

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: P938629

Luminaire Tested: SMX6RLSFSD2W-1200LM-4000K

Issue Date: 1/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P938629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2405958-01A001)  
Test Lab:  
Issue Date: 1/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SMX6RLSFS2W-1200LM-4000K  
Description: 6IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 4000K CCT  
Ballast/Driver: -

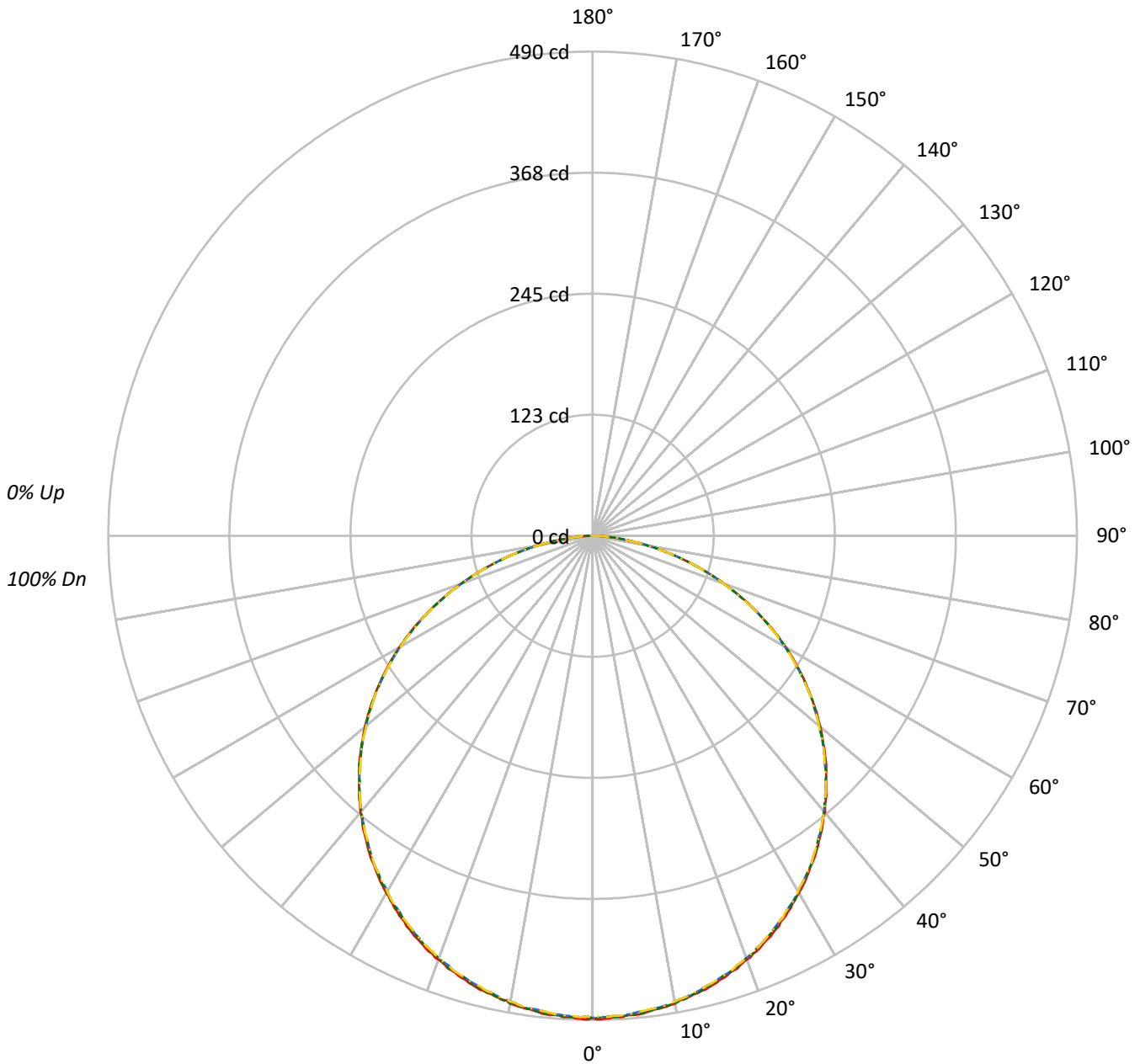
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1430.0 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: SMX6RLSFS2W-1200LM-4000K

### 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	95	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	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43								
6	70	56	47	40	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°	26752	26752	26752	26752
5°	26788	26766	26788	26766
10°	26770	26736	26770	26736
15°	26703	26674	26703	26674
20°	26631	26544	26631	26544
25°	26560	26506	26560	26506
30°	26428	26390	26428	26390
35°	26328	26227	26328	26227
40°	26170	26063	26170	26063
45°	25910	25902	25910	25902
50°	25662	25586	25662	25586
55°	25280	25213	25280	25213
60°	24768	24735	24768	24735
65°	23894	23894	23894	23894
70°	22728	22632	22728	22632
75°	20757	20778	20757	20778
80°	17742	17900	17742	17900
85°	13020	14467	13020	14467

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 89.5°  
 Luminance: 37692 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.2	3.2
10°-20°	132.5	9.3
20°-30°	201.8	14.1
30°-40°	245.3	17.2
40°-50°	257.1	18.0
50°-60°	235.5	16.5
60°-70°	181.7	12.7
70°-80°	103.4	7.2
80°-90°	26.5	1.9
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°	380.5	26.6
0°-40°	625.7	43.8
0°-60°	1118.4	78.2
0°-90°	1430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1430.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	488	488	488	488	488	
5°	487	486	487	486	487	46
15°	470	470	470	470	470	133
25°	439	438	439	438	439	202
35°	393	392	393	392	393	246
45°	334	334	334	334	334	258
55°	264	264	264	264	264	236
65°	184	184	184	184	184	182
75°	98	98	98	98	98	104
85°	21	23	21	23	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°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
0.5°	489.5	487.7	486.8	488.1	488.0	488.1	486.8	487.7	489.5	487.7	486.8
