

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: P938648

Luminaire Tested: SMX8RLSFSD2W-1500LM-3500K

Issue Date: 1/9/2025



**Test Information**

Test Method: LM-79-2019

Report Number: P938648

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: SMX8RLSFS2W-1500LM-3500K

Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION

Light Source: SELECTABLE CCT 90CRI / 3500K CCT

Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A

Luminaire Lumens: 1580.0 lumens

Efficiency: N/A

Efficacy: 101.9 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 (Ain): NR

Voltage Rise (V): NR

Power Factor: NR

Total Harmonic Distortion (THDi): NR

Frequency (hertz): 60

Stabilization Time: NR

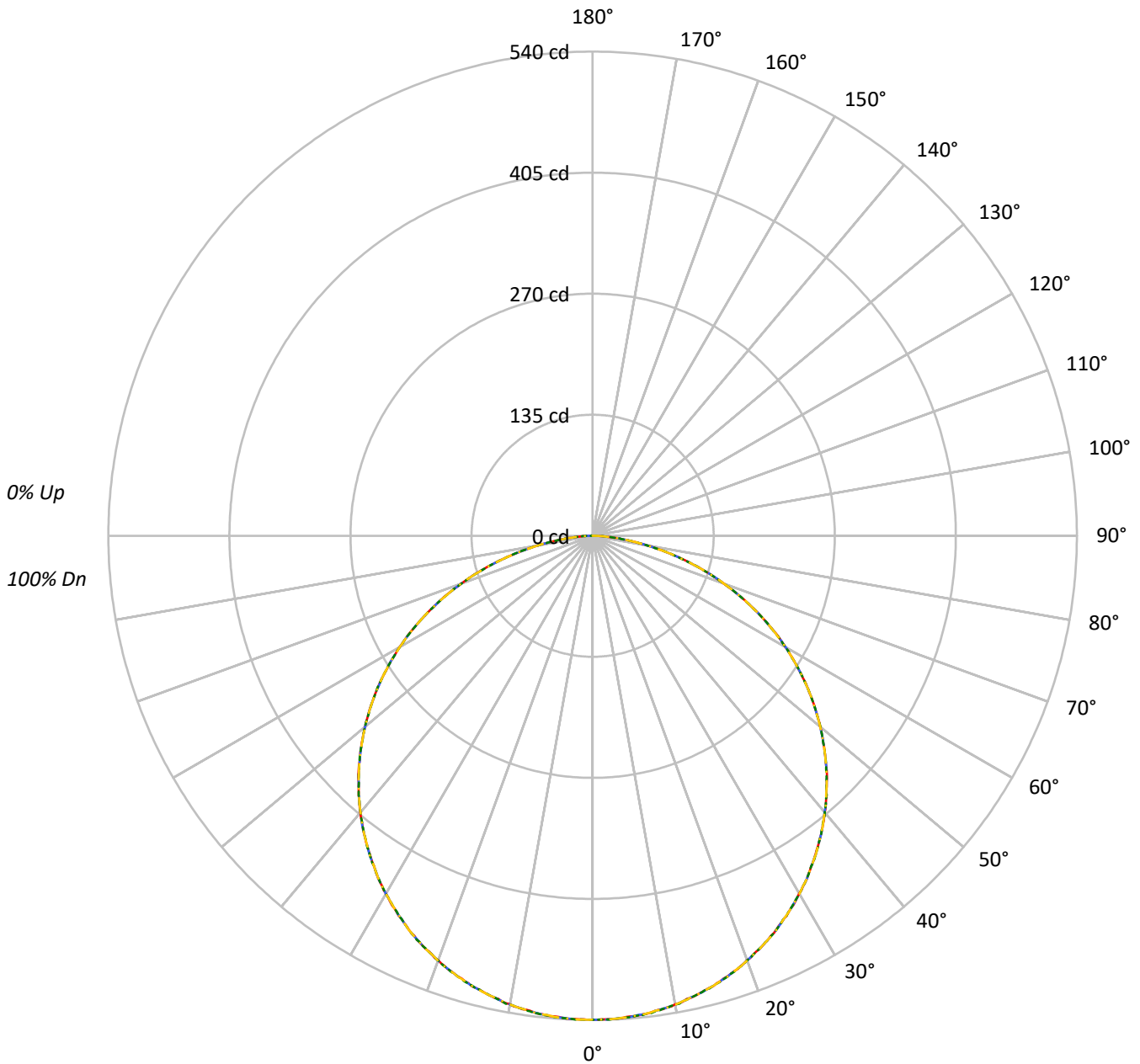
Operation Time: NR

Ambient Temperature (°C): NR

Test Distance: 24 FT

TEST NUMBER: P938648  
CATALOG NUMBER: SMX8RLSFS2W-1500LM-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P938648  
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					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°	13152	13152	13152	13152
5°	13151	13156	13151	13156
10°	13127	13132	13127	13132
15°	13119	13104	13119	13104
20°	13060	13070	13060	13070
25°	13033	13036	13033	13036
30°	12967	12972	12967	12972
35°	12888	12897	12888	12897
40°	12814	12811	12814	12811
45°	12711	12687	12711	12687
50°	12554	12569	12554	12569
55°	12374	12387	12374	12387
60°	12104	12095	12104	12095
65°	11703	11709	11703	11709
70°	11092	11084	11092	11084
75°	10129	10157	10129	10157
80°	8685	8699	8685	8699
85°	6542	6597	6542	6597

