

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: P938644

Luminaire Tested: SMX8RLSFSD2W-1200LM-4000K

Issue Date: 1/9/2025

**Test Information**

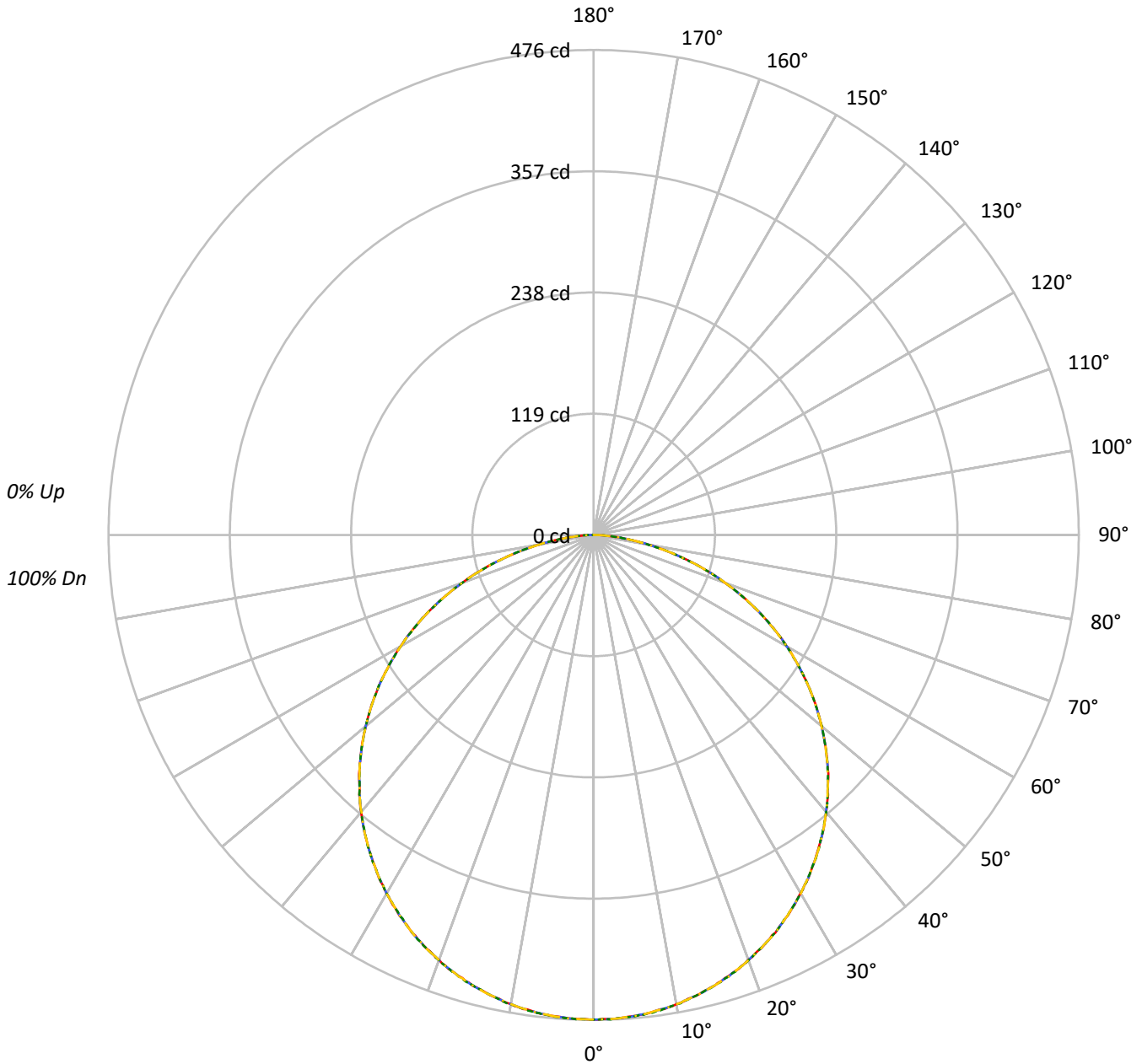
Test Method: LM-79-2019  
Report Number: P938644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2405950-01A001)  
Test Lab:  
Issue Date: 1/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SMX8RLSFS2W-1200LM-4000K  
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1392.3 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

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CATALOG NUMBER: SMX8RLSFS2W-1200LM-4000K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	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°	11588	11588	11588	11588
5°	11588	11593	11588	11593
10°	11569	11574	11569	11574
15°	11560	11545	11560	11545
20°	11507	11517	11507	11517
25°	11485	11485	11485	11485
30°	11428	11431	11428	11431
35°	11356	11362	11356	11362
40°	11291	11288	11291	11288
45°	11198	11178	11198	11178
50°	11064	11076	11064	11076
55°	10904	10917	10904	10917
60°	10667	10657	10667	10657
65°	10314	10320	10314	10320
70°	9774	9767	9774	9767
75°	8924	8952	8924	8952
80°	7647	7661	7647	7661
85°	5787	5815	5787	5815