1°	489.4	487.5	486.9	487.6	487.6	487.6	486.9	487.5	489.4	487.5	486.9
1.5°	488.8	487.6	487.4	487.9	487.4	487.9	487.4	487.6	488.8	487.6	487.4
2°	488.6	487.8	486.9	487.8	486.8	487.8	486.9	487.8	488.6	487.8	486.9
2.5°	487.8	487.2	486.4	488.0	487.4	488.0	486.4	487.2	487.8	487.2	486.4
3°	487.8	487.1	486.6	487.5	487.4	487.5	486.6	487.1	487.8	487.1	486.6
3.5°	488.1	486.8	486.2	486.9	487.2	486.9	486.2	486.8	488.1	486.8	486.2
4°	486.9	486.7	485.8	486.5	486.9	486.5	485.8	486.7	486.9	486.7	485.8
4.5°	486.5	486.0	485.6	486.2	486.4	486.2	485.6	486.0	486.5	486.0	485.6
5°	486.8	485.6	484.6	485.9	486.4	485.9	484.6	485.6	486.8	485.6	484.6
5.5°	486.7	485.1	484.1	485.6	486.2	485.6	484.1	485.1	486.7	485.1	484.1
6°	486.4	484.6	483.7	485.0	485.5	485.0	483.7	484.6	486.4	484.6	483.7
6.5°	485.1	484.2	483.1	483.9	485.3	483.9	483.1	484.2	485.1	484.2	483.1
7°	484.3	484.1	482.7	483.6	484.2	483.6	482.7	484.1	484.3	484.1	482.7
7.5°	483.5	483.6	482.4	482.9	483.1	482.9	482.4	483.6	483.5	483.6	482.4
8°	483.4	482.8	482.1	482.1	482.8	482.1	482.1	482.8	483.4	482.8	482.1
8.5°	482.7	482.0	481.4	481.7	482.7	481.7	481.4	482.0	482.7	482.0	481.4
9°	482.2	481.4	480.7	480.8	481.7	480.8	480.7	481.4	482.2	481.4	480.7
9.5°	481.4	480.6	479.1	480.1	480.9	480.1	479.1	480.6	481.4	480.6	479.1
10°	480.9	479.9	478.8	479.8	480.3	479.8	478.8	479.9	480.9	479.9	478.8
10.5°	478.4	478.8	477.5	478.6	479.3	478.6	477.5	478.8	478.4	478.8	477.5
11°	478.2	477.8	476.8	478.0	478.5	478.0	476.8	477.8	478.2	477.8	476.8
11.5°	477.2	477.6	476.0	476.9	477.8	476.9	476.0	477.6	477.2	477.6	476.0
12°	476.4	476.4	475.1	476.2	475.7	476.2	475.1	476.4	476.4	476.4	475.1
12.5°	475.0	475.5	473.5	474.6	474.9	474.6	473.5	475.5	475.0	475.5	473.5
13°	474.8	474.3	473.1	474.0	474.2	474.0	473.1	474.3	474.8	474.3	473.1
13.5°	473.7	473.7	472.0	473.2	473.3	473.2	472.0	473.7	473.7	473.7	472.0
14°	473.3	471.6	470.1	471.6	471.9	471.6	470.1	471.6	473.3	471.6	470.1
14.5°	471.6	471.0	469.4	470.8	470.9	470.8	469.4	471.0	471.6	471.0	469.4
15°	470.5	469.1	468.6	470.1	470.0	470.1	468.6	469.1	470.5	469.1	468.6
15.5°	469.4	467.7	467.2	468.7	467.7	468.7	467.2	467.7	469.4	467.7	467.2
16°	467.4	466.4	465.8	467.1	466.3	467.1	465.8	466.4	467.4	466.4	465.8
16.5°	466.7	465.3	464.8	465.6	464.8	465.6	464.8	465.3	466.7	465.3	464.8
17°	465.4	464.1	463.6	463.8	464.0	463.8	463.6	464.1	465.4	464.1	463.6