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12711 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.1	3.2
10°-20°	146.7	9.3
20°-30°	223.3	14.1
30°-40°	271.2	17.2
40°-50°	284.2	18.0
50°-60°	260.0	16.5
60°-70°	200.6	12.7
70°-80°	114.0	7.2
80°-90°	28.9	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°	421.1	26.7
0°-40°	692.3	43.8
0°-60°	1236.5	78.3
0°-90°	1580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	540	540	540	540	540	
5°	538	538	538	538	538	51
15°	520	520	520	520	520	147
25°	485	485	485	485	485	223
35°	433	434	433	434	433	271
45°	369	368	369	368	369	284
55°	291	292	291	292	291	260
65°	203	203	203	203	203	201
75°	108	108	108	108	108	114
85°	23	24	23	24	23	29
90°	0	0	0	0	0	



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CATALOG NUMBER: SMX8RLSFS2W-1500LM-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8
0.5°	540.0	539.3	539.9	540.4	539.7	540.4	539.9	539.3	540.0	539.3	539.9
1°	539.4	539.4	539.7	539.9	539.7	539.9	539.7	539.4	539.4	539.4	539.7
1.5°	539.5	539.4	539.7	539.7	539.4	539.7	539.7	539.4	539.5	539.4	539.7
2°	539.5	539.4	539.6	539.6	540.1	539.6	539.6	539.4	539.5	539.4	539.6
2.5°	539.5	539.1	539.4	539.3	539.3	539.3	539.4	539.1	539.5	539.1	539.4
3°	539.2	538.9	539.3	538.9	539.2	538.9	539.3	538.9	539.2	538.9	539.3
3.5°	538.9	538.4	538.5	539.0	539.0	539.0	538.5	538.4	538.9	538.4	538.5
4°	538.1	538.3	538.6	538.2	538.6	538.2	538.6	538.3	538.1	538.3	538.6
4.5°	537.8	538.1	538.3	538.2	538.6	538.2	538.3	538.1	537.8	538.1	538.3
5°	537.7	537.5	537.6	537.6	537.9	537.6	537.6	537.5	537.7	537.5	537.6
5.5°	537.3	536.7	536.8	537.3	537.4	537.3	536.8	536.7	537.3	536.7	536.8
6°	536.7	536.2	536.8	536.4	537.5	536.4	536.8	536.2	536.7	536.2	536.8
6.5°	536.4	535.9	536.1	535.9	536.3	535.9	536.1	535.9	536.4	535.9	536.1
7°	535.5	535.2	535.5	535.4	536.3	535.4	535.5	535.2	535.5	535.2	535.5
7.5°	534.4	534.7	534.4	534.9	535.0	534.9	534.4	534.7	534.4	534.7	534.4
8°	533.7	534.1	534.0	533.7	534.7	533.7	534.0	534.1	533.7	534.1	534.0
8.5°	533.9	533.2	533.3	532.7	533.3	532.7	533.3	533.2	533.9	533.2	533.3
9°	532.5	532.6	532.6	532.6	532.9	532.6	532.6	532.6	532.5	532.6	532.6
9.5°	532.1	531.3	531.5	531.5	531.6	531.5	531.5	531.3	532.1	531.3	531.5
10°	530.6	530.8	530.9	531.1	530.8	531.1	530.9	530.8	530.6	530.8	530.9
10.5°	530.1	529.3	530.0	530.0	530.7	530.0	530.0	529.3	530.1	529.3	530.0
11°	529.2	528.4	528.6	529.1	529.1	529.1	528.6	528.4	529.2	528.4	528.6
11.5°	527.2	527.7	527.9	528.0	527.8	528.0	527.9	527.7	527.2	527.7	527.9
12°	526.7	526.9	526.3	526.4	526.6	526.4	526.3	526.9	526.7	526.9	526.3
12.5°	525.8	525.6	525.7	525.8	525.8	525.8	525.7	525.6	525.8	525.6	525.7
13°	524.6	524.8	524.7	524.5	524.4	524.5	524.7	524.8	524.6	524.8	524.7
13.5°	523.1	523.3	523.6	523.6	523.5	523.6	523.6	523.3	523.1	523.3	523.6
14°	521.9	522.3	522.0	522.4	521.6	522.4	522.0	522.3	521.9	522.3	522.0
14.5°	520.8	520.7	520.9	520.9	521.4	520.9	520.9	520.7	520.8	520.7	520.9
15°	520.1	519.2	519.7	519.5	519.5	519.5	519.7	519.2	520.1	519.2	519.7
15.5°	517.8	517.8	518.3	518.1	518.4	518.1	518.3	517.8	517.8	517.8	518.3
16°	516.8	516.6	516.8	517.1	517.4	517.1	516.8	516.6	516.8	516.6	516.8
16.5°	514.8	515.2	515.2	515.1	515.4	515.1	515.2	515.2	514.8	515.2	515.2
17°	513.9	513.6	514.4	513.6	514.1	513.6	514.4	513.6	513.9	513.6	514.4
17.5°	512.3	511.9	512.3	512.5	512.2	512.5	512.3	511.9	512.3	511.9	512.3
18°	510.7	510.7	510.8	510.7	511.3	510.7	510.8	510.7	510.7	510.7	510.8
18.5°	509.6	509.1	509.1	509.2	509.1	509.2	509.1	509.1	509.6	509.1	509.1
19°	507.4	507.5	507.8	507.3	507.7	507.3	507.8	507.5	507.4	507.5	507.8
19.5°	506.0	505.8	505.8	505.9	506.2	505.9	505.8	505.8	506.0	505.8	505.8
20°	503.7	503.6	504.2	503.9	504.1	503.9	504.2	503.6	503.7	503.6	504.2
20.5°	502.7	502.4	502.0	502.2	502.6	502.2	502.0	502.4	502.7	502.4	502.0
21°	500.1	500.6	500.3	500.5	500.3	500.5	500.3	500.6	500.1	500.6	500.3