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	3.2
10°-20°	129.2	9.3
20°-30°	196.8	14.1
30°-40°	239.0	17.2
40°-50°	250.4	18.0
50°-60°	229.1	16.5
60°-70°	176.7	12.7
70°-80°	100.5	7.2
80°-90°	25.4	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°	371.1	26.7
0°-40°	610.1	43.8
0°-60°	1089.6	78.3
0°-90°	1392.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1392.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	476	476	476	476	476	
5°	474	474	474	474	474	45
15°	458	458	458	458	458	129
25°	427	427	427	427	427	197
35°	382	382	382	382	382	239
45°	325	324	325	324	325	251
55°	257	257	257	257	257	229
65°	179	179	179	179	179	177
75°	95	95	95	95	95	101
85°	21	21	21	21	21	25
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°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6
0.5°	475.8	475.2	475.7	476.2	475.6	476.2	475.7	475.2	475.8	475.2	475.7
1°	475.3	475.3	475.6	475.7	475.6	475.7	475.6	475.3	475.3	475.3	475.6
1.5°	475.4	475.3	475.6	475.6	475.3	475.6	475.6	475.3	475.4	475.3	475.6
2°	475.4	475.3	475.5	475.5	475.9	475.5	475.5	475.3	475.4	475.3	475.5
2.5°	475.4	475.0	475.3	475.2	475.2	475.2	475.3	475.0	475.4	475.0	475.3
3°	475.1	474.8	475.2	474.8	475.1	474.8	475.2	474.8	475.1	474.8	475.2
3.5°	474.8	474.4	474.5	474.9	474.9	474.9	474.5	474.4	474.8	474.4	474.5
4°	474.1	474.3	474.6	474.2	474.6	474.2	474.6	474.3	474.1	474.3	474.6
4.5°	473.9	474.1	474.3	474.2	474.6	474.2	474.3	474.1	473.9	474.1	474.3
5°	473.8	473.6	473.7	473.7	474.0	473.7	473.7	473.6	473.8	473.6	473.7
5.5°	473.4	472.9	473.0	473.4	473.5	473.4	473.0	472.9	473.4	472.9	473.0
6°	472.9	472.5	473.0	472.6	473.6	472.6	473.0	472.5	472.9	472.5	473.0
6.5°	472.6	472.2	472.4	472.2	472.5	472.2	472.4	472.2	472.6	472.2	472.4
7°	471.8	471.6	471.8	471.7	472.5	471.7	471.8	471.6	471.8	471.6	471.8
7.5°	470.9	471.2	470.9	471.4	471.5	471.4	470.9	471.2	470.9	471.2	470.9
8°	470.3	470.7	470.6	470.3	471.2	470.3	470.6	470.7	470.3	470.7	470.6
8.5°	470.5	469.9	470.0	469.4	470.0	469.4	470.0	469.9	470.5	469.9	470.0
9°	469.3	469.4	469.4	469.4	469.6	469.4	469.4	469.4	469.3	469.4	469.4
9.5°	468.9	468.2	468.4	468.4	468.5	468.4	468.4	468.2	468.9	468.2	468.4
10°	467.6	467.8	467.8	468.0	467.8	468.0	467.8	467.8	467.6	467.8	467.8
10.5°	467.1	466.4	467.0	467.0	467.7	467.0	467.0	466.4	467.1	466.4	467.0
11°	466.3	465.6	465.8	466.3	466.3	466.3	465.8	465.6	466.3	465.6	465.8
11.5°	464.6	465.0	465.2	465.3	465.1	465.3	465.2	465.0	464.6	465.0	465.2
12°	464.1	464.3	463.8	463.9	464.0	463.9	463.8	464.3	464.1	464.3	463.8
12.5°	463.3	463.1	463.2	463.3	463.3	463.3	463.2	463.1	463.3	463.1	463.2
13°	462.3	462.4	462.4	462.2	462.1	462.2	462.4	462.4	462.3	462.4	462.4
13.5°	460.9	461.1	461.4	461.4	461.3	461.4	461.4	461.1	460.9	461.1	461.4
14°	459.9	460.2	460.0	460.3	459.6	460.3	460.0	460.2	459.9	460.2	460.0
14.5°	458.9	458.8	459.0	459.0	459.4	459.0	459.0	458.8	458.9	458.8	459.0
15°	458.3	457.5	457.9	457.7	457.7	457.7	457.9	457.5	458.3	457.5	457.9
15.5°	456.3	456.3	456.7	456.6	456.8	456.6	456.7	456.3	456.3	456.3	456.7
16°	455.4	455.3	455.4	455.7	456.0	455.7	455.4	455.3	455.4	455.3	455.4
16.5°	453.7	454.0	454.0	453.9	454.2	453.9	454.0	454.0	453.7	454.0	454.0
17°	452.9	452.6	453.3	452.6	453.0	452.6	453.3	452.6	452.9	452.6	453.3
17.5°	451.4	451.1	451.4	451.6	451.4	451.6	451.4	451.1	451.4	451.1	451.4
18°	450.0	450.0	450.1	450.0	450.6	450.0	450.1	450.0	450.0	450.0	450.1
18.5°	449.1	448.6	448.6	448.7	448.6	448.7	448.6	448.6	449.1	448.6	448.6
19°	447.1	447.2	447.5	447.0	447.4	447.0	447.5	447.2	447.1	447.2	447.5
19.5°	445.9	445.7	445.7	445.8	446.0	445.8	445.7	445.7	445.9	445.7	445.7
20°	443.8	443.7	444.3	444.0	444.2	444.0	444.3	443.7	443.8	443.7	444.3
20.5°	442.9	442.7	442.3	442.5	442.9	442.5	442.3	442.7	442.9	442.7	442.3
21°	440.7	441.2	440.9	441.1	440.9	441.1	440.9	441.2	440.7	441.2	440.9