17.5°	463.3	462.7	462.5	462.8	462.8	462.8	462.5	462.7	463.3	462.7	462.5
18°	462.4	461.6	461.0	461.4	462.2	461.4	461.0	461.6	462.4	461.6	461.0
18.5°	461.8	459.7	458.7	459.9	460.7	459.9	458.7	459.7	461.8	459.7	458.7
19°	459.5	458.9	457.7	458.6	458.1	458.6	457.7	458.9	459.5	458.9	457.7
19.5°	457.5	456.9	456.4	457.4	456.8	457.4	456.4	456.9	457.5	456.9	456.4
20°	456.5	455.1	454.9	455.3	455.0	455.3	454.9	455.1	456.5	455.1	454.9
20.5°	455.6	453.4	453.2	453.7	453.6	453.7	453.2	453.4	455.6	453.4	453.2
21°	453.1	451.8	451.5	452.2	452.8	452.2	451.5	451.8	453.1	451.8	451.5



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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°	448.2	447.5	446.4	447.8	447.3	447.8	446.4	447.5	448.2	447.5	446.4
23°	446.5	445.0	445.0	445.5	444.9	445.5	445.0	445.0	446.5	445.0	445.0
23.5°	444.7	443.6	442.6	443.6	443.4	443.6	442.6	443.6	444.7	443.6	442.6
24°	443.5	441.9	441.1	441.7	441.5	441.7	441.1	441.9	443.5	441.9	441.1
24.5°	441.1	440.5	438.6	439.6	440.3	439.6	438.6	440.5	441.1	440.5	438.6
25°	439.1	437.9	436.8	437.3	438.2	437.3	436.8	437.9	439.1	437.9	436.8
25.5°	437.7	436.4	434.9	435.6	435.7	435.6	434.9	436.4	437.7	436.4	434.9
26°	434.5	433.9	433.0	433.5	433.6	433.5	433.0	433.9	434.5	433.9	433.0
26.5°	432.9	432.3	431.6	431.5	431.3	431.5	431.6	432.3	432.9	432.3	431.6
27°	431.1	429.6	428.3	429.3	429.4	429.3	428.3	429.6	431.1	429.6	428.3
27.5°	428.5	427.0	426.5	427.9	427.3	427.9	426.5	427.0	428.5	427.0	426.5
28°	426.9	425.7	424.5	426.0	425.5	426.0	424.5	425.7	426.9	425.7	424.5
28.5°	423.9	423.8	422.9	423.1	422.8	423.1	422.9	423.8	423.9	423.8	422.9
29°	422.0	421.7	420.6	421.2	421.4	421.2	420.6	421.7	422.0	421.7	420.6
29.5°	419.3	419.2	418.3	419.4	419.6	419.4	418.3	419.2	419.3	419.2	418.3
30°	417.5	417.4	415.6	417.1	416.9	417.1	415.6	417.4	417.5	417.4	415.6
30.5°	415.3	414.7	413.0	415.0	414.0	415.0	413.0	414.7	415.3	414.7	413.0
31°	413.0	412.3	410.9	412.1	412.2	412.1	410.9	412.3	413.0	412.3	410.9
31.5°	410.9	409.7	408.6	409.9	410.0	409.9	408.6	409.7	410.9	409.7	408.6
32°	408.2	407.3	406.5	407.1	407.0	407.1	406.5	407.3	408.2	407.3	406.5
32.5°	405.6	405.2	404.1	404.6	404.4	404.6	404.1	405.2	405.6	405.2	404.1
33°	403.0	402.8	402.0	402.3	401.9	402.3	402.0	402.8	403.0	402.8	402.0
33.5°	400.1	400.1	400.0	399.6	400.2	399.6	400.0	400.1	400.1	400.1	400.0
