

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: P938645

Luminaire Tested: SMX8RLSFSD2W-1200LM-5000K

Issue Date: 1/9/2025



**Test Information**

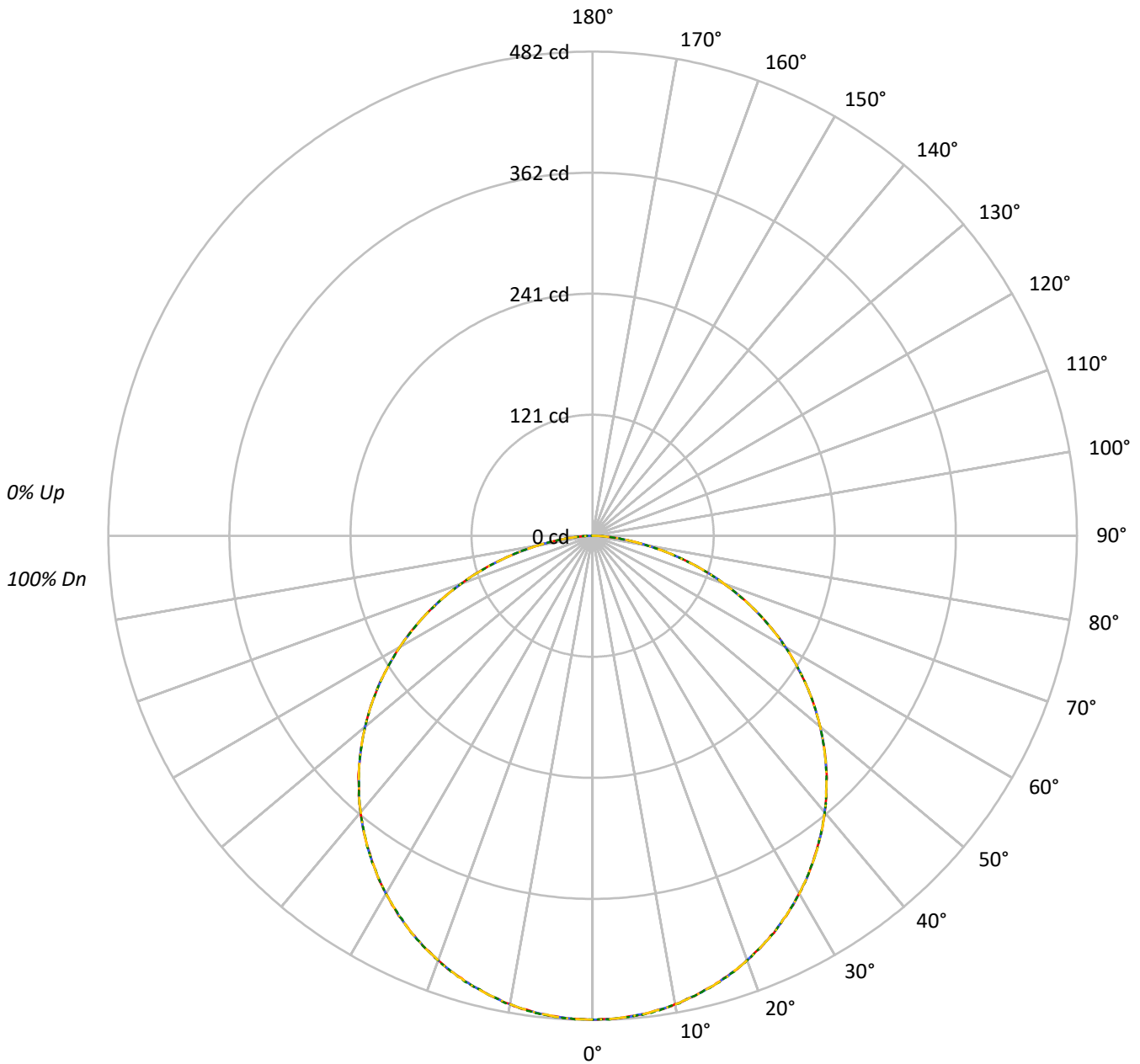
Test Method: LM-79-2019  
Report Number: P938645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2405950-01A001)  
Test Lab:  
Issue Date: 1/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SMX8RLSFSD2W-1200LM-5000K  
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1409.7 lumens  
Efficiency: N/A  
Efficacy: 106.0 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): 13.3  
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: P938645  
CATALOG NUMBER: SMX8RLSFS2W-1200LM-5000K

### 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°	11734	11734	11734	11734
5°	11732	11737	11732	11737
10°	11712	11717	11712	11717
15°	11704	11691	11704	11691
20°	11652	11660	11652	11660
25°	11627	11630	11627	11630
30°	11569	11574	11569	11574
35°	11496	11505	11496	11505
40°	11431	11431	11431	11431
45°	11340	11319	11340	11319
50°	11201	11212	11201	11212
55°	11040	11053	11040	11053
60°	10798	10789	10798	10789
65°	10441	10446	10441	10446
70°	9895	9888	9895	9888
75°	9037	9065	9037	9065
80°	7745	7759	7745	7759
85°	5843	5899	5843	5899