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CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	436.2	436.0	435.9	436.2	436.4	436.2	435.9	436.0	436.2	436.0	435.9
23°	434.3	434.2	434.3	434.4	434.1	434.4	434.3	434.2	434.3	434.2	434.3
23.5°	432.8	432.4	432.7	432.7	433.0	432.7	432.7	432.4	432.8	432.4	432.7
24°	430.4	430.6	431.1	430.6	430.9	430.6	431.1	430.6	430.4	430.6	431.1
24.5°	429.3	428.7	429.0	428.8	429.2	428.8	429.0	428.7	429.3	428.7	429.0
25°	427.2	427.1	427.2	427.1	427.2	427.1	427.2	427.1	427.2	427.1	427.2
25.5°	424.9	424.6	425.1	424.9	425.2	424.9	425.1	424.6	424.9	424.6	425.1
26°	423.1	423.1	423.0	423.1	423.0	423.1	423.0	423.1	423.1	423.1	423.0
26.5°	420.9	420.9	420.9	421.0	420.7	421.0	420.9	420.9	420.9	420.9	420.9
27°	419.4	419.3	419.1	418.9	419.4	418.9	419.1	419.3	419.4	419.3	419.1
27.5°	417.1	416.6	416.9	416.9	416.6	416.9	416.9	416.6	417.1	416.6	416.9
28°	414.7	414.9	414.9	415.2	414.8	415.2	414.9	414.9	414.7	414.9	414.9
28.5°	413.2	412.8	412.6	412.4	412.6	412.4	412.6	412.8	413.2	412.8	412.6
29°	410.8	410.7	410.6	410.8	410.4	410.8	410.6	410.7	410.8	410.7	410.6
29.5°	408.2	408.0	408.3	408.1	408.4	408.1	408.3	408.0	408.2	408.0	408.3
30°	406.2	406.1	406.4	406.2	406.3	406.2	406.4	406.1	406.2	406.1	406.4
30.5°	404.3	403.6	403.8	404.0	404.0	404.0	403.8	403.6	404.3	403.6	403.8
31°	401.5	401.6	401.5	401.5	401.5	401.5	401.5	401.6	401.5	401.6	401.5
31.5°	399.5	399.2	399.3	399.3	399.6	399.3	399.3	399.2	399.5	399.2	399.3
32°	397.4	396.8	397.2	396.8	396.8	396.8	397.2	396.8	397.4	396.8	397.2
32.5°	394.7	394.5	394.6	394.5	394.8	394.5	394.6	394.5	394.7	394.5	394.6
33°	392.1	391.8	392.1	392.2	391.8	392.2	392.1	391.8	392.1	391.8	392.1
33.5°	389.3	389.7	389.3	389.5	389.4	389.5	389.3	389.7	389.3	389.7	389.3
34°	387.1	387.3	387.2	386.8	387.4	386.8	387.2	387.3	387.1	387.3	387.2
34.5°	384.4	384.6	384.7	384.7	384.9	384.7	384.7	384.6	384.4	384.6	384.7
35°	381.8	382.2	382.2	382.1	382.0	382.1	382.2	382.2	381.8	382.2	382.2
35.5°	379.4	379.3	379.7	379.4	379.6	379.4	379.7	379.3	379.4	379.3	379.7
36°	376.7	376.6	376.9	376.7	377.2	376.7	376.9	376.6	376.7	376.6	376.9
36.5°	374.3	374.2	374.1	374.2	374.0	374.2	374.1	374.2	374.3	374.2	374.1
37°	371.5	371.1	371.6	371.2	371.4	371.2	371.6	371.1	371.5	371.1	371.6
37.5°	369.1	368.5	368.9	368.8	368.8	368.8	368.9	368.5	369.1	368.5	368.9
38°	366.4	366.0	366.4	366.1	366.0	366.1	366.4	366.0	366.4	366.0	366.4
38.5°	363.4	363.3	363.6	363.5	363.3	363.5	363.6	363.3	363.4	363.3	363.6
39°	360.6	360.9	360.5	360.6	360.4	360.6	360.5	360.9	360.6	360.9	360.5
39.5°	357.9	357.8	357.5	357.6	358.0	357.6	357.5	357.8	357.9	357.8	357.5
40°	355.0	354.8	354.6	354.9	354.9	354.9	354.6	354.8	355.0	354.8	354.6
40.5°	352.3	351.8	351.9	352.0	352.2	352.0	351.9	351.8	352.3	351.8	351.9
41°	349.2	348.7	349.4	349.1	349.3	349.1	349.4	348.7	349.2	348.7	349.4
41.5°	346.2	346.1	346.1	346.1	346.0	346.1	346.1	346.1	346.2	346.1	346.1
42°	343.6	342.9	343.0	343.1	343.5	343.1	343.0	342.9	343.6	342.9	343.0
42.5°	340.1	340.1	339.8	340.1	340.2	340.1	339.8	340.1	340.1	340.1	339.8
43°	337.0	337.1	337.1	337.0	336.9	337.0	337.1	337.1	337.0	337.1	337.1
43.5°	334.0	333.9	333.9	334.1	333.7	334.1	333.9	333.9	334.0	333.9	333.9



