399.6	399.7	400.0	399.6	400.1	399.6	400.0
38.5°	396.8	396.7	397.0	396.9	396.6	396.9	397.0	396.7	396.8	396.7	397.0
39°	393.7	394.1	393.6	393.7	393.5	393.7	393.6	394.1	393.7	394.1	393.6
39.5°	390.8	390.6	390.3	390.4	390.9	390.4	390.3	390.6	390.8	390.6	390.3
40°	387.6	387.4	387.1	387.5	387.5	387.5	387.1	387.4	387.6	387.4	387.1
40.5°	384.6	384.1	384.2	384.3	384.5	384.3	384.2	384.1	384.6	384.1	384.2
41°	381.3	380.7	381.5	381.1	381.4	381.1	381.5	380.7	381.3	380.7	381.5
41.5°	378.0	377.8	377.9	377.8	377.7	377.8	377.9	377.8	378.0	377.8	377.9
42°	375.1	374.3	374.5	374.6	375.0	374.6	374.5	374.3	375.1	374.3	374.5
42.5°	371.3	371.3	371.0	371.3	371.4	371.3	371.0	371.3	371.3	371.3	371.0
43°	367.9	368.0	368.0	367.9	367.8	367.9	368.0	368.0	367.9	368.0	368.0
43.5°	364.6	364.5	364.5	364.7	364.3	364.7	364.5	364.5	364.6	364.5	364.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	354.9	354.5	354.5	354.3	354.2	354.3	354.5	354.5	354.9	354.5	354.5
45.5°	351.4	351.0	351.1	350.9	351.1	350.9	351.1	351.0	351.4	351.0	351.1
46°	347.5	347.6	347.4	347.4	347.9	347.4	347.4	347.6	347.5	347.6	347.4
46.5°	344.1	344.1	343.9	343.9	344.3	343.9	343.9	344.1	344.1	344.1	343.9
47°	340.6	340.5	340.4	340.3	340.6	340.3	340.4	340.5	340.6	340.5	340.4
47.5°	337.0	336.9	337.0	336.9	336.9	336.9	337.0	336.9	337.0	336.9	337.0
48°	333.4	333.3	333.3	333.2	333.3	333.2	333.3	333.3	333.4	333.3	333.3
48.5°	329.8	329.8	329.7	329.7	329.5	329.7	329.7	329.8	329.8	329.8	329.7
49°	326.0	326.1	326.0	325.9	326.2	325.9	326.0	326.1	326.0	326.1	326.0
49.5°	322.3	322.4	322.3	322.3	322.4	322.3	322.3	322.4	322.3	322.4	322.3
50°	318.7	318.8	318.6	318.6	319.0	318.6	318.6	318.8	318.7	318.8	318.6
50.5°	315.1	314.9	314.9	314.7	315.1	314.7	314.9	314.9	315.1	314.9	314.9
51°	311.2	311.0	311.2	310.9	311.0	310.9	311.2	311.0	311.2	311.0	311.2
51.5°	307.4	307.4	307.3	307.3	307.2	307.3	307.3	307.4	307.4	307.4	307.3
52°	303.7	303.6	303.5	303.6	303.6	303.6	303.5	303.6	303.7	303.6	303.5