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CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	495.0	494.8	494.7	495.0	495.2	495.0	494.7	494.8	495.0	494.8	494.7
23°	492.9	492.7	492.8	493.0	492.6	493.0	492.8	492.7	492.9	492.7	492.8
23.5°	491.2	490.7	491.0	491.1	491.4	491.1	491.0	490.7	491.2	490.7	491.0
24°	488.5	488.7	489.2	488.7	489.0	488.7	489.2	488.7	488.5	488.7	489.2
24.5°	487.2	486.5	486.9	486.6	487.1	486.6	486.9	486.5	487.2	486.5	486.9
25°	484.8	484.7	484.9	484.7	484.9	484.7	484.9	484.7	484.8	484.7	484.9
25.5°	482.2	481.8	482.4	482.2	482.5	482.2	482.4	481.8	482.2	481.8	482.4
26°	480.1	480.1	480.0	480.1	480.0	480.1	480.0	480.1	480.1	480.1	480.0
26.5°	477.6	477.6	477.6	477.8	477.4	477.8	477.6	477.6	477.6	477.6	477.6
27°	476.0	475.8	475.6	475.4	476.0	475.4	475.6	475.8	476.0	475.8	475.6
27.5°	473.3	472.8	473.1	473.1	472.8	473.1	473.1	472.8	473.3	472.8	473.1
28°	470.6	470.9	470.9	471.2	470.8	471.2	470.9	470.9	470.6	470.9	470.9
28.5°	469.0	468.5	468.3	468.1	468.3	468.1	468.3	468.5	469.0	468.5	468.3
29°	466.1	466.0	465.9	466.1	465.7	466.1	465.9	466.0	466.1	466.0	465.9
29.5°	463.2	463.0	463.3	463.1	463.4	463.1	463.3	463.0	463.2	463.0	463.3
30°	460.9	460.8	461.2	460.9	461.1	460.9	461.2	460.8	460.9	460.8	461.2
30.5°	458.8	458.0	458.3	458.5	458.5	458.5	458.3	458.0	458.8	458.0	458.3
31°	455.7	455.8	455.6	455.7	455.7	455.7	455.6	455.8	455.7	455.8	455.6
31.5°	453.4	453.1	453.2	453.2	453.5	453.2	453.2	453.1	453.4	453.1	453.2
32°	451.0	450.4	450.8	450.4	450.4	450.4	450.8	450.4	451.0	450.4	450.8
32.5°	447.9	447.7	447.8	447.7	448.0	447.7	447.8	447.7	447.9	447.7	447.8
33°	445.0	444.6	445.0	445.1	444.6	445.1	445.0	444.6	445.0	444.6	445.0
33.5°	441.8	442.2	441.8	442.0	441.9	442.0	441.8	442.2	441.8	442.2	441.8
34°	439.3	439.5	439.4	439.0	439.7	439.0	439.4	439.5	439.3	439.5	439.4
34.5°	436.3	436.5	436.6	436.6	436.8	436.6	436.6	436.5	436.3	436.5	436.6
35°	433.3	433.8	433.8	433.7	433.6	433.7	433.8	433.8	433.3	433.8	433.8
35.5°	430.5	430.4	430.9	430.5	430.7	430.5	430.9	430.4	430.5	430.4	430.9
36°	427.5	427.4	427.7	427.5	428.0	427.5	427.7	427.4	427.5	427.4	427.7
36.5°	424.8	424.7	424.5	424.7	424.4	424.7	424.5	424.7	424.8	424.7	424.5
37°	421.6	421.1	421.7	421.3	421.5	421.3	421.7	421.1	421.6	421.1	421.7
37.5°	418.9	418.2	418.7	418.6	418.6	418.6	418.7	418.2	418.9	418.2	418.7
38°	415.8	415.3	415.7	415.4	415.3	415.4	415.7	415.3	415.8	415.3	415.7
38.5°	412.4	412.3	412.6	412.5	412.2	412.5	412.6	412.3	412.4	412.3	412.6
39°	409.2	409.6	409.1	409.2	409.0	409.2	409.1	409.6	409.2	409.6	409.1
39.5°	406.2	406.0	405.7	405.8	406.3	405.8	405.7	406.0	406.2	406.0	405.7
40°	402.9	402.7	402.4	402.8	402.8	402.8	402.4	402.7	402.9	402.7	402.4
40.5°	399.8	399.3	399.4	399.5	399.7	399.5	399.4	399.3	399.8	399.3	399.4
41°	396.3	395.7	396.5	396.1	396.4	396.1	396.5	395.7	396.3	395.7	396.5
41.5°	392.9	392.7	392.8	392.7	392.6	392.7	392.8	392.7	392.9	392.7	392.8
42°	389.9	389.1	389.3	389.4	389.8	389.4	389.3	389.1	389.9	389.1	389.3
42.5°	386.0	386.0	385.7	386.0	386.1	386.0	385.7	386.0	386.0	386.0	385.7
43°	382.5	382.6	382.6	382.5	382.4	382.5	382.6	382.6	382.5	382.6	382.6
43.5°	379.0	378.9	378.9	379.1	378.7	379.1	378.9	378.9	379.0	378.9	378.9