34°	398.2	397.2	397.1	397.2	398.0	397.2	397.1	397.2	398.2	397.2	397.1
34.5°	396.1	394.6	394.2	395.1	394.9	395.1	394.2	394.6	396.1	394.6	394.2
35°	393.4	391.7	391.7	392.2	391.9	392.2	391.7	391.7	393.4	391.7	391.7
35.5°	390.6	389.1	388.7	389.1	390.2	389.1	388.7	389.1	390.6	389.1	388.7
36°	387.9	387.0	386.2	386.3	386.4	386.3	386.2	387.0	387.9	387.0	386.2
36.5°	384.8	383.8	383.3	384.1	383.3	384.1	383.3	383.8	384.8	383.8	383.3
37°	382.0	381.1	380.5	381.2	381.0	381.2	380.5	381.1	382.0	381.1	380.5
37.5°	379.4	378.6	378.5	378.0	379.1	378.0	378.5	378.6	379.4	378.6	378.5
38°	377.1	375.5	375.4	375.2	375.9	375.2	375.4	375.5	377.1	375.5	375.4
38.5°	374.0	373.5	372.5	373.0	373.0	373.0	372.5	373.5	374.0	373.5	372.5
39°	370.7	370.3	369.8	370.0	369.4	370.0	369.8	370.3	370.7	370.3	369.8
39.5°	367.3	367.5	367.0	367.0	367.5	367.0	367.0	367.5	367.3	367.5	367.0
40°	365.7	364.3	364.0	364.1	364.2	364.1	364.0	364.3	365.7	364.3	364.0
40.5°	362.0	361.3	361.3	360.9	361.3	360.9	361.3	361.3	362.0	361.3	361.3
41°	358.9	358.4	358.3	358.1	357.6	358.1	358.3	358.4	358.9	358.4	358.3
41.5°	356.3	355.4	355.3	355.0	355.5	355.0	355.3	355.4	356.3	355.4	355.3
42°	353.3	352.4	352.3	351.8	351.8	351.8	352.3	352.4	353.3	352.4	352.3
42.5°	349.8	349.2	349.3	349.1	349.2	349.1	349.3	349.2	349.8	349.2	349.3
43°	346.6	345.7	345.9	346.0	345.9	346.0	345.9	345.7	346.6	345.7	345.9
43.5°	343.1	342.3	342.7	343.0	342.5	343.0	342.7	342.3	343.1	342.3	342.7



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CATALOG NUMBER: SMX6RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	334.2	333.6	332.8	333.2	334.1	333.2	332.8	333.6	334.2	333.6	332.8
45.5°	331.5	330.2	329.4	330.2	330.4	330.2	329.4	330.2	331.5	330.2	329.4
46°	327.9	327.1	326.3	326.9	327.1	326.9	326.3	327.1	327.9	327.1	326.3
46.5°	324.4	323.9	323.4	323.9	323.5	323.9	323.4	323.9	324.4	323.9	323.4
47°	321.0	320.3	320.2	320.3	319.9	320.3	320.2	320.3	321.0	320.3	320.2
47.5°	317.7	317.0	316.6	316.6	316.9	316.6	316.6	317.0	317.7	317.0	316.6
48°	314.0	313.9	313.1	313.9	314.0	313.9	313.1	313.9	314.0	313.9	313.1
48.5°	310.7	310.5	310.1	310.3	310.3	310.3	310.1	310.5	310.7	310.5	310.1
49°	307.7	306.9	306.0	306.9	306.5	306.9	306.0	306.9	307.7	306.9	306.0
49.5°	304.3	303.6	302.2	303.7	302.9	303.7	302.2	303.6	304.3	303.6	302.2
50°	300.9	300.1	299.1	300.1	300.0	300.1	299.1	300.1	300.9	300.1	299.1