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11340 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.6	3.2
10°-20°	130.9	9.3
20°-30°	199.3	14.1
30°-40°	242.0	17.2
40°-50°	253.5	18.0
50°-60°	232.0	16.5
60°-70°	178.9	12.7
70°-80°	101.8	7.2
80°-90°	25.8	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°	375.7	26.7
0°-40°	617.7	43.8
0°-60°	1103.2	78.3
0°-90°	1409.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	482	482	482	482	482	
5°	480	480	480	480	480	46
15°	464	464	464	464	464	131
25°	432	433	432	433	432	199
35°	386	387	386	387	386	242
45°	329	328	329	328	329	254
55°	260	260	260	260	260	232
65°	181	181	181	181	181	179
75°	96	96	96	96	96	102
85°	21	21	21	21	21	26
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°	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6
0.5°	481.8	481.1	481.7	482.1	481.5	482.1	481.7	481.1	481.8	481.1	481.7
1°	481.2	481.2	481.5	481.7	481.5	481.7	481.5	481.2	481.2	481.2	481.5
1.5°	481.3	481.2	481.5	481.5	481.2	481.5	481.5	481.2	481.3	481.2	481.5
2°	481.3	481.2	481.4	481.4	481.9	481.4	481.4	481.2	481.3	481.2	481.4
2.5°	481.3	481.0	481.2	481.1	481.1	481.1	481.2	481.0	481.3	481.0	481.2
3°	481.1	480.8	481.1	480.8	481.1	480.8	481.1	480.8	481.1	480.8	481.1
3.5°	480.8	480.3	480.4	480.9	480.9	480.9	480.4	480.3	480.8	480.3	480.4
4°	480.1	480.2	480.5	480.2	480.5	480.2	480.5	480.2	480.1	480.2	480.5
4.5°	479.8	480.1	480.2	480.2	480.5	480.2	480.2	480.1	479.8	480.1	480.2
5°	479.7	479.5	479.6	479.6	479.9	479.6	479.6	479.5	479.7	479.5	479.6
5.5°	479.3	478.8	478.9	479.3	479.4	479.3	478.9	478.8	479.3	478.8	478.9
6°	478.8	478.4	478.9	478.5	479.5	478.5	478.9	478.4	478.8	478.4	478.9
6.5°	478.5	478.1	478.3	478.1	478.5	478.1	478.3	478.1	478.5	478.1	478.3
7°	477.7	477.5	477.7	477.6	478.5	477.6	477.7	477.5	477.7	477.5	477.7
7.5°	476.8	477.1	476.8	477.3	477.4	477.3	476.8	477.1	476.8	477.1	476.8
8°	476.2	476.6	476.5	476.2	477.1	476.2	476.5	476.6	476.2	476.6	476.5
8.5°	476.4	475.8	475.8	475.3	475.8	475.3	475.8	475.8	476.4	475.8	475.8
9°	475.1	475.2	475.2	475.2	475.5	475.2	475.2	475.2	475.1	475.2	475.2
9.5°	474.8	474.1	474.2	474.2	474.3	474.2	474.2	474.1	474.8	474.1	474.2
10°	473.4	473.6	473.7	473.9	473.6	473.9	473.7	473.6	473.4	473.6	473.7
10.5°	473.0	472.3	472.9	472.9	473.5	472.9	472.9	472.3	473.0	472.3	472.9
11°	472.2	471.5	471.6	472.1	472.1	472.1	471.6	471.5	472.2	471.5	471.6
11.5°	470.4	470.8	471.0	471.1	470.9	471.1	471.0	470.8	470.4	470.8	471.0
12°	469.9	470.1	469.6	469.7	469.8	469.7	469.6	470.1	469.9	470.1	469.6
12.5°	469.1	468.9	469.0	469.1	469.1	469.1	469.0	468.9	469.1	468.9	469.0
13°	468.0	468.2	468.1	468.0	467.9	468.0	468.1	468.2	468.0	468.2	468.1
13.5°	466.7	466.9	467.1	467.1	467.1	467.1	467.1	466.9	466.7	466.9	467.1
14°	465.6	466.0	465.7	466.1	465.3	466.1	465.7	466.0	465.6	466.0	465.7
14.5°	464.6	464.5	464.7	464.7	465.2	464.7	464.7	464.5	464.6	464.5	464.7
15°	464.0	463.2	463.6	463.5	463.5	463.5	463.6	463.2	464.0	463.2	463.6
15.5°	462.0	462.0	462.4	462.3	462.5	462.3	462.4	462.0	462.0	462.0	462.4
16°	461.1	461.0	461.1	461.4	461.7	461.4	461.1	461.0	461.1	461.0	461.1
16.5°	459.3	459.7	459.7	459.6	459.9	459.6	459.7	459.7	459.3	459.7	459.7
17°	458.5	458.3	459.0	458.3	458.7	458.3	459.0	458.3	458.5	458.3	459.0
17.5°	457.1	456.7	457.1	457.3	457.0	457.3	457.1	456.7	457.1	456.7	457.1
18°	455.7	455.7	455.7	455.7	456.2	455.7	455.7	455.7	455.7	455.7	455.7
18.5°	454.7	454.2	454.2	454.3	454.2	454.3	454.2	454.2	454.7	454.2	454.2
19°	452.7	452.8	453.1	452.6	453.0	452.6	453.1	452.8	452.7	452.8	453.1
19.5°	451.4	451.3	451.3	451.3	451.6	451.3	451.3	451.3	451.4	451.3	451.3
20°	449.4	449.3	449.8	449.6	449.7	449.6	449.8	449.3	449.4	449.3	449.8
20.5°	448.5	448.2	447.8	448.0	448.4	448.0	447.8	448.2	448.5	448.2	447.8
21°	446.2	446.7	446.4	446.6	446.4	446.6	446.4	446.7	446.2	446.7	446.4