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CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	368.9	368.5	368.5	368.3	368.2	368.3	368.5	368.5	368.9	368.5	368.5
45.5°	365.2	364.8	364.9	364.7	364.9	364.7	364.9	364.8	365.2	364.8	364.9
46°	361.2	361.3	361.1	361.1	361.6	361.1	361.1	361.3	361.2	361.3	361.1
46.5°	357.7	357.7	357.5	357.5	357.9	357.5	357.5	357.7	357.7	357.7	357.5
47°	354.1	354.0	353.9	353.8	354.1	353.8	353.9	354.0	354.1	354.0	353.9
47.5°	350.3	350.2	350.3	350.2	350.2	350.2	350.3	350.2	350.3	350.2	350.3
48°	346.5	346.4	346.4	346.3	346.4	346.3	346.4	346.4	346.5	346.4	346.4
48.5°	342.8	342.8	342.7	342.7	342.5	342.7	342.7	342.8	342.8	342.8	342.7
49°	338.9	339.0	338.9	338.8	339.1	338.8	338.9	339.0	338.9	339.0	338.9
49.5°	335.1	335.2	335.0	335.0	335.2	335.0	335.0	335.2	335.1	335.2	335.0
50°	331.2	331.4	331.1	331.1	331.6	331.1	331.1	331.4	331.2	331.4	331.1
50.5°	327.5	327.3	327.3	327.1	327.5	327.1	327.3	327.3	327.5	327.3	327.3
51°	323.5	323.3	323.5	323.2	323.3	323.2	323.5	323.3	323.5	323.3	323.5
51.5°	319.6	319.6	319.4	319.4	319.3	319.4	319.4	319.6	319.6	319.6	319.4
52°	315.7	315.6	315.5	315.6	315.6	315.6	315.5	315.6	315.7	315.6	315.5
52.5°	311.8	311.4	311.6	311.8	311.5	311.8	311.6	311.4	311.8	311.4	311.6
53°	307.6	307.6	307.6	307.4	307.7	307.4	307.6	307.6	307.6	307.6	307.6
53.5°	303.7	303.6	303.6	303.4	303.4	303.4	303.6	303.6	303.7	303.6	303.6
54°	299.3	299.3	299.6	299.5	299.4	299.5	299.6	299.3	299.3	299.3	299.6
54.5°	295.4	295.1	295.4	295.0	295.6	295.0	295.4	295.1	295.4	295.1	295.4
55°	291.3	291.2	291.1	291.0	291.6	291.0	291.1	291.2	291.3	291.2	291.1
55.5°	287.4	287.1	287.0	286.7	286.9	286.7	287.0	287.1	287.4	287.1	287.0
56°	282.7	282.9	282.9	282.7	282.9	282.7	282.9	282.9	282.7	282.9	282.9
56.5°	278.6	278.6	278.5	278.5	278.5	278.5	278.5	278.6	278.6	278.6	278.5
57°	273.8	274.0	274.3	274.1	274.1	274.1	274.3	274.0	273.8	274.0	274.3
57.5°	269.9	269.9	270.0	269.7	270.2	269.7	270.0	269.9	269.9	269.9	270.0
58°	265.7	266.0	265.7	265.6	265.8	265.6	265.7	266.0	265.7	266.0	265.7
58.5°	261.5	261.6	261.3	261.4	261.1	261.4	261.3	261.6	261.5	261.6	261.3
59°	257.1	257.1	257.1	256.9	257.2	256.9	257.1	257.1	257.1	257.1	257.1
59.5°	253.0	253.0	252.7	252.4	252.9	252.4	252.7	253.0	253.0	253.0	252.7
60°	248.4	248.4	248.5	248.5	248.2	248.5	248.5	248.4	248.4	248.4	248.5
60.5°	243.8	244.0	243.9	244.0	243.6	244.0	243.9	244.0	243.8	244.0	243.9
61°	239.6	239.6	239.6	239.4	239.6	239.4	239.6	239.6	239.6	239.6	239.6
61.5°	235.3	235.2	234.9	235.1	235.2	235.1	234.9	235.2	235.3	235.2	234.9
62°	230.8	230.7	230.5	230.4	230.4	230.4	230.5	230.7	230.8	230.7	230.5
62.5°	226.1	226.1	225.9	225.8	225.9	225.8	225.9	226.1	226.1	226.1	225.9
63°	221.2	221.5	221.6	221.5	221.4	221.5	221.6	221.5	221.2	221.5	221.6
63.5°	217.0	216.9	216.9	216.9	217.0	216.9	216.9	216.9	217.0	216.9	216.9
64°	212.2	212.0	212.2	212.3	212.3	212.3	212.2	212.0	212.2	212.0	212.2
64.5°	208.0	207.7	207.7	207.3	207.8	207.3	207.7	207.7	208.0	207.7	207.7
65°	203.0	203.1	203.0	202.7	203.1	202.7	203.0	203.1	203.0	203.1	203.0
65.5°	198.2	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.2	198.4	198.4
66°	193.5	193.8	193.5	193.5	193.6	193.5	193.5	193.8	193.5	193.8	193.5