TEST NUMBER: P938644

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	325.0	324.7	324.7	324.5	324.4	324.5	324.7	324.7	325.0	324.7	324.7
45.5°	321.9	321.5	321.6	321.4	321.6	321.4	321.6	321.5	321.9	321.5	321.6
46°	318.3	318.4	318.2	318.2	318.7	318.2	318.2	318.4	318.3	318.4	318.2
46.5°	315.2	315.2	315.0	315.0	315.4	315.0	315.0	315.2	315.2	315.2	315.0
47°	312.0	311.9	311.8	311.8	312.0	311.8	311.8	311.9	312.0	311.9	311.8
47.5°	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
48°	305.4	305.3	305.3	305.2	305.3	305.2	305.3	305.3	305.4	305.3	305.3
48.5°	302.1	302.1	302.0	302.0	301.8	302.0	302.0	302.1	302.1	302.1	302.0
49°	298.6	298.7	298.6	298.5	298.8	298.5	298.6	298.7	298.6	298.7	298.6
49.5°	295.3	295.4	295.2	295.2	295.4	295.2	295.2	295.4	295.3	295.4	295.2
50°	291.9	292.0	291.8	291.8	292.2	291.8	291.8	292.0	291.9	292.0	291.8
50.5°	288.6	288.4	288.4	288.3	288.6	288.3	288.4	288.4	288.6	288.4	288.4
51°	285.1	284.9	285.1	284.8	284.9	284.8	285.1	284.9	285.1	284.9	285.1
51.5°	281.6	281.6	281.4	281.4	281.3	281.4	281.4	281.6	281.6	281.6	281.4
52°	278.2	278.1	278.0	278.1	278.1	278.1	278.0	278.1	278.2	278.1	278.0
52.5°	274.8	274.4	274.6	274.8	274.5	274.8	274.6	274.4	274.8	274.4	274.6
53°	271.1	271.1	271.1	270.9	271.2	270.9	271.1	271.1	271.1	271.1	271.1
53.5°	267.6	267.5	267.5	267.3	267.3	267.3	267.5	267.5	267.6	267.5	267.5
54°	263.7	263.7	264.0	263.9	263.8	263.9	264.0	263.7	263.7	263.7	264.0
54.5°	260.3	260.1	260.3	260.0	260.5	260.0	260.3	260.1	260.3	260.1	260.3
55°	256.7	256.6	256.5	256.4	257.0	256.4	256.5	256.6	256.7	256.6	256.5
55.5°	253.2	253.0	252.9	252.6	252.8	252.6	252.9	253.0	253.2	253.0	252.9
56°	249.1	249.3	249.3	249.1	249.3	249.1	249.3	249.3	249.1	249.3	249.3
56.5°	245.5	245.5	245.4	245.4	245.4	245.4	245.4	245.5	245.5	245.5	245.4
57°	241.3	241.5	241.7	241.5	241.5	241.5	241.7	241.5	241.3	241.5	241.7
57.5°	237.8	237.8	237.9	237.6	238.1	237.6	237.9	237.8	237.8	237.8	237.9
58°	234.1	234.4	234.1	234.0	234.2	234.0	234.1	234.4	234.1	234.4	234.1
58.5°	230.5	230.6	230.3	230.4	230.1	230.4	230.3	230.6	230.5	230.6	230.3
59°	226.6	226.6	226.6	226.4	226.7	226.4	226.6	226.6	226.6	226.6	226.6
59.5°	222.9	222.9	222.7	222.4	222.8	222.4	222.7	222.9	222.9	222.9	222.7
60°	218.9	218.9	218.9	218.9	218.7	218.9	218.9	218.9	218.9	218.9	218.9
60.5°	214.9	215.0	215.0	215.0	214.7	215.0	215.0	215.0	214.9	215.0	215.0
61°	211.1	211.1	211.1	211.0	211.1	211.0	211.1	211.1	211.1	211.1	211.1
61.5°	207.3	207.2	207.0	207.2	207.2	207.2	207.0	207.2	207.3	207.2	207.0
62°	203.3	203.3	203.1	203.0	203.0	203.0	203.1	203.3	203.3	203.3	203.1
62.5°	199.3	199.3	199.1	199.0	199.1	199.0	199.1	199.3	199.3	199.3	199.1
63°	194.9	195.2	195.3	195.2	195.1	195.2	195.3	195.2	194.9	195.2	195.3
63.5°	191.2	191.1	191.1	191.1	191.2	191.1	191.1	191.1	191.2	191.1	191.1
64°	187.0	186.9	187.0	187.1	187.1	187.1	187.0	186.9	187.0	186.9	187.0
64.5°	183.3	183.0	183.0	182.7	183.1	182.7	183.0	183.0	183.3	183.0	183.0
65°	178.9	179.0	178.9	178.6	179.0	178.6	178.9	179.0	178.9	179.0	178.9
65.5°	174.6	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.6	174.8	174.8
66°	170.5	170.8	170.5	170.5	170.6	170.5	170.5	170.8	170.5	170.8	170.5