TEST NUMBER: P938645

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	441.7	441.5	441.4	441.7	441.8	441.7	441.4	441.5	441.7	441.5	441.4
23°	439.8	439.6	439.7	439.9	439.5	439.9	439.7	439.6	439.8	439.6	439.7
23.5°	438.2	437.8	438.1	438.2	438.4	438.2	438.1	437.8	438.2	437.8	438.1
24°	435.8	436.0	436.4	436.0	436.3	436.0	436.4	436.0	435.8	436.0	436.4
24.5°	434.7	434.0	434.4	434.1	434.6	434.1	434.4	434.0	434.7	434.0	434.4
25°	432.5	432.4	432.6	432.4	432.6	432.4	432.6	432.4	432.5	432.4	432.6
25.5°	430.3	429.9	430.4	430.3	430.5	430.3	430.4	429.9	430.3	429.9	430.4
26°	428.4	428.4	428.3	428.4	428.3	428.4	428.3	428.4	428.4	428.4	428.3
26.5°	426.1	426.1	426.1	426.3	425.9	426.3	426.1	426.1	426.1	426.1	426.1
27°	424.7	424.5	424.3	424.2	424.7	424.2	424.3	424.5	424.7	424.5	424.3
27.5°	422.3	421.8	422.1	422.1	421.8	422.1	422.1	421.8	422.3	421.8	422.1
28°	419.8	420.1	420.1	420.4	420.0	420.4	420.1	420.1	419.8	420.1	420.1
28.5°	418.4	418.0	417.8	417.6	417.8	417.6	417.8	418.0	418.4	418.0	417.8
29°	415.9	415.8	415.7	415.9	415.5	415.9	415.7	415.8	415.9	415.8	415.7
29.5°	413.3	413.1	413.4	413.2	413.5	413.2	413.4	413.1	413.3	413.1	413.4
30°	411.2	411.1	411.5	411.2	411.4	411.2	411.5	411.1	411.2	411.1	411.5
30.5°	409.3	408.6	408.9	409.1	409.1	409.1	408.9	408.6	409.3	408.6	408.9
31°	406.6	406.7	406.5	406.6	406.6	406.6	406.5	406.7	406.6	406.7	406.5
31.5°	404.5	404.2	404.3	404.3	404.6	404.3	404.3	404.2	404.5	404.2	404.3
32°	402.3	401.8	402.2	401.8	401.8	401.8	402.2	401.8	402.3	401.8	402.2
32.5°	399.7	399.5	399.6	399.5	399.7	399.5	399.6	399.5	399.7	399.5	399.6
33°	397.0	396.7	397.0	397.1	396.7	397.1	397.0	396.7	397.0	396.7	397.0
33.5°	394.2	394.5	394.2	394.4	394.3	394.4	394.2	394.5	394.2	394.5	394.2
34°	391.9	392.1	392.0	391.7	392.3	391.7	392.0	392.1	391.9	392.1	392.0
34.5°	389.2	389.4	389.5	389.5	389.7	389.5	389.5	389.4	389.2	389.4	389.5
35°	386.5	387.0	387.0	386.9	386.8	386.9	387.0	387.0	386.5	387.0	387.0
35.5°	384.1	384.0	384.5	384.1	384.3	384.1	384.5	384.0	384.1	384.0	384.5
36°	381.4	381.3	381.6	381.4	381.9	381.4	381.6	381.3	381.4	381.3	381.6
36.5°	379.0	378.9	378.7	378.9	378.7	378.9	378.7	378.9	379.0	378.9	378.7
37°	376.1	375.7	376.2	375.9	376.0	375.9	376.2	375.7	376.1	375.7	376.2
37.5°	373.7	373.1	373.5	373.4	373.4	373.4	373.5	373.1	373.7	373.1	373.5
38°	371.0	370.6	370.9	370.7	370.6	370.7	370.9	370.6	371.0	370.6	370.9
38.5°	368.0	367.9	368.2	368.1	367.8	368.1	368.2	367.9	368.0	367.9	368.2
39°	365.1	365.5	365.0	365.1	364.9	365.1	365.0	365.5	365.1	365.5	365.0
39.5°	362.4	362.2	362.0	362.0	362.5	362.0	362.0	362.2	362.4	362.2	362.0
40°	359.4	359.3	359.0	359.4	359.4	359.4	359.0	359.3	359.4	359.3	359.0
40.5°	356.7	356.2	356.3	356.4	356.6	356.4	356.3	356.2	356.7	356.2	356.3
41°	353.6	353.1	353.8	353.4	353.7	353.4	353.8	353.1	353.6	353.1	353.8
41.5°	350.6	350.4	350.5	350.4	350.3	350.4	350.5	350.4	350.6	350.4	350.5
42°	347.9	347.1	347.3	347.4	347.8	347.4	347.3	347.1	347.9	347.1	347.3
42.5°	344.4	344.4	344.1	344.4	344.5	344.4	344.1	344.4	344.4	344.4	344.1
43°	341.2	341.3	341.3	341.2	341.1	341.2	341.3	341.3	341.2	341.3	341.3
43.5°	338.2	338.1	338.1	338.3	337.9	338.3	338.1	338.1	338.2	338.1	338.1