TEST NUMBER: P938648

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	179.5	179.6	179.7	179.3	179.3	179.3	179.7	179.6	179.5	179.6	179.7
68°	175.0	175.0	174.7	174.5	174.8	174.5	174.7	175.0	175.0	175.0	174.7
68.5°	170.1	170.2	170.1	170.2	170.4	170.2	170.1	170.2	170.1	170.2	170.1
69°	165.4	165.3	165.4	165.5	165.5	165.5	165.4	165.3	165.4	165.3	165.4
69.5°	160.3	160.4	160.5	160.5	160.6	160.5	160.5	160.4	160.3	160.4	160.5
70°	155.7	155.9	155.7	155.7	155.6	155.7	155.7	155.9	155.7	155.9	155.7
70.5°	151.2	151.1	150.9	151.1	151.0	151.1	150.9	151.1	151.2	151.1	150.9
71°	146.5	146.3	146.4	146.2	146.2	146.2	146.4	146.3	146.5	146.3	146.4
71.5°	141.6	141.5	141.4	141.4	141.3	141.4	141.4	141.5	141.6	141.5	141.4
72°	136.8	136.7	136.6	136.6	136.6	136.6	136.6	136.7	136.8	136.7	136.6
72.5°	132.0	131.9	131.9	131.7	131.9	131.7	131.9	131.9	132.0	131.9	131.9
73°	126.8	126.8	126.8	127.0	126.8	127.0	126.8	126.8	126.8	126.8	126.8
73.5°	122.3	122.2	122.2	122.1	122.1	122.1	122.2	122.2	122.3	122.2	122.2
74°	117.5	117.5	117.5	117.3	117.4	117.3	117.5	117.5	117.5	117.5	117.5
74.5°	112.7	112.6	112.6	112.5	112.5	112.5	112.6	112.6	112.7	112.6	112.6
75°	107.6	107.9	107.7	107.8	107.9	107.8	107.7	107.9	107.6	107.9	107.7
75.5°	103.1	103.0	103.0	102.9	102.9	102.9	103.0	103.0	103.1	103.0	103.0
76°	98.5	98.4	98.3	98.3	98.4	98.3	98.3	98.4	98.5	98.4	98.3
76.5°	93.8	93.7	93.7	93.7	93.9	93.7	93.7	93.7	93.8	93.7	93.7
77°	89.2	89.1	88.9	89.0	89.0	89.0	88.9	89.1	89.2	89.1	88.9
77.5°	84.4	84.5	84.4	84.4	84.3	84.4	84.4	84.5	84.4	84.5	84.4
78°	79.8	79.9	79.8	79.9	80.0	79.9	79.8	79.9	79.8	79.9	79.8
78.5°	75.2	75.2	75.1	75.1	75.3	75.1	75.1	75.2	75.2	75.2	75.1
79°	70.6	70.8	70.5	70.6	70.7	70.6	70.5	70.8	70.6	70.8	70.5
79.5°	66.4	66.3	66.2	66.2	66.4	66.2	66.2	66.3	66.4	66.3	66.2
80°	61.9	61.9	61.9	62.0	62.0	62.0	61.9	61.9	61.9	61.9	61.9
80.5°	57.6	57.6	57.6	57.6	57.5	57.6	57.6	57.6	57.6	57.6	57.6
81°	53.4	53.5	53.4	53.4	53.5	53.4	53.4	53.5	53.4	53.5	53.4
81.5°	49.4	49.4	49.4	49.3	49.4	49.3	49.4	49.4	49.4	49.4	49.4
82°	45.5	45.5	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.4
82.5°	41.4	41.4	41.4	41.3	41.4	41.3	41.4	41.4	41.4	41.4	41.4
83°	37.6	37.6	37.6	37.5	37.6	37.5	37.6	37.6	37.6	37.6	37.6
83.5°	33.9	33.9	33.8	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.8
84°	30.3	30.4	30.3	30.1	30.3	30.1	30.3	30.4	30.3	30.4	30.3
84.5°	27.0	27.0	26.8	26.9	26.9	26.9	26.8	27.0	27.0	27.0	26.8
85°	23.4	23.5	23.5	23.5	23.6	23.5	23.5	23.5	23.4	23.5	23.5
85.5°	20.3	20.3	20.4	20.5	20.7	20.5	20.4	20.3	20.3	20.3	20.4
86°	17.5	17.5	17.6	17.7	17.8	17.7	17.6	17.5	17.5	17.5	17.6
86.5°	14.9	14.9	14.8	15.0	15.6	15.0	14.8	14.9	14.9	14.9	14.8
87°	12.4	12.5	12.5	12.6	12.8	12.6	12.5	12.5	12.4	12.5	12.5
87.5°	10.3	10.2	10.3	10.5	10.7	10.5	10.3	10.2	10.3	10.2	10.3
88°	8.2	8.2	8.3	8.4	8.7	8.4	8.3	8.2	8.2	8.2	8.3
88.5°	6.6	6.6	6.6	6.6	6.8	6.6	6.6	6.6	6.6	6.6	6.6