TEST NUMBER: P938644

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	158.1	158.2	158.3	158.0	158.0	158.0	158.3	158.2	158.1	158.2	158.3
68°	154.2	154.2	154.0	153.8	154.1	153.8	154.0	154.2	154.2	154.2	154.0
68.5°	149.9	150.0	149.9	150.0	150.2	150.0	149.9	150.0	149.9	150.0	149.9
69°	145.7	145.6	145.7	145.8	145.8	145.8	145.7	145.6	145.7	145.6	145.7
69.5°	141.3	141.4	141.5	141.5	141.6	141.5	141.5	141.4	141.3	141.4	141.5
70°	137.2	137.4	137.2	137.2	137.1	137.2	137.2	137.4	137.2	137.4	137.2
70.5°	133.2	133.1	133.0	133.1	133.1	133.1	133.0	133.1	133.2	133.1	133.0
71°	129.1	128.9	129.0	128.8	128.8	128.8	129.0	128.9	129.1	128.9	129.0
71.5°	124.8	124.7	124.6	124.6	124.5	124.6	124.6	124.7	124.8	124.7	124.6
72°	120.6	120.5	120.4	120.4	120.4	120.4	120.4	120.5	120.6	120.5	120.4
72.5°	116.3	116.2	116.2	116.0	116.2	116.0	116.2	116.2	116.3	116.2	116.2
73°	111.8	111.8	111.8	112.0	111.8	112.0	111.8	111.8	111.8	111.8	111.8
73.5°	107.8	107.7	107.7	107.6	107.6	107.6	107.7	107.7	107.8	107.7	107.7
74°	103.5	103.5	103.5	103.4	103.4	103.4	103.5	103.5	103.5	103.5	103.5
74.5°	99.3	99.2	99.2	99.1	99.1	99.1	99.2	99.2	99.3	99.2	99.2
75°	94.8	95.1	94.9	95.0	95.1	95.0	94.9	95.1	94.8	95.1	94.9
75.5°	90.9	90.8	90.8	90.7	90.7	90.7	90.8	90.8	90.9	90.8	90.8
76°	86.8	86.7	86.6	86.6	86.7	86.6	86.6	86.7	86.8	86.7	86.6
76.5°	82.6	82.5	82.5	82.5	82.7	82.5	82.5	82.5	82.6	82.5	82.5
77°	78.6	78.5	78.4	78.4	78.4	78.4	78.4	78.5	78.6	78.5	78.4
77.5°	74.4	74.5	74.4	74.4	74.3	74.4	74.4	74.5	74.4	74.5	74.4
78°	70.3	70.4	70.3	70.4	70.5	70.4	70.3	70.4	70.3	70.4	70.3
78.5°	66.3	66.3	66.2	66.2	66.4	66.2	66.2	66.3	66.3	66.3	66.2
79°	62.2	62.4	62.1	62.2	62.3	62.2	62.1	62.4	62.2	62.4	62.1
79.5°	58.5	58.4	58.3	58.3	58.5	58.3	58.3	58.4	58.5	58.4	58.3
80°	54.5	54.5	54.5	54.6	54.6	54.6	54.5	54.5	54.5	54.5	54.5
80.5°	50.8	50.8	50.8	50.8	50.7	50.8	50.8	50.8	50.8	50.8	50.8
81°	47.1	47.2	47.1	47.1	47.2	47.1	47.1	47.2	47.1	47.2	47.1
81.5°	43.5	43.5	43.5	43.4	43.5	43.4	43.5	43.5	43.5	43.5	43.5
82°	40.1	40.1	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.0
82.5°	36.5	36.5	36.5	36.4	36.5	36.4	36.5	36.5	36.5	36.5	36.5
83°	33.2	33.2	33.2	33.1	33.2	33.1	33.2	33.2	33.2	33.2	33.2
83.5°	29.9	29.9	29.8	29.8	29.8	29.8	29.8	29.9	29.9	29.9	29.8
84°	26.7	26.8	26.7	26.5	26.7	26.5	26.7	26.8	26.7	26.8	26.7
84.5°	23.8	23.8	23.6	23.7	23.7	23.7	23.6	23.8	23.8	23.8	23.6
85°	20.7	20.7	20.7	20.7	20.8	20.7	20.7	20.7	20.7	20.7	20.7
85.5°	17.9	17.9	18.0	18.1	18.3	18.1	18.0	17.9	17.9	17.9	18.0
86°	15.4	15.4	15.5	15.6	15.7	15.6	15.5	15.4	15.4	15.4	15.5
86.5°	13.1	13.1	13.0	13.2	13.7	13.2	13.0	13.1	13.1	13.1	13.0
87°	10.9	11.0	11.0	11.1	11.3	11.1	11.0	11.0	10.9	11.0	11.0
87.5°	9.0	9.0	9.0	9.2	9.4	9.2	9.0	9.0	9.0	9.0	9.0
88°	7.3	7.3	7.4	7.4	7.6	7.4	7.4	7.3	7.3	7.3	7.4
88.5°	5.9	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9	5.9	5.9