TEST NUMBER: P938645

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	329.1	328.8	328.8	328.6	328.5	328.6	328.8	328.8	329.1	328.8	328.8
45.5°	325.9	325.5	325.6	325.4	325.6	325.4	325.6	325.5	325.9	325.5	325.6
46°	322.3	322.4	322.2	322.2	322.6	322.2	322.2	322.4	322.3	322.4	322.2
46.5°	319.1	319.1	319.0	319.0	319.3	319.0	319.0	319.1	319.1	319.1	319.0
47°	315.9	315.8	315.7	315.6	315.9	315.6	315.7	315.8	315.9	315.8	315.7
47.5°	312.5	312.4	312.5	312.4	312.4	312.4	312.5	312.4	312.5	312.4	312.5
48°	309.2	309.1	309.1	309.0	309.1	309.0	309.1	309.1	309.2	309.1	309.1
48.5°	305.9	305.9	305.8	305.8	305.6	305.8	305.8	305.9	305.9	305.9	305.8
49°	302.4	302.5	302.4	302.3	302.5	302.3	302.4	302.5	302.4	302.5	302.4
49.5°	299.0	299.0	298.9	298.9	299.0	298.9	298.9	299.0	299.0	299.0	298.9
50°	295.5	295.6	295.5	295.5	295.8	295.5	295.5	295.6	295.5	295.6	295.5
50.5°	292.2	292.0	292.0	291.9	292.2	291.9	292.0	292.0	292.2	292.0	292.0
51°	288.6	288.5	288.6	288.4	288.5	288.4	288.6	288.5	288.6	288.5	288.6
51.5°	285.1	285.1	285.0	285.0	284.9	285.0	285.0	285.1	285.1	285.1	285.0
52°	281.6	281.5	281.5	281.5	281.5	281.5	281.5	281.5	281.6	281.5	281.5
52.5°	278.2	277.9	278.0	278.2	278.0	278.2	278.0	277.9	278.2	277.9	278.0
53°	274.5	274.5	274.5	274.3	274.5	274.3	274.5	274.5	274.5	274.5	274.5
53.5°	271.0	270.9	270.9	270.7	270.7	270.7	270.9	270.9	271.0	270.9	270.9
54°	267.0	267.0	267.3	267.2	267.1	267.2	267.3	267.0	267.0	267.0	267.3
54.5°	263.6	263.3	263.6	263.2	263.8	263.2	263.6	263.3	263.6	263.3	263.6
55°	259.9	259.8	259.7	259.6	260.2	259.6	259.7	259.8	259.9	259.8	259.7
55.5°	256.4	256.1	256.1	255.8	256.0	255.8	256.1	256.1	256.4	256.1	256.1
56°	252.2	252.4	252.4	252.2	252.4	252.2	252.4	252.4	252.2	252.4	252.4
56.5°	248.6	248.6	248.5	248.5	248.5	248.5	248.5	248.6	248.6	248.6	248.5
57°	244.3	244.5	244.7	244.6	244.6	244.6	244.7	244.5	244.3	244.5	244.7
57.5°	240.8	240.8	240.9	240.6	241.1	240.6	240.9	240.8	240.8	240.8	240.9
58°	237.0	237.3	237.0	236.9	237.1	236.9	237.0	237.3	237.0	237.3	237.0
58.5°	233.3	233.4	233.2	233.3	233.0	233.3	233.2	233.4	233.3	233.4	233.2
59°	229.4	229.4	229.4	229.2	229.5	229.2	229.4	229.4	229.4	229.4	229.4
59.5°	225.7	225.7	225.4	225.2	225.6	225.2	225.4	225.7	225.7	225.7	225.4
60°	221.6	221.6	221.7	221.7	221.4	221.7	221.7	221.6	221.6	221.6	221.7
60.5°	217.6	217.7	217.6	217.7	217.4	217.7	217.6	217.7	217.6	217.7	217.6
61°	213.8	213.8	213.8	213.6	213.8	213.6	213.8	213.8	213.8	213.8	213.8
61.5°	209.9	209.8	209.6	209.7	209.8	209.7	209.6	209.8	209.9	209.8	209.6
62°	205.9	205.8	205.6	205.5	205.5	205.5	205.6	205.8	205.9	205.8	205.6
62.5°	201.8	201.8	201.6	201.5	201.6	201.5	201.6	201.8	201.8	201.8	201.6
63°	197.4	197.6	197.7	197.6	197.5	197.6	197.7	197.6	197.4	197.6	197.7
63.5°	193.6	193.5	193.5	193.5	193.6	193.5	193.5	193.5	193.6	193.5	193.5
64°	189.4	189.2	189.4	189.5	189.5	189.5	189.4	189.2	189.4	189.2	189.4
64.5°	185.6	185.3	185.3	185.0	185.4	185.0	185.3	185.3	185.6	185.3	185.3
65°	181.1	181.2	181.1	180.8	181.2	180.8	181.1	181.2	181.1	181.2	181.1
65.5°	176.8	177.0	177.0	177.0	177.0	177.0	177.0	177.0	176.8	177.0	177.0
66°	172.7	172.9	172.7	172.7	172.8	172.7	172.7	172.9	172.7	172.9	172.7