TEST NUMBER: P938648  
CATALOG NUMBER: SMX8RLSFS2W-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P938648

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	539.8	539.8	539.8	539.8	539.8	539.8
0.5°	540.4	539.7	540.4	539.9	539.3	540.0
1°	539.9	539.7	539.9	539.7	539.4	539.4
1.5°	539.7	539.4	539.7	539.7	539.4	539.5
2°	539.6	540.1	539.6	539.6	539.4	539.5
2.5°	539.3	539.3	539.3	539.4	539.1	539.5
3°	538.9	539.2	538.9	539.3	538.9	539.2
3.5°	539.0	539.0	539.0	538.5	538.4	538.9
4°	538.2	538.6	538.2	538.6	538.3	538.1
4.5°	538.2	538.6	538.2	538.3	538.1	537.8
5°	537.6	537.9	537.6	537.6	537.5	537.7
5.5°	537.3	537.4	537.3	536.8	536.7	537.3
6°	536.4	537.5	536.4	536.8	536.2	536.7
6.5°	535.9	536.3	535.9	536.1	535.9	536.4
7°	535.4	536.3	535.4	535.5	535.2	535.5
7.5°	534.9	535.0	534.9	534.4	534.7	534.4
8°	533.7	534.7	533.7	534.0	534.1	533.7
8.5°	532.7	533.3	532.7	533.3	533.2	533.9
9°	532.6	532.9	532.6	532.6	532.6	532.5
9.5°	531.5	531.6	531.5	531.5	531.3	532.1
10°	531.1	530.8	531.1	530.9	530.8	530.6
10.5°	530.0	530.7	530.0	530.0	529.3	530.1
11°	529.1	529.1	529.1	528.6	528.4	529.2
11.5°	528.0	527.8	528.0	527.9	527.7	527.2
12°	526.4	526.6	526.4	526.3	526.9	526.7
12.5°	525.8	525.8	525.8	525.7	525.6	525.8
13°	524.5	524.4	524.5	524.7	524.8	524.6
13.5°	523.6	523.5	523.6	523.6	523.3	523.1
14°	522.4	521.6	522.4	522.0	522.3	521.9
14.5°	520.9	521.4	520.9	520.9	520.7	520.8
15°	519.5	519.5	519.5	519.7	519.2	520.1
15.5°	518.1	518.4	518.1	518.3	517.8	517.8
16°	517.1	517.4	517.1	516.8	516.6	516.8
16.5°	515.1	515.4	515.1	515.2	515.2	514.8
17°	513.6	514.1	513.6	514.4	513.6	513.9
17.5°	512.5	512.2	512.5	512.3	511.9	512.3
18°	510.7	511.3	510.7	510.8	510.7	510.7
18.5°	509.2	509.1	509.2	509.1	509.1	509.6
19°	507.3	507.7	507.3	507.8	507.5	507.4
19.5°	505.9	506.2	505.9	505.8	505.8	506.0
20°	503.9	504.1	503.9	504.2	503.6	503.7
20.5°	502.2	502.6	502.2	502.0	502.4	502.7
21°	500.5	500.3	500.5	500.3	500.6	500.1