52.5°	300.0	299.6	299.8	300.0	299.7	300.0	299.8	299.6	300.0	299.6	299.8
53°	295.9	295.9	295.9	295.7	296.0	295.7	295.9	295.9	295.9	295.9	295.9
53.5°	292.2	292.1	292.1	291.9	291.9	291.9	292.1	292.1	292.2	292.1	292.1
54°	287.9	287.9	288.2	288.1	288.0	288.1	288.2	287.9	287.9	287.9	288.2
54.5°	284.2	283.9	284.2	283.8	284.4	283.8	284.2	283.9	284.2	283.9	284.2
55°	280.3	280.2	280.1	280.0	280.5	280.0	280.1	280.2	280.3	280.2	280.1
55.5°	276.5	276.2	276.1	275.8	276.0	275.8	276.1	276.2	276.5	276.2	276.1
56°	271.9	272.1	272.1	271.9	272.1	271.9	272.1	272.1	271.9	272.1	272.1
56.5°	268.1	268.1	268.0	268.0	268.0	268.0	268.0	268.1	268.1	268.1	268.0
57°	263.4	263.6	263.9	263.7	263.7	263.7	263.9	263.6	263.4	263.6	263.9
57.5°	259.6	259.6	259.7	259.4	259.9	259.4	259.7	259.6	259.6	259.6	259.7
58°	255.6	255.9	255.6	255.5	255.7	255.5	255.6	255.9	255.6	255.9	255.6
58.5°	251.6	251.7	251.4	251.5	251.2	251.5	251.4	251.7	251.6	251.7	251.4
59°	247.3	247.3	247.3	247.2	247.4	247.2	247.3	247.3	247.3	247.3	247.3
59.5°	243.4	243.4	243.1	242.8	243.3	242.8	243.1	243.4	243.4	243.4	243.1
60°	238.9	238.9	239.0	239.0	238.7	239.0	239.0	238.9	238.9	238.9	239.0
60.5°	234.6	234.8	234.7	234.8	234.4	234.8	234.7	234.8	234.6	234.8	234.7
61°	230.5	230.5	230.5	230.3	230.5	230.3	230.5	230.5	230.5	230.5	230.5
61.5°	226.4	226.3	226.0	226.2	226.3	226.2	226.0	226.3	226.4	226.3	226.0
62°	222.0	221.9	221.7	221.6	221.6	221.6	221.7	221.9	222.0	221.9	221.7
62.5°	217.5	217.5	217.4	217.3	217.4	217.3	217.4	217.5	217.5	217.5	217.4
63°	212.8	213.1	213.2	213.1	213.0	213.1	213.2	213.1	212.8	213.1	213.2
63.5°	208.7	208.6	208.6	208.6	208.7	208.6	208.6	208.6	208.7	208.6	208.6
64°	204.2	204.0	204.2	204.3	204.3	204.3	204.2	204.0	204.2	204.0	204.2
64.5°	200.1	199.8	199.8	199.4	199.9	199.4	199.8	199.8	200.1	199.8	199.8
65°	195.3	195.4	195.3	195.0	195.4	195.0	195.3	195.4	195.3	195.4	195.3
65.5°	190.6	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.6	190.8	190.8
66°	186.2	186.5	186.2	186.2	186.3	186.2	186.2	186.5	186.2	186.5	186.2