TEST NUMBER: P938645

CATALOG NUMBER: SMX8RLSFS2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	160.1	160.2	160.3	159.9	159.9	159.9	160.3	160.2	160.1	160.2	160.3
68°	156.2	156.2	155.9	155.7	156.0	155.7	155.9	156.2	156.2	156.2	155.9
68.5°	151.8	151.9	151.8	151.9	152.0	151.9	151.8	151.9	151.8	151.9	151.8
69°	147.5	147.5	147.5	147.6	147.6	147.6	147.5	147.5	147.5	147.5	147.5
69.5°	143.1	143.1	143.2	143.2	143.3	143.2	143.2	143.1	143.1	143.1	143.2
70°	138.9	139.1	138.9	138.9	138.8	138.9	138.9	139.1	138.9	139.1	138.9
70.5°	134.9	134.8	134.6	134.8	134.7	134.8	134.6	134.8	134.9	134.8	134.6
71°	130.7	130.5	130.6	130.4	130.4	130.4	130.6	130.5	130.7	130.5	130.6
71.5°	126.4	126.3	126.2	126.2	126.1	126.2	126.2	126.3	126.4	126.3	126.2
72°	122.1	122.0	121.9	121.9	121.9	121.9	121.9	122.0	122.1	122.0	121.9
72.5°	117.8	117.7	117.7	117.5	117.7	117.5	117.7	117.7	117.8	117.7	117.7
73°	113.2	113.2	113.2	113.4	113.2	113.4	113.2	113.2	113.2	113.2	113.2
73.5°	109.1	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.1	109.0	109.0
74°	104.8	104.8	104.8	104.6	104.7	104.6	104.8	104.8	104.8	104.8	104.8
74.5°	100.5	100.4	100.4	100.3	100.3	100.3	100.4	100.4	100.5	100.4	100.4
75°	96.0	96.3	96.1	96.2	96.3	96.2	96.1	96.3	96.0	96.3	96.1
75.5°	92.0	91.9	91.9	91.8	91.8	91.8	91.9	91.9	92.0	91.9	91.9
76°	87.9	87.8	87.7	87.7	87.8	87.7	87.7	87.8	87.9	87.8	87.7
76.5°	83.6	83.6	83.6	83.6	83.7	83.6	83.6	83.6	83.6	83.6	83.6
77°	79.6	79.5	79.3	79.4	79.4	79.4	79.3	79.5	79.6	79.5	79.3
77.5°	75.3	75.4	75.3	75.3	75.2	75.3	75.3	75.4	75.3	75.4	75.3
78°	71.2	71.3	71.2	71.3	71.4	71.3	71.2	71.3	71.2	71.3	71.2
78.5°	67.1	67.1	67.0	67.0	67.2	67.0	67.0	67.1	67.1	67.1	67.0
79°	63.0	63.2	62.9	63.0	63.1	63.0	62.9	63.2	63.0	63.2	62.9
79.5°	59.2	59.1	59.1	59.1	59.2	59.1	59.1	59.1	59.2	59.1	59.1
80°	55.2	55.2	55.2	55.3	55.3	55.3	55.2	55.2	55.2	55.2	55.2
80.5°	51.4	51.4	51.4	51.4	51.3	51.4	51.4	51.4	51.4	51.4	51.4
81°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
81.5°	44.1	44.1	44.1	44.0	44.1	44.0	44.1	44.1	44.1	44.1	44.1
82°	40.6	40.6	40.5	40.5	40.5	40.5	40.5	40.6	40.6	40.6	40.5
82.5°	37.0	37.0	37.0	36.9	37.0	36.9	37.0	37.0	37.0	37.0	37.0
83°	33.6	33.6	33.6	33.5	33.6	33.5	33.6	33.6	33.6	33.6	33.6
83.5°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
84°	27.0	27.1	27.0	26.8	27.0	26.8	27.0	27.1	27.0	27.1	27.0
84.5°	24.1	24.1	23.9	24.0	24.0	24.0	23.9	24.1	24.1	24.1	23.9
85°	20.9	21.0	21.0	21.0	21.1	21.0	21.0	21.0	20.9	21.0	21.0
85.5°	18.1	18.1	18.2	18.3	18.5	18.3	18.2	18.1	18.1	18.1	18.2
86°	15.6	15.6	15.7	15.8	15.9	15.8	15.7	15.6	15.6	15.6	15.7
86.5°	13.3	13.3	13.2	13.4	13.9	13.4	13.2	13.3	13.3	13.3	13.2
87°	11.0	11.1	11.1	11.2	11.4	11.2	11.1	11.1	11.0	11.1	11.1
87.5°	9.2	9.1	9.2	9.3	9.5	9.3	9.2	9.1	9.2	9.1	9.2
88°	7.4	7.4	7.4	7.5	7.7	7.5	7.4	7.4	7.4	7.4	7.4
88.5°	5.9	5.9	5.9	5.9	6.1	5.9	5.9	5.9	5.9	5.9	5.9