TEST NUMBER: P938648

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	495.0	495.2	495.0	494.7	494.8	495.0
23°	493.0	492.6	493.0	492.8	492.7	492.9
23.5°	491.1	491.4	491.1	491.0	490.7	491.2
24°	488.7	489.0	488.7	489.2	488.7	488.5
24.5°	486.6	487.1	486.6	486.9	486.5	487.2
25°	484.7	484.9	484.7	484.9	484.7	484.8
25.5°	482.2	482.5	482.2	482.4	481.8	482.2
26°	480.1	480.0	480.1	480.0	480.1	480.1
26.5°	477.8	477.4	477.8	477.6	477.6	477.6
27°	475.4	476.0	475.4	475.6	475.8	476.0
27.5°	473.1	472.8	473.1	473.1	472.8	473.3
28°	471.2	470.8	471.2	470.9	470.9	470.6
28.5°	468.1	468.3	468.1	468.3	468.5	469.0
29°	466.1	465.7	466.1	465.9	466.0	466.1
29.5°	463.1	463.4	463.1	463.3	463.0	463.2
30°	460.9	461.1	460.9	461.2	460.8	460.9
30.5°	458.5	458.5	458.5	458.3	458.0	458.8
31°	455.7	455.7	455.7	455.6	455.8	455.7
31.5°	453.2	453.5	453.2	453.2	453.1	453.4
32°	450.4	450.4	450.4	450.8	450.4	451.0
32.5°	447.7	448.0	447.7	447.8	447.7	447.9
33°	445.1	444.6	445.1	445.0	444.6	445.0
33.5°	442.0	441.9	442.0	441.8	442.2	441.8
34°	439.0	439.7	439.0	439.4	439.5	439.3
34.5°	436.6	436.8	436.6	436.6	436.5	436.3
35°	433.7	433.6	433.7	433.8	433.8	433.3
35.5°	430.5	430.7	430.5	430.9	430.4	430.5
36°	427.5	428.0	427.5	427.7	427.4	427.5
36.5°	424.7	424.4	424.7	424.5	424.7	424.8
37°	421.3	421.5	421.3	421.7	421.1	421.6
37.5°	418.6	418.6	418.6	418.7	418.2	418.9
38°	415.4	415.3	415.4	415.7	415.3	415.8
38.5°	412.5	412.2	412.5	412.6	412.3	412.4
39°	409.2	409.0	409.2	409.1	409.6	409.2
39.5°	405.8	406.3	405.8	405.7	406.0	406.2
40°	402.8	402.8	402.8	402.4	402.7	402.9
40.5°	399.5	399.7	399.5	399.4	399.3	399.8
41°	396.1	396.4	396.1	396.5	395.7	396.3
41.5°	392.7	392.6	392.7	392.8	392.7	392.9
42°	389.4	389.8	389.4	389.3	389.1	389.9
42.5°	386.0	386.1	386.0	385.7	386.0	386.0
43°	382.5	382.4	382.5	382.6	382.6	382.5
43.5°	379.1	378.7	379.1	378.9	378.9	379.0

TEST NUMBER: P938648

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	368.3	368.2	368.3	368.5	368.5	368.9
45.5°	364.7	364.9	364.7	364.9	364.8	365.2
46°	361.1	361.6	361.1	361.1	361.3	361.2
46.5°	357.5	357.9	357.5	357.5	357.7	357.7
47°	353.8	354.1	353.8	353.9	354.0	354.1
47.5°	350.2	350.2	350.2	350.3	350.2	350.3
48°	346.3	346.4	346.3	346.4	346.4	346.5
48.5°	342.7	342.5	342.7	342.7	342.8	342.8
49°	338.8	339.1	338.8	338.9	339.0	338.9
49.5°	335.0	335.2	335.0	335.0	335.2	335.1
50°	331.1	331.6	331.1	331.1	331.4	331.2
50.5°	327.1	327.5	327.1	327.3	327.3	327.5
51°	323.2	323.3	323.2	323.5	323.3	323.5
51.5°	319.4	319.3	319.4	319.4	319.6	319.6
52°	315.6	315.6	315.6	315.5	315.6	315.7
52.5°	311.8	311.5	311.8	311.6	311.4	311.8
53°	307.4	307.7	307.4	307.6	307.6	307.6
53.5°	303.4	303.4	303.4	303.6	303.6	303.7
54°	299.5	299.4	299.5	299.6	299.3	299.3
54.5°	295.0	295.6	295.0	295.4	295.1	295.4
55°	291.0	291.6	291.0	291.1	291.2	291.3
55.5°	286.7	286.9	286.7	287.0	287.1	287.4
56°	282.7	282.9	282.7	282.9	282.9	282.7
56.5°	278.5	278.5	278.5	278.5	278.6	278.6
57°	274.1	274.1	274.1	274.3	274.0	273.8
57.5°	269.7	270.2	269.7	270.0	269.9	269.9
58°	265.6	265.8	265.6	265.7	266.0	265.7
58.5°	261.4	261.1	261.4	261.3	261.6	261.5
59°	256.9	257.2	256.9	257.1	257.1	257.1
59.5°	252.4	252.9	252.4	252.7	253.0	253.0
60°	248.5	248.2	248.5	248.5	248.4	248.4
60.5°	244.0	243.6	244.0	243.9	244.0	243.8
61°	239.4	239.6	239.4	239.6	239.6	239.6
61.5°	235.1	235.2	235.1	234.9	235.2	235.3
62°	230.4	230.4	230.4	230.5	230.7	230.8
62.5°	225.8	225.9	225.8	225.9	226.1	226.1
63°	221.5	221.4	221.5	221.6	221.5	221.2
63.5°	216.9	217.0	216.9	216.9	216.9	217.0
64°	212.3	212.3	212.3	212.2	212.0	212.2
64.5°	207.3	207.8	207.3	207.7	207.7	208.0
65°	202.7	203.1	202.7	203.0	203.1	203.0
65.5°	198.4	198.4	198.4	198.4	198.4	198.2
66°	193.5	193.6	193.5	193.5	193.8	193.5