50.5°	297.1	296.6	295.9	296.3	296.5	296.3	295.9	296.6	297.1	296.6	295.9
51°	293.4	292.9	292.3	292.7	293.3	292.7	292.3	292.9	293.4	292.9	292.3
51.5°	290.3	289.2	288.6	289.1	289.4	289.1	288.6	289.2	290.3	289.2	288.6
52°	286.5	285.5	285.0	285.5	285.7	285.5	285.0	285.5	286.5	285.5	285.0
52.5°	282.8	282.0	281.6	282.1	282.8	282.1	281.6	282.0	282.8	282.0	281.6
53°	279.0	278.3	278.0	278.6	279.4	278.6	278.0	278.3	279.0	278.3	278.0
53.5°	275.1	274.7	274.8	275.0	275.4	275.0	274.8	274.7	275.1	274.7	274.8
54°	271.8	271.0	271.2	271.2	271.5	271.2	271.2	271.0	271.8	271.0	271.2
54.5°	268.2	267.4	267.3	267.4	267.6	267.4	267.3	267.4	268.2	267.4	267.3
55°	264.5	263.8	263.4	263.5	263.8	263.5	263.4	263.8	264.5	263.8	263.4
55.5°	260.8	259.8	259.6	259.5	260.2	259.5	259.6	259.8	260.8	259.8	259.6
56°	256.9	256.1	255.7	255.8	256.5	255.8	255.7	256.1	256.9	256.1	255.7
56.5°	253.3	252.3	251.9	252.0	252.8	252.0	251.9	252.3	253.3	252.3	251.9
57°	249.1	248.3	248.1	248.4	248.4	248.4	248.1	248.3	249.1	248.3	248.1
57.5°	245.3	244.3	244.1	244.7	244.6	244.7	244.1	244.3	245.3	244.3	244.1
58°	241.6	240.7	240.3	241.0	240.9	241.0	240.3	240.7	241.6	240.7	240.3
58.5°	237.9	236.8	236.5	237.3	237.3	237.3	236.5	236.8	237.9	236.8	236.5
59°	234.0	233.1	232.6	233.3	233.2	233.3	232.6	233.1	234.0	233.1	232.6
59.5°	229.9	229.0	228.7	229.1	229.5	229.1	228.7	229.0	229.9	229.0	228.7
60°	225.9	225.1	224.5	225.0	225.6	225.0	224.5	225.1	225.9	225.1	224.5
60.5°	221.4	221.2	220.5	220.9	221.8	220.9	220.5	221.2	221.4	221.2	220.5
61°	217.4	217.2	216.7	216.7	217.8	216.7	216.7	217.2	217.4	217.2	216.7
61.5°	213.4	212.9	212.6	212.7	213.5	212.7	212.6	212.9	213.4	212.9	212.6
62°	209.5	209.1	208.5	208.6	209.3	208.6	208.5	209.1	209.5	209.1	208.5
62.5°	205.3	204.8	204.4	204.6	204.8	204.6	204.4	204.8	205.3	204.8	204.4
63°	201.3	200.7	200.2	200.8	200.6	200.8	200.2	200.7	201.3	200.7	200.2
63.5°	197.0	196.4	196.0	196.6	196.6	196.6	196.0	196.4	197.0	196.4	196.0
64°	192.3	192.5	192.1	192.6	192.6	192.6	192.1	192.5	192.3	192.5	192.1
64.5°	188.1	188.1	187.8	188.3	188.4	188.3	187.8	188.1	188.1	188.1	187.8
65°	184.2	183.7	183.8	184.1	184.2	184.1	183.8	183.7	184.2	183.7	183.8
65.5°	180.2	179.6	179.5	179.8	180.0	179.8	179.5	179.6	180.2	179.6	179.5
66°	176.1	175.7	175.1	175.5	175.7	175.5	175.1	175.7	176.1	175.7	175.1





TEST NUMBER: P938629