TEST NUMBER: P938645  
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**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: P938645

CATALOG NUMBER: SMX8RLSFS2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	481.6	481.6	481.6	481.6	481.6	481.6
0.5°	482.1	481.5	482.1	481.7	481.1	481.8
1°	481.7	481.5	481.7	481.5	481.2	481.2
1.5°	481.5	481.2	481.5	481.5	481.2	481.3
2°	481.4	481.9	481.4	481.4	481.2	481.3
2.5°	481.1	481.1	481.1	481.2	481.0	481.3
3°	480.8	481.1	480.8	481.1	480.8	481.1
3.5°	480.9	480.9	480.9	480.4	480.3	480.8
4°	480.2	480.5	480.2	480.5	480.2	480.1
4.5°	480.2	480.5	480.2	480.2	480.1	479.8
5°	479.6	479.9	479.6	479.6	479.5	479.7
5.5°	479.3	479.4	479.3	478.9	478.8	479.3
6°	478.5	479.5	478.5	478.9	478.4	478.8
6.5°	478.1	478.5	478.1	478.3	478.1	478.5
7°	477.6	478.5	477.6	477.7	477.5	477.7
7.5°	477.3	477.4	477.3	476.8	477.1	476.8
8°	476.2	477.1	476.2	476.5	476.6	476.2
8.5°	475.3	475.8	475.3	475.8	475.8	476.4
9°	475.2	475.5	475.2	475.2	475.2	475.1
9.5°	474.2	474.3	474.2	474.2	474.1	474.8
10°	473.9	473.6	473.9	473.7	473.6	473.4
10.5°	472.9	473.5	472.9	472.9	472.3	473.0
11°	472.1	472.1	472.1	471.6	471.5	472.2
11.5°	471.1	470.9	471.1	471.0	470.8	470.4
12°	469.7	469.8	469.7	469.6	470.1	469.9
12.5°	469.1	469.1	469.1	469.0	468.9	469.1
13°	468.0	467.9	468.0	468.1	468.2	468.0
13.5°	467.1	467.1	467.1	467.1	466.9	466.7
14°	466.1	465.3	466.1	465.7	466.0	465.6
14.5°	464.7	465.2	464.7	464.7	464.5	464.6
15°	463.5	463.5	463.5	463.6	463.2	464.0
15.5°	462.3	462.5	462.3	462.4	462.0	462.0
16°	461.4	461.7	461.4	461.1	461.0	461.1
16.5°	459.6	459.9	459.6	459.7	459.7	459.3
17°	458.3	458.7	458.3	459.0	458.3	458.5
17.5°	457.3	457.0	457.3	457.1	456.7	457.1
18°	455.7	456.2	455.7	455.7	455.7	455.7
18.5°	454.3	454.2	454.3	454.2	454.2	454.7
19°	452.6	453.0	452.6	453.1	452.8	452.7
19.5°	451.3	451.6	451.3	451.3	451.3	451.4
20°	449.6	449.7	449.6	449.8	449.3	449.4
20.5°	448.0	448.4	448.0	447.8	448.2	448.5
21°	446.6	446.4	446.6	446.4	446.7	446.2