TEST NUMBER: P938648  
 CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	179.3	179.3	179.3	179.7	179.6	179.5
68°	174.5	174.8	174.5	174.7	175.0	175.0
68.5°	170.2	170.4	170.2	170.1	170.2	170.1
69°	165.5	165.5	165.5	165.4	165.3	165.4
69.5°	160.5	160.6	160.5	160.5	160.4	160.3
70°	155.7	155.6	155.7	155.7	155.9	155.7
70.5°	151.1	151.0	151.1	150.9	151.1	151.2
71°	146.2	146.2	146.2	146.4	146.3	146.5
71.5°	141.4	141.3	141.4	141.4	141.5	141.6
72°	136.6	136.6	136.6	136.6	136.7	136.8
72.5°	131.7	131.9	131.7	131.9	131.9	132.0
73°	127.0	126.8	127.0	126.8	126.8	126.8
73.5°	122.1	122.1	122.1	122.2	122.2	122.3
74°	117.3	117.4	117.3	117.5	117.5	117.5
74.5°	112.5	112.5	112.5	112.6	112.6	112.7
75°	107.8	107.9	107.8	107.7	107.9	107.6
75.5°	102.9	102.9	102.9	103.0	103.0	103.1
76°	98.3	98.4	98.3	98.3	98.4	98.5
76.5°	93.7	93.9	93.7	93.7	93.7	93.8
77°	89.0	89.0	89.0	88.9	89.1	89.2
77.5°	84.4	84.3	84.4	84.4	84.5	84.4
78°	79.9	80.0	79.9	79.8	79.9	79.8
78.5°	75.1	75.3	75.1	75.1	75.2	75.2
79°	70.6	70.7	70.6	70.5	70.8	70.6
79.5°	66.2	66.4	66.2	66.2	66.3	66.4
80°	62.0	62.0	62.0	61.9	61.9	61.9
80.5°	57.6	57.5	57.6	57.6	57.6	57.6
81°	53.4	53.5	53.4	53.4	53.5	53.4
81.5°	49.3	49.4	49.3	49.4	49.4	49.4
82°	45.4	45.4	45.4	45.4	45.5	45.5
82.5°	41.3	41.4	41.3	41.4	41.4	41.4
83°	37.5	37.6	37.5	37.6	37.6	37.6
83.5°	33.8	33.8	33.8	33.8	33.9	33.9
84°	30.1	30.3	30.1	30.3	30.4	30.3
84.5°	26.9	26.9	26.9	26.8	27.0	27.0
85°	23.5	23.6	23.5	23.5	23.5	23.4
85.5°	20.5	20.7	20.5	20.4	20.3	20.3
86°	17.7	17.8	17.7	17.6	17.5	17.5
86.5°	15.0	15.6	15.0	14.8	14.9	14.9
87°	12.6	12.8	12.6	12.5	12.5	12.4
87.5°	10.5	10.7	10.5	10.3	10.2	10.3
88°	8.4	8.7	8.4	8.3	8.2	8.2
88.5°	6.6	6.8	6.6	6.6	6.6	6.6



TEST NUMBER: P938648  
CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3500K

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

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21.5°	498.3	498.4	498.8	498.4	498.5	498.4	498.8	498.4	498.3	498.4	498.8
22°	497.0	496.2	497.1	496.5	496.6	496.5	497.1	496.2	497.0	496.2	497.1



44°	376.2	375.5	375.5	375.6	375.6	375.5	375.5	376.2	375.5	375.5	
44.5°	372.7	372.2	371.9	372.2	372.1	372.2	371.9	372.2	372.7	372.2	371.9



66.5°	189.0	188.9	188.8	188.9	189.1	188.9	188.8	188.9	189.0	188.9	188.8
67°	184.3	184.2	184.2	184.2	184.4	184.2	184.2	184.2	184.3	184.2	184.2



89°	5.3	5.2	5.2	5.2	5.5	5.2	5.2	5.2	5.3	5.2	5.2
89.5°	4.0	4.1	4.0	4.1	4.2	4.1	4.0	4.1	4.0	4.1	4.0



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21.5°	498.4	498.5	498.4	498.8	498.4	498.3
22°	496.5	496.6	496.5	497.1	496.2	497.0



44°	375.6	375.6	375.6	375.5	375.5	376.2
44.5°	372.2	372.1	372.2	371.9	372.2	372.7



66.5°	188.9	189.1	188.9	188.8	188.9	189.0
67°	184.2	184.4	184.2	184.2	184.2	184.3



89°	5.2	5.5	5.2	5.2	5.2	5.3
89.5°	4.1	4.2	4.1	4.0	4.1	4.0

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Scaled Data Report



(END OF REPORT)