TEST NUMBER: P938646

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	172.6	172.7	172.8	172.4	172.4	172.4	172.8	172.7	172.6	172.7	172.8
68°	168.4	168.4	168.1	167.9	168.2	167.9	168.1	168.4	168.4	168.4	168.1
68.5°	163.6	163.7	163.6	163.7	163.9	163.7	163.6	163.7	163.6	163.7	163.6
69°	159.1	159.0	159.1	159.2	159.2	159.2	159.1	159.0	159.1	159.0	159.1
69.5°	154.3	154.4	154.4	154.4	154.5	154.4	154.4	154.4	154.3	154.4	154.4
70°	149.8	150.0	149.8	149.8	149.7	149.8	149.8	150.0	149.8	150.0	149.8
70.5°	145.4	145.4	145.2	145.4	145.3	145.4	145.2	145.4	145.4	145.4	145.2
71°	140.9	140.7	140.8	140.6	140.6	140.6	140.8	140.7	140.9	140.7	140.8
71.5°	136.3	136.2	136.1	136.1	136.0	136.1	136.1	136.2	136.3	136.2	136.1
72°	131.6	131.5	131.4	131.4	131.4	131.4	131.4	131.5	131.6	131.5	131.4
72.5°	127.0	126.9	126.9	126.7	126.9	126.7	126.9	126.9	127.0	126.9	126.9
73°	122.0	122.0	122.0	122.2	122.0	122.2	122.0	122.0	122.0	122.0	122.0
73.5°	117.7	117.6	117.6	117.5	117.5	117.5	117.6	117.6	117.7	117.6	117.6
74°	113.0	113.0	113.0	112.8	112.9	112.8	113.0	113.0	113.0	113.0	113.0
74.5°	108.4	108.3	108.3	108.2	108.2	108.2	108.3	108.3	108.4	108.3	108.3
75°	103.5	103.8	103.6	103.7	103.8	103.7	103.6	103.8	103.5	103.8	103.6
75.5°	99.2	99.1	99.1	99.0	99.0	99.0	99.1	99.1	99.2	99.1	99.1
76°	94.7	94.6	94.5	94.5	94.6	94.5	94.5	94.6	94.7	94.6	94.5
76.5°	90.2	90.1	90.1	90.1	90.3	90.1	90.1	90.1	90.2	90.1	90.1
77°	85.8	85.7	85.5	85.6	85.6	85.6	85.5	85.7	85.8	85.7	85.5
77.5°	81.2	81.3	81.2	81.2	81.1	81.2	81.2	81.3	81.2	81.3	81.2
78°	76.7	76.8	76.7	76.8	76.9	76.8	76.7	76.8	76.7	76.8	76.7
78.5°	72.4	72.4	72.3	72.3	72.5	72.3	72.3	72.4	72.4	72.4	72.3
79°	67.9	68.1	67.8	67.9	68.0	67.9	67.8	68.1	67.9	68.1	67.8
79.5°	63.9	63.8	63.7	63.7	63.9	63.7	63.7	63.8	63.9	63.8	63.7
80°	59.5	59.5	59.5	59.6	59.6	59.6	59.5	59.5	59.5	59.5	59.5
80.5°	55.5	55.5	55.5	55.5	55.4	55.5	55.5	55.5	55.5	55.5	55.5
81°	51.4	51.5	51.4	51.4	51.5	51.4	51.4	51.5	51.4	51.5	51.4
81.5°	47.5	47.5	47.5	47.4	47.5	47.4	47.5	47.5	47.5	47.5	47.5
82°	43.7	43.7	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.6
82.5°	39.9	39.9	39.9	39.8	39.9	39.8	39.9	39.9	39.9	39.9	39.9
83°	36.2	36.2	36.2	36.1	36.2	36.1	36.2	36.2	36.2	36.2	36.2
83.5°	32.6	32.6	32.5	32.5	32.5	32.5	32.5	32.6	32.6	32.6	32.5
84°	29.1	29.2	29.1	28.9	29.1	28.9	29.1	29.2	29.1	29.2	29.1
84.5°	25.9	25.9	25.7	25.8	25.8	25.8	25.7	25.9	25.9	25.9	25.7
85°	22.5	22.6	22.6	22.6	22.7	22.6	22.6	22.6	22.5	22.6	22.6
85.5°	19.5	19.5	19.6	19.7	19.9	19.7	19.6	19.5	19.5	19.5	19.6
86°	16.8	16.8	16.9	17.0	17.1	17.0	16.9	16.8	16.8	16.8	16.9
86.5°	14.3	14.3	14.2	14.4	15.0	14.4	14.2	14.3	14.3	14.3	14.2
87°	11.9	12.0	12.0	12.1	12.3	12.1	12.0	12.0	11.9	12.0	12.0
87.5°	9.9	9.8	9.9	10.1	10.3	10.1	9.9	9.8	9.9	9.8	9.9
88°	7.9	7.9	8.0	8.1	8.3	8.1	8.0	7.9	7.9	7.9	8.0
88.5°	6.4	6.4	6.4	6.4	6.6	6.4	6.4	6.4	6.4	6.4	6.4