TEST NUMBER: P938644  
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**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: P938644

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	475.6	475.6	475.6	475.6	475.6	475.6
0.5°	476.2	475.6	476.2	475.7	475.2	475.8
1°	475.7	475.6	475.7	475.6	475.3	475.3
1.5°	475.6	475.3	475.6	475.6	475.3	475.4
2°	475.5	475.9	475.5	475.5	475.3	475.4
2.5°	475.2	475.2	475.2	475.3	475.0	475.4
3°	474.8	475.1	474.8	475.2	474.8	475.1
3.5°	474.9	474.9	474.9	474.5	474.4	474.8
4°	474.2	474.6	474.2	474.6	474.3	474.1
4.5°	474.2	474.6	474.2	474.3	474.1	473.9
5°	473.7	474.0	473.7	473.7	473.6	473.8
5.5°	473.4	473.5	473.4	473.0	472.9	473.4
6°	472.6	473.6	472.6	473.0	472.5	472.9
6.5°	472.2	472.5	472.2	472.4	472.2	472.6
7°	471.7	472.5	471.7	471.8	471.6	471.8
7.5°	471.4	471.5	471.4	470.9	471.2	470.9
8°	470.3	471.2	470.3	470.6	470.7	470.3
8.5°	469.4	470.0	469.4	470.0	469.9	470.5
9°	469.4	469.6	469.4	469.4	469.4	469.3
9.5°	468.4	468.5	468.4	468.4	468.2	468.9
10°	468.0	467.8	468.0	467.8	467.8	467.6
10.5°	467.0	467.7	467.0	467.0	466.4	467.1
11°	466.3	466.3	466.3	465.8	465.6	466.3
11.5°	465.3	465.1	465.3	465.2	465.0	464.6
12°	463.9	464.0	463.9	463.8	464.3	464.1
12.5°	463.3	463.3	463.3	463.2	463.1	463.3
13°	462.2	462.1	462.2	462.4	462.4	462.3
13.5°	461.4	461.3	461.4	461.4	461.1	460.9
14°	460.3	459.6	460.3	460.0	460.2	459.9
14.5°	459.0	459.4	459.0	459.0	458.8	458.9
15°	457.7	457.7	457.7	457.9	457.5	458.3
15.5°	456.6	456.8	456.6	456.7	456.3	456.3
16°	455.7	456.0	455.7	455.4	455.3	455.4
16.5°	453.9	454.2	453.9	454.0	454.0	453.7
17°	452.6	453.0	452.6	453.3	452.6	452.9
17.5°	451.6	451.4	451.6	451.4	451.1	451.4
18°	450.0	450.6	450.0	450.1	450.0	450.0
18.5°	448.7	448.6	448.7	448.6	448.6	449.1
19°	447.0	447.4	447.0	447.5	447.2	447.1
19.5°	445.8	446.0	445.8	445.7	445.7	445.9
20°	444.0	444.2	444.0	444.3	443.7	443.8
20.5°	442.5	442.9	442.5	442.3	442.7	442.9
21°	441.1	440.9	441.1	440.9	441.2	440.7