TEST NUMBER: P938645

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	441.7	441.8	441.7	441.4	441.5	441.7
23°	439.9	439.5	439.9	439.7	439.6	439.8
23.5°	438.2	438.4	438.2	438.1	437.8	438.2
24°	436.0	436.3	436.0	436.4	436.0	435.8
24.5°	434.1	434.6	434.1	434.4	434.0	434.7
25°	432.4	432.6	432.4	432.6	432.4	432.5
25.5°	430.3	430.5	430.3	430.4	429.9	430.3
26°	428.4	428.3	428.4	428.3	428.4	428.4
26.5°	426.3	425.9	426.3	426.1	426.1	426.1
27°	424.2	424.7	424.2	424.3	424.5	424.7
27.5°	422.1	421.8	422.1	422.1	421.8	422.3
28°	420.4	420.0	420.4	420.1	420.1	419.8
28.5°	417.6	417.8	417.6	417.8	418.0	418.4
29°	415.9	415.5	415.9	415.7	415.8	415.9
29.5°	413.2	413.5	413.2	413.4	413.1	413.3
30°	411.2	411.4	411.2	411.5	411.1	411.2
30.5°	409.1	409.1	409.1	408.9	408.6	409.3
31°	406.6	406.6	406.6	406.5	406.7	406.6
31.5°	404.3	404.6	404.3	404.3	404.2	404.5
32°	401.8	401.8	401.8	402.2	401.8	402.3
32.5°	399.5	399.7	399.5	399.6	399.5	399.7
33°	397.1	396.7	397.1	397.0	396.7	397.0
33.5°	394.4	394.3	394.4	394.2	394.5	394.2
34°	391.7	392.3	391.7	392.0	392.1	391.9
34.5°	389.5	389.7	389.5	389.5	389.4	389.2
35°	386.9	386.8	386.9	387.0	387.0	386.5
35.5°	384.1	384.3	384.1	384.5	384.0	384.1
36°	381.4	381.9	381.4	381.6	381.3	381.4
36.5°	378.9	378.7	378.9	378.7	378.9	379.0
37°	375.9	376.0	375.9	376.2	375.7	376.1
37.5°	373.4	373.4	373.4	373.5	373.1	373.7
38°	370.7	370.6	370.7	370.9	370.6	371.0
38.5°	368.1	367.8	368.1	368.2	367.9	368.0
39°	365.1	364.9	365.1	365.0	365.5	365.1
39.5°	362.0	362.5	362.0	362.0	362.2	362.4
40°	359.4	359.4	359.4	359.0	359.3	359.4
40.5°	356.4	356.6	356.4	356.3	356.2	356.7
41°	353.4	353.7	353.4	353.8	353.1	353.6
41.5°	350.4	350.3	350.4	350.5	350.4	350.6
42°	347.4	347.8	347.4	347.3	347.1	347.9
42.5°	344.4	344.5	344.4	344.1	344.4	344.4
43°	341.2	341.1	341.2	341.3	341.3	341.2
43.5°	338.3	337.9	338.3	338.1	338.1	338.2



TEST NUMBER: P938645

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	328.6	328.5	328.6	328.8	328.8	329.1
45.5°	325.4	325.6	325.4	325.6	325.5	325.9
46°	322.2	322.6	322.2	322.2	322.4	322.3
46.5°	319.0	319.3	319.0	319.0	319.1	319.1
47°	315.6	315.9	315.6	315.7	315.8	315.9
47.5°	312.4	312.4	312.4	312.5	312.4	312.5
48°	309.0	309.1	309.0	309.1	309.1	309.2
48.5°	305.8	305.6	305.8	305.8	305.9	305.9
49°	302.3	302.5	302.3	302.4	302.5	302.4
49.5°	298.9	299.0	298.9	298.9	299.0	299.0
50°	295.5	295.8	295.5	295.5	295.6	295.5
50.5°	291.9	292.2	291.9	292.0	292.0	292.2
51°	288.4	288.5	288.4	288.6	288.5	288.6
51.5°	285.0	284.9	285.0	285.0	285.1	285.1
52°	281.5	281.5	281.5	281.5	281.5	281.6
52.5°	278.2	278.0	278.2	278.0	277.9	278.2
53°	274.3	274.5	274.3	274.5	274.5	274.5
53.5°	270.7	270.7	270.7	270.9	270.9	271.0
54°	267.2	267.1	267.2	267.3	267.0	267.0
54.5°	263.2	263.8	263.2	263.6	263.3	263.6
55°	259.6	260.2	259.6	259.7	259.8	259.9
55.5°	255.8	256.0	255.8	256.1	256.1	256.4
56°	252.2	252.4	252.2	252.4	252.4	252.2
56.5°	248.5	248.5	248.5	248.5	248.6	248.6
57°	244.6	244.6	244.6	244.7	244.5	244.3
57.5°	240.6	241.1	240.6	240.9	240.8	240.8
58°	236.9	237.1	236.9	237.0	237.3	237.0
58.5°	233.3	233.0	233.3	233.2	233.4	233.3
59°	229.2	229.5	229.2	229.4	229.4	229.4
59.5°	225.2	225.6	225.2	225.4	225.7	225.7
60°	221.7	221.4	221.7	221.7	221.6	221.6
60.5°	217.7	217.4	217.7	217.6	217.7	217.6
61°	213.6	213.8	213.6	213.8	213.8	213.8
61.5°	209.7	209.8	209.7	209.6	209.8	209.9
62°	205.5	205.5	205.5	205.6	205.8	205.9
62.5°	201.5	201.6	201.5	201.6	201.8	201.8
63°	197.6	197.5	197.6	197.7	197.6	197.4
63.5°	193.5	193.6	193.5	193.5	193.5	193.6
64°	189.5	189.5	189.5	189.4	189.2	189.4
64.5°	185.0	185.4	185.0	185.3	185.3	185.6
65°	180.8	181.2	180.8	181.1	181.2	181.1
65.5°	177.0	177.0	177.0	177.0	177.0	176.8
66°	172.7	172.8	172.7	172.7	172.9	172.7