TEST NUMBER: P938646
CATALOG NUMBER: SMX8RLSFS2W-1500LM-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: P938646

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	519.3	519.3	519.3	519.3	519.3	519.3
0.5°	519.9	519.2	519.9	519.4	518.8	519.5
1°	519.4	519.2	519.4	519.2	518.9	518.9
1.5°	519.2	518.9	519.2	519.2	518.9	519.0
2°	519.1	519.6	519.1	519.1	518.9	519.0
2.5°	518.8	518.8	518.8	518.9	518.6	519.0
3°	518.4	518.7	518.4	518.8	518.4	518.7
3.5°	518.5	518.5	518.5	518.0	517.9	518.4
4°	517.7	518.1	517.7	518.1	517.8	517.6
4.5°	517.7	518.1	517.7	517.8	517.6	517.3
5°	517.2	517.4	517.2	517.2	517.1	517.2
5.5°	516.9	517.0	516.9	516.4	516.3	516.9
6°	516.0	517.1	516.0	516.4	515.8	516.3
6.5°	515.5	515.9	515.5	515.7	515.5	516.0
7°	515.0	515.9	515.0	515.1	514.8	515.1
7.5°	514.6	514.7	514.6	514.2	514.4	514.2
8°	513.5	514.4	513.5	513.8	513.9	513.5
8.5°	512.5	513.1	512.5	513.1	513.0	513.7
9°	512.4	512.7	512.4	512.4	512.4	512.3
9.5°	511.3	511.4	511.3	511.3	511.2	511.9
10°	511.0	510.7	511.0	510.8	510.7	510.5
10.5°	509.9	510.6	509.9	509.9	509.2	510.0
11°	509.0	509.0	509.0	508.5	508.3	509.1
11.5°	508.0	507.8	508.0	507.9	507.7	507.2
12°	506.4	506.6	506.4	506.3	506.9	506.7
12.5°	505.8	505.8	505.8	505.7	505.6	505.8
13°	504.6	504.5	504.6	504.8	504.9	504.7
13.5°	503.7	503.6	503.7	503.7	503.4	503.2
14°	502.5	501.8	502.5	502.2	502.4	502.1
14.5°	501.1	501.6	501.1	501.1	500.9	501.0
15°	499.7	499.7	499.7	499.9	499.4	500.3
15.5°	498.5	498.7	498.5	498.6	498.2	498.2
16°	497.5	497.8	497.5	497.2	497.0	497.2
16.5°	495.6	495.9	495.6	495.7	495.7	495.3
17°	494.1	494.6	494.1	494.9	494.1	494.4
17.5°	493.1	492.8	493.1	492.9	492.5	492.9
18°	491.3	491.9	491.3	491.4	491.3	491.3
18.5°	489.9	489.8	489.9	489.8	489.8	490.2
19°	488.0	488.4	488.0	488.5	488.2	488.1
19.5°	486.7	487.0	486.7	486.6	486.6	486.8
20°	484.7	484.9	484.7	485.0	484.4	484.5
20.5°	483.1	483.5	483.1	482.9	483.3	483.6
21°	481.5	481.3	481.5	481.3	481.6	481.2

TEST NUMBER: P938646

CATALOG NUMBER: SMX8RLSFS2W-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	476.2	476.4	476.2	475.9	476.0	476.2
23°	474.3	473.9	474.3	474.1	474.0	474.2
23.5°	472.4	472.7	472.4	472.3	472.1	472.5
24°	470.1	470.4	470.1	470.6	470.1	469.9
24.5°	468.1	468.6	468.1	468.4	468.0	468.7
25°	466.2	466.4	466.2	466.4	466.2	466.3
25.5°	463.9	464.2	463.9	464.1	463.5	463.9
26°	461.9	461.8	461.9	461.8	461.9	461.9
26.5°	459.7	459.3	459.7	459.5	459.5	459.5
27°	457.3	457.9	457.3	457.5	457.7	457.9
27.5°	455.1	454.8	455.1	455.1	454.8	455.3
28°	453.3	452.9	453.3	453.0	453.0	452.7
28.5°	450.3	450.5	450.3	450.5	450.7	451.2
29°	448.4	448.1	448.4	448.2	448.3	448.4
29.5°	445.5	445.8	445.5	445.7	445.4	445.6
30°	443.4	443.6	443.4	443.7	443.3	443.4
30.5°	441.1	441.1	441.1	440.9	440.6	441.4
31°	438.4	438.4	438.4	438.3	438.5	438.4
31.5°	436.0	436.2	436.0	436.0	435.9	436.2
32°	433.2	433.2	433.2	433.6	433.2	433.8
32.5°	430.7	431.0	430.7	430.8	430.7	430.9
33°	428.2	427.7	428.2	428.1	427.7	428.1
33.5°	425.2	425.1	425.2	425.0	425.4	425.0
34°	422.3	423.0	422.3	422.7	422.8	422.6
34.5°	420.0	420.2	420.0	420.0	419.9	419.7
35°	417.2	417.1	417.2	417.3	417.3	416.8
35.5°	414.2	414.4	414.2	414.6	414.1	414.2
36°	411.3	411.8	411.3	411.5	411.2	411.3
36.5°	408.6	408.3	408.6	408.4	408.6	408.7
37°	405.3	405.5	405.3	405.7	405.1	405.6
37.5°	402.7	402.7	402.7	402.8	402.3	403.0
38°	399.7	399.6	399.7	400.0	399.6	400.1
38.5°	396.9	396.6	396.9	397.0	396.7	396.8
39°	393.7	393.5	393.7	393.6	394.1	393.7
39.5°	390.4	390.9	390.4	390.3	390.6	390.8
40°	387.5	387.5	387.5	387.1	387.4	387.6
40.5°	384.3	384.5	384.3	384.2	384.1	384.6
41°	381.1	381.4	381.1	381.5	380.7	381.3
41.5°	377.8	377.7	377.8	377.9	377.8	378.0
42°	374.6	375.0	374.6	374.5	374.3	375.1
42.5°	371.3	371.4	371.3	371.0	371.3	371.3
43°	367.9	367.8	367.9	368.0	368.0	367.9
43.5°	364.7	364.3	364.7	364.5	364.5	364.6