TEST NUMBER: P938644

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	436.2	436.4	436.2	435.9	436.0	436.2
23°	434.4	434.1	434.4	434.3	434.2	434.3
23.5°	432.7	433.0	432.7	432.7	432.4	432.8
24°	430.6	430.9	430.6	431.1	430.6	430.4
24.5°	428.8	429.2	428.8	429.0	428.7	429.3
25°	427.1	427.2	427.1	427.2	427.1	427.2
25.5°	424.9	425.2	424.9	425.1	424.6	424.9
26°	423.1	423.0	423.1	423.0	423.1	423.1
26.5°	421.0	420.7	421.0	420.9	420.9	420.9
27°	418.9	419.4	418.9	419.1	419.3	419.4
27.5°	416.9	416.6	416.9	416.9	416.6	417.1
28°	415.2	414.8	415.2	414.9	414.9	414.7
28.5°	412.4	412.6	412.4	412.6	412.8	413.2
29°	410.8	410.4	410.8	410.6	410.7	410.8
29.5°	408.1	408.4	408.1	408.3	408.0	408.2
30°	406.2	406.3	406.2	406.4	406.1	406.2
30.5°	404.0	404.0	404.0	403.8	403.6	404.3
31°	401.5	401.5	401.5	401.5	401.6	401.5
31.5°	399.3	399.6	399.3	399.3	399.2	399.5
32°	396.8	396.8	396.8	397.2	396.8	397.4
32.5°	394.5	394.8	394.5	394.6	394.5	394.7
33°	392.2	391.8	392.2	392.1	391.8	392.1
33.5°	389.5	389.4	389.5	389.3	389.7	389.3
34°	386.8	387.4	386.8	387.2	387.3	387.1
34.5°	384.7	384.9	384.7	384.7	384.6	384.4
35°	382.1	382.0	382.1	382.2	382.2	381.8
35.5°	379.4	379.6	379.4	379.7	379.3	379.4
36°	376.7	377.2	376.7	376.9	376.6	376.7
36.5°	374.2	374.0	374.2	374.1	374.2	374.3
37°	371.2	371.4	371.2	371.6	371.1	371.5
37.5°	368.8	368.8	368.8	368.9	368.5	369.1
38°	366.1	366.0	366.1	366.4	366.0	366.4
38.5°	363.5	363.3	363.5	363.6	363.3	363.4
39°	360.6	360.4	360.6	360.5	360.9	360.6
39.5°	357.6	358.0	357.6	357.5	357.8	357.9
40°	354.9	354.9	354.9	354.6	354.8	355.0
40.5°	352.0	352.2	352.0	351.9	351.8	352.3
41°	349.1	349.3	349.1	349.4	348.7	349.2
41.5°	346.1	346.0	346.1	346.1	346.1	346.2
42°	343.1	343.5	343.1	343.0	342.9	343.6
42.5°	340.1	340.2	340.1	339.8	340.1	340.1
43°	337.0	336.9	337.0	337.1	337.1	337.0
43.5°	334.1	333.7	334.1	333.9	333.9	334.0



TEST NUMBER: P938644

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	324.5	324.4	324.5	324.7	324.7	325.0
45.5°	321.4	321.6	321.4	321.6	321.5	321.9
46°	318.2	318.7	318.2	318.2	318.4	318.3
46.5°	315.0	315.4	315.0	315.0	315.2	315.2
47°	311.8	312.0	311.8	311.8	311.9	312.0
47.5°	308.6	308.6	308.6	308.6	308.6	308.6
48°	305.2	305.3	305.2	305.3	305.3	305.4
48.5°	302.0	301.8	302.0	302.0	302.1	302.1
49°	298.5	298.8	298.5	298.6	298.7	298.6
49.5°	295.2	295.4	295.2	295.2	295.4	295.3
50°	291.8	292.2	291.8	291.8	292.0	291.9
50.5°	288.3	288.6	288.3	288.4	288.4	288.6
51°	284.8	284.9	284.8	285.1	284.9	285.1
51.5°	281.4	281.3	281.4	281.4	281.6	281.6
52°	278.1	278.1	278.1	278.0	278.1	278.2
52.5°	274.8	274.5	274.8	274.6	274.4	274.8
53°	270.9	271.2	270.9	271.1	271.1	271.1
53.5°	267.3	267.3	267.3	267.5	267.5	267.6
54°	263.9	263.8	263.9	264.0	263.7	263.7
54.5°	260.0	260.5	260.0	260.3	260.1	260.3
55°	256.4	257.0	256.4	256.5	256.6	256.7
55.5°	252.6	252.8	252.6	252.9	253.0	253.2
56°	249.1	249.3	249.1	249.3	249.3	249.1
56.5°	245.4	245.4	245.4	245.4	245.5	245.5
57°	241.5	241.5	241.5	241.7	241.5	241.3
57.5°	237.6	238.1	237.6	237.9	237.8	237.8
58°	234.0	234.2	234.0	234.1	234.4	234.1
58.5°	230.4	230.1	230.4	230.3	230.6	230.5
59°	226.4	226.7	226.4	226.6	226.6	226.6
59.5°	222.4	222.8	222.4	222.7	222.9	222.9
60°	218.9	218.7	218.9	218.9	218.9	218.9
60.5°	215.0	214.7	215.0	215.0	215.0	214.9
61°	211.0	211.1	211.0	211.1	211.1	211.1
61.5°	207.2	207.2	207.2	207.0	207.2	207.3
62°	203.0	203.0	203.0	203.1	203.3	203.3
62.5°	199.0	199.1	199.0	199.1	199.3	199.3
63°	195.2	195.1	195.2	195.3	195.2	194.9
63.5°	191.1	191.2	191.1	191.1	191.1	191.2
64°	187.1	187.1	187.1	187.0	186.9	187.0
64.5°	182.7	183.1	182.7	183.0	183.0	183.3
65°	178.6	179.0	178.6	178.9	179.0	178.9
65.5°	174.8	174.8	174.8	174.8	174.8	174.6
66°	170.5	170.6	170.5	170.5	170.8	170.5