TEST NUMBER: P938645

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	159.9	159.9	159.9	160.3	160.2	160.1
68°	155.7	156.0	155.7	155.9	156.2	156.2
68.5°	151.9	152.0	151.9	151.8	151.9	151.8
69°	147.6	147.6	147.6	147.5	147.5	147.5
69.5°	143.2	143.3	143.2	143.2	143.1	143.1
70°	138.9	138.8	138.9	138.9	139.1	138.9
70.5°	134.8	134.7	134.8	134.6	134.8	134.9
71°	130.4	130.4	130.4	130.6	130.5	130.7
71.5°	126.2	126.1	126.2	126.2	126.3	126.4
72°	121.9	121.9	121.9	121.9	122.0	122.1
72.5°	117.5	117.7	117.5	117.7	117.7	117.8
73°	113.4	113.2	113.4	113.2	113.2	113.2
73.5°	109.0	109.0	109.0	109.0	109.0	109.1
74°	104.6	104.7	104.6	104.8	104.8	104.8
74.5°	100.3	100.3	100.3	100.4	100.4	100.5
75°	96.2	96.3	96.2	96.1	96.3	96.0
75.5°	91.8	91.8	91.8	91.9	91.9	92.0
76°	87.7	87.8	87.7	87.7	87.8	87.9
76.5°	83.6	83.7	83.6	83.6	83.6	83.6
77°	79.4	79.4	79.4	79.3	79.5	79.6
77.5°	75.3	75.2	75.3	75.3	75.4	75.3
78°	71.3	71.4	71.3	71.2	71.3	71.2
78.5°	67.0	67.2	67.0	67.0	67.1	67.1
79°	63.0	63.1	63.0	62.9	63.2	63.0
79.5°	59.1	59.2	59.1	59.1	59.1	59.2
80°	55.3	55.3	55.3	55.2	55.2	55.2
80.5°	51.4	51.3	51.4	51.4	51.4	51.4
81°	47.7	47.7	47.7	47.7	47.7	47.7
81.5°	44.0	44.1	44.0	44.1	44.1	44.1
82°	40.5	40.5	40.5	40.5	40.6	40.6
82.5°	36.9	37.0	36.9	37.0	37.0	37.0
83°	33.5	33.6	33.5	33.6	33.6	33.6
83.5°	30.2	30.2	30.2	30.2	30.2	30.2
84°	26.8	27.0	26.8	27.0	27.1	27.0
84.5°	24.0	24.0	24.0	23.9	24.1	24.1
85°	21.0	21.1	21.0	21.0	21.0	20.9
85.5°	18.3	18.5	18.3	18.2	18.1	18.1
86°	15.8	15.9	15.8	15.7	15.6	15.6
86.5°	13.4	13.9	13.4	13.2	13.3	13.3
87°	11.2	11.4	11.2	11.1	11.1	11.0
87.5°	9.3	9.5	9.3	9.2	9.1	9.2
88°	7.5	7.7	7.5	7.4	7.4	7.4
88.5°	5.9	6.1	5.9	5.9	5.9	5.9



TEST NUMBER: P938645  
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-5000K

**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



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

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21.5°	444.6	444.7	445.1	444.7	444.8	444.7	445.1	444.7	444.6	444.7	445.1
22°	443.4	442.7	443.5	443.0	443.1	443.0	443.5	442.7	443.4	442.7	443.5



44°	335.7	335.0	335.0	335.1	335.1	335.0	335.0	335.7	335.0	335.0
44.5°	332.5	332.1	331.8	332.0	332.1	331.8	332.1	332.5	332.1	331.8



66.5°	168.6	168.5	168.5	168.5	168.7	168.5	168.5	168.5	168.5	168.6	168.5	168.5
67°	164.4	164.3	164.3	164.3	164.5	164.3	164.3	164.3	164.3	164.4	164.3	164.3



89°	4.8	4.7	4.7	4.7	4.9	4.7	4.7	4.7	4.8	4.7	4.7
89.5°	3.6	3.7	3.6	3.7	3.8	3.7	3.6	3.7	3.6	3.7	3.6



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21.5°	444.7	444.8	444.7	445.1	444.7	444.6
22°	443.0	443.1	443.0	443.5	442.7	443.4



44°	335.1	335.1	335.1	335.0	335.0	335.7
44.5°	332.1	332.0	332.1	331.8	332.1	332.5

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66.5°	168.5	168.7	168.5	168.5	168.5	168.6
67°	164.3	164.5	164.3	164.3	164.3	164.4



89°	4.7	4.9	4.7	4.7	4.7	4.8
89.5°	3.7	3.8	3.7	3.6	3.7	3.6

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(END OF REPORT)