TEST NUMBER: P938646

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	354.3	354.2	354.3	354.5	354.5	354.9
45.5°	350.9	351.1	350.9	351.1	351.0	351.4
46°	347.4	347.9	347.4	347.4	347.6	347.5
46.5°	343.9	344.3	343.9	343.9	344.1	344.1
47°	340.3	340.6	340.3	340.4	340.5	340.6
47.5°	336.9	336.9	336.9	337.0	336.9	337.0
48°	333.2	333.3	333.2	333.3	333.3	333.4
48.5°	329.7	329.5	329.7	329.7	329.8	329.8
49°	325.9	326.2	325.9	326.0	326.1	326.0
49.5°	322.3	322.4	322.3	322.3	322.4	322.3
50°	318.6	319.0	318.6	318.6	318.8	318.7
50.5°	314.7	315.1	314.7	314.9	314.9	315.1
51°	310.9	311.0	310.9	311.2	311.0	311.2
51.5°	307.3	307.2	307.3	307.3	307.4	307.4
52°	303.6	303.6	303.6	303.5	303.6	303.7
52.5°	300.0	299.7	300.0	299.8	299.6	300.0
53°	295.7	296.0	295.7	295.9	295.9	295.9
53.5°	291.9	291.9	291.9	292.1	292.1	292.2
54°	288.1	288.0	288.1	288.2	287.9	287.9
54.5°	283.8	284.4	283.8	284.2	283.9	284.2
55°	280.0	280.5	280.0	280.1	280.2	280.3
55.5°	275.8	276.0	275.8	276.1	276.2	276.5
56°	271.9	272.1	271.9	272.1	272.1	271.9
56.5°	268.0	268.0	268.0	268.0	268.1	268.1
57°	263.7	263.7	263.7	263.9	263.6	263.4
57.5°	259.4	259.9	259.4	259.7	259.6	259.6
58°	255.5	255.7	255.5	255.6	255.9	255.6
58.5°	251.5	251.2	251.5	251.4	251.7	251.6
59°	247.2	247.4	247.2	247.3	247.3	247.3
59.5°	242.8	243.3	242.8	243.1	243.4	243.4
60°	239.0	238.7	239.0	239.0	238.9	238.9
60.5°	234.8	234.4	234.8	234.7	234.8	234.6
61°	230.3	230.5	230.3	230.5	230.5	230.5
61.5°	226.2	226.3	226.2	226.0	226.3	226.4
62°	221.6	221.6	221.6	221.7	221.9	222.0
62.5°	217.3	217.4	217.3	217.4	217.5	217.5
63°	213.1	213.0	213.1	213.2	213.1	212.8
63.5°	208.6	208.7	208.6	208.6	208.6	208.7
64°	204.3	204.3	204.3	204.2	204.0	204.2
64.5°	199.4	199.9	199.4	199.8	199.8	200.1
65°	195.0	195.4	195.0	195.3	195.4	195.3
65.5°	190.8	190.8	190.8	190.8	190.8	190.6
66°	186.2	186.3	186.2	186.2	186.5	186.2