TEST NUMBER: P938644  
 CATALOG NUMBER: SMX8RLSFS2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	158.0	158.0	158.0	158.3	158.2	158.1
68°	153.8	154.1	153.8	154.0	154.2	154.2
68.5°	150.0	150.2	150.0	149.9	150.0	149.9
69°	145.8	145.8	145.8	145.7	145.6	145.7
69.5°	141.5	141.6	141.5	141.5	141.4	141.3
70°	137.2	137.1	137.2	137.2	137.4	137.2
70.5°	133.1	133.1	133.1	133.0	133.1	133.2
71°	128.8	128.8	128.8	129.0	128.9	129.1
71.5°	124.6	124.5	124.6	124.6	124.7	124.8
72°	120.4	120.4	120.4	120.4	120.5	120.6
72.5°	116.0	116.2	116.0	116.2	116.2	116.3
73°	112.0	111.8	112.0	111.8	111.8	111.8
73.5°	107.6	107.6	107.6	107.7	107.7	107.8
74°	103.4	103.4	103.4	103.5	103.5	103.5
74.5°	99.1	99.1	99.1	99.2	99.2	99.3
75°	95.0	95.1	95.0	94.9	95.1	94.8
75.5°	90.7	90.7	90.7	90.8	90.8	90.9
76°	86.6	86.7	86.6	86.6	86.7	86.8
76.5°	82.5	82.7	82.5	82.5	82.5	82.6
77°	78.4	78.4	78.4	78.4	78.5	78.6
77.5°	74.4	74.3	74.4	74.4	74.5	74.4
78°	70.4	70.5	70.4	70.3	70.4	70.3
78.5°	66.2	66.4	66.2	66.2	66.3	66.3
79°	62.2	62.3	62.2	62.1	62.4	62.2
79.5°	58.3	58.5	58.3	58.3	58.4	58.5
80°	54.6	54.6	54.6	54.5	54.5	54.5
80.5°	50.8	50.7	50.8	50.8	50.8	50.8
81°	47.1	47.2	47.1	47.1	47.2	47.1
81.5°	43.4	43.5	43.4	43.5	43.5	43.5
82°	40.0	40.0	40.0	40.0	40.1	40.1
82.5°	36.4	36.5	36.4	36.5	36.5	36.5
83°	33.1	33.2	33.1	33.2	33.2	33.2
83.5°	29.8	29.8	29.8	29.8	29.9	29.9
84°	26.5	26.7	26.5	26.7	26.8	26.7
84.5°	23.7	23.7	23.7	23.6	23.8	23.8
85°	20.7	20.8	20.7	20.7	20.7	20.7
85.5°	18.1	18.3	18.1	18.0	17.9	17.9
86°	15.6	15.7	15.6	15.5	15.4	15.4
86.5°	13.2	13.7	13.2	13.0	13.1	13.1
87°	11.1	11.3	11.1	11.0	11.0	10.9
87.5°	9.2	9.4	9.2	9.0	9.0	9.0
88°	7.4	7.6	7.4	7.4	7.3	7.3
88.5°	5.9	6.0	5.9	5.9	5.9	5.9



TEST NUMBER: P938644  
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-4000K

**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°	439.1	439.2	439.6	439.2	439.3	439.2	439.6	439.2	439.1	439.2	439.6
22°	438.0	437.3	438.1	437.5	437.6	437.5	438.1	437.3	438.0	437.3	438.1



44°	331.5	330.9	330.9	331.0	331.0	330.9	330.9	331.5	330.9	330.9	
44.5°	328.4	328.0	327.7	328.0	327.9	328.0	327.7	328.0	328.4	328.0	327.7



66.5°	166.6	166.5	166.4	166.5	166.6	166.5	166.4	166.5	166.6	166.5	166.4
67°	162.4	162.3	162.3	162.3	162.5	162.3	162.3	162.3	162.4	162.3	162.3



89°	4.7	4.6	4.6	4.6	4.9	4.6	4.6	4.6	4.7	4.6	4.6
89.5°	3.5	3.6	3.5	3.6	3.7	3.6	3.5	3.6	3.5	3.6	3.5



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21.5°	439.2	439.3	439.2	439.6	439.2	439.1
22°	437.5	437.6	437.5	438.1	437.3	438.0



44°	331.0	331.0	331.0	330.9	330.9	331.5
44.5°	328.0	327.9	328.0	327.7	328.0	328.4



66.5°	166.5	166.6	166.5	166.4	166.5	166.6
67°	162.3	162.5	162.3	162.3	162.3	162.4



89°	4.6	4.9	4.6	4.6	4.6	4.7
89.5°	3.6	3.7	3.6	3.5	3.6	3.5

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(END OF REPORT)