TEST NUMBER: P938646

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	172.4	172.4	172.4	172.8	172.7	172.6
68°	167.9	168.2	167.9	168.1	168.4	168.4
68.5°	163.7	163.9	163.7	163.6	163.7	163.6
69°	159.2	159.2	159.2	159.1	159.0	159.1
69.5°	154.4	154.5	154.4	154.4	154.4	154.3
70°	149.8	149.7	149.8	149.8	150.0	149.8
70.5°	145.4	145.3	145.4	145.2	145.4	145.4
71°	140.6	140.6	140.6	140.8	140.7	140.9
71.5°	136.1	136.0	136.1	136.1	136.2	136.3
72°	131.4	131.4	131.4	131.4	131.5	131.6
72.5°	126.7	126.9	126.7	126.9	126.9	127.0
73°	122.2	122.0	122.2	122.0	122.0	122.0
73.5°	117.5	117.5	117.5	117.6	117.6	117.7
74°	112.8	112.9	112.8	113.0	113.0	113.0
74.5°	108.2	108.2	108.2	108.3	108.3	108.4
75°	103.7	103.8	103.7	103.6	103.8	103.5
75.5°	99.0	99.0	99.0	99.1	99.1	99.2
76°	94.5	94.6	94.5	94.5	94.6	94.7
76.5°	90.1	90.3	90.1	90.1	90.1	90.2
77°	85.6	85.6	85.6	85.5	85.7	85.8
77.5°	81.2	81.1	81.2	81.2	81.3	81.2
78°	76.8	76.9	76.8	76.7	76.8	76.7
78.5°	72.3	72.5	72.3	72.3	72.4	72.4
79°	67.9	68.0	67.9	67.8	68.1	67.9
79.5°	63.7	63.9	63.7	63.7	63.8	63.9
80°	59.6	59.6	59.6	59.5	59.5	59.5
80.5°	55.5	55.4	55.5	55.5	55.5	55.5
81°	51.4	51.5	51.4	51.4	51.5	51.4
81.5°	47.4	47.5	47.4	47.5	47.5	47.5
82°	43.6	43.6	43.6	43.6	43.7	43.7
82.5°	39.8	39.9	39.8	39.9	39.9	39.9
83°	36.1	36.2	36.1	36.2	36.2	36.2
83.5°	32.5	32.5	32.5	32.5	32.6	32.6
84°	28.9	29.1	28.9	29.1	29.2	29.1
84.5°	25.8	25.8	25.8	25.7	25.9	25.9
85°	22.6	22.7	22.6	22.6	22.6	22.5
85.5°	19.7	19.9	19.7	19.6	19.5	19.5
86°	17.0	17.1	17.0	16.9	16.8	16.8
86.5°	14.4	15.0	14.4	14.2	14.3	14.3
87°	12.1	12.3	12.1	12.0	12.0	11.9
87.5°	10.1	10.3	10.1	9.9	9.8	9.9
88°	8.1	8.3	8.1	8.0	7.9	7.9
88.5°	6.4	6.6	6.4	6.4	6.4	6.4



TEST NUMBER: P938646
CATALOG NUMBER: SMX8RLSFS2W-1500LM-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

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

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21.5°	479.4	479.5	479.9	479.5	479.6	479.5	479.9	479.5	479.4	479.5	479.9
22°	478.2	477.4	478.2	477.7	477.8	477.7	478.2	477.4	478.2	477.4	478.2



44°	361.9	361.3	361.3	361.3	361.3	361.3	361.3	361.3	361.9	361.3	361.3
44.5°	358.5	358.1	357.8	358.1	358.0	358.1	357.8	358.1	358.5	358.1	357.8



66.5°	181.8	181.7	181.6	181.7	181.9	181.7	181.6	181.7	181.8	181.7	181.6
67°	177.3	177.2	177.2	177.2	177.4	177.2	177.2	177.2	177.3	177.2	177.2



89°	5.1	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.1	5.0	5.0
89.5°	3.9	4.0	3.9	4.0	4.1	4.0	3.9	4.0	3.9	4.0	3.9

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21.5°	479.5	479.6	479.5	479.9	479.5	479.4
22°	477.7	477.8	477.7	478.2	477.4	478.2



44°	361.3	361.3	361.3	361.3	361.3	361.9
44.5°	358.1	358.0	358.1	357.8	358.1	358.5



66.5°	181.7	181.9	181.7	181.6	181.7	181.8
67°	177.2	177.4	177.2	177.2	177.2	177.3

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89°	5.0	5.3	5.0	5.0	5.0	5.1
89.5°	4.0	4.1	4.0	3.9	4.0	3.9

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(END OF REPORT)