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	163.1	162.4	162.3	162.8	162.5	162.8	162.3	162.4	163.1	162.4	162.3
68°	158.7	158.3	158.1	158.4	158.3	158.4	158.1	158.3	158.7	158.3	158.1
68.5°	154.4	154.1	153.8	154.1	153.9	154.1	153.8	154.1	154.4	154.1	153.8
69°	149.8	149.8	149.5	149.5	149.8	149.5	149.5	149.8	149.8	149.8	149.5
69.5°	145.9	145.5	145.1	145.4	145.5	145.4	145.1	145.5	145.9	145.5	145.1
70°	141.8	141.3	140.8	141.0	141.2	141.0	140.8	141.3	141.8	141.3	140.8
70.5°	137.6	136.8	136.5	137.0	137.0	137.0	136.5	136.8	137.6	136.8	136.5
71°	133.1	132.5	132.1	132.5	132.5	132.5	132.1	132.5	133.1	132.5	132.1
71.5°	128.4	128.1	127.9	128.3	128.2	128.3	127.9	128.1	128.4	128.1	127.9
72°	124.2	123.6	123.7	124.1	123.8	124.1	123.7	123.6	124.2	123.6	123.7
72.5°	119.7	119.3	119.3	119.7	119.7	119.7	119.3	119.3	119.7	119.3	119.3
73°	115.1	114.8	114.8	115.4	115.3	115.4	114.8	114.8	115.1	114.8	114.8
73.5°	110.6	110.8	110.5	111.0	110.8	111.0	110.5	110.8	110.6	110.8	110.5
74°	106.3	106.4	106.2	106.6	106.7	106.6	106.2	106.4	106.3	106.4	106.2
74.5°	102.3	101.9	101.9	102.3	102.3	102.3	101.9	101.9	102.3	101.9	101.9
75°	98.0	97.6	97.5	97.8	98.1	97.8	97.5	97.6	98.0	97.6	97.5
75.5°	93.5	93.4	93.2	93.7	93.6	93.7	93.2	93.4	93.5	93.4	93.2
76°	89.1	89.1	89.1	89.3	89.6	89.3	89.1	89.1	89.1	89.1	89.1
76.5°	84.8	84.8	84.8	85.2	85.3	85.2	84.8	84.8	84.8	84.8	84.8
77°	80.6	80.5	80.6	81.0	81.1	81.0	80.6	80.5	80.6	80.5	80.6
77.5°	76.5	76.1	76.4	77.0	77.0	77.0	76.4	76.1	76.5	76.1	76.4
78°	72.4	72.1	72.4	72.9	73.2	72.9	72.4	72.1	72.4	72.1	72.4
78.5°	68.3	68.1	68.3	68.6	68.9	68.6	68.3	68.1	68.3	68.1	68.3
79°	64.2	64.0	64.3	64.7	64.8	64.7	64.3	64.0	64.2	64.0	64.3
79.5°	60.1	60.0	60.3	60.6	60.7	60.6	60.3	60.0	60.1	60.0	60.3
80°	56.2	56.1	56.3	56.6	56.7	56.6	56.3	56.1	56.2	56.1	56.3
80.5°	52.2	52.2	52.4	52.7	52.7	52.7	52.4	52.2	52.2	52.2	52.4
81°	48.4	48.4	48.6	48.9	48.9	48.9	48.6	48.4	48.4	48.4	48.6
81.5°	44.6	44.5	44.7	45.2	45.4	45.2	44.7	44.5	44.6	44.5	44.7
82°	40.6	40.8	41.1	41.6	41.8	41.6	41.1	40.8	40.6	40.8	41.1
82.5°	36.9	37.1	37.6	38.2	38.3	38.2	37.6	37.1	36.9	37.1	37.6
83°	33.3	33.6	34.1	34.8	35.2	34.8	34.1	33.6	33.3	33.6	34.1
83.5°	29.7	30.1	30.8	31.6	32.0	31.6	30.8	30.1	29.7	30.1	30.8
84°	26.5	27.0	27.7	28.4	28.8	28.4	27.7	27.0	26.5	27.0	27.7
84.5°	23.9	23.7	24.5	25.3	25.8	25.3	24.5	23.7	23.9	23.7	24.5
85°	20.7	20.9	21.5	22.3	23.0	22.3	21.5	20.9	20.7	20.9	21.5
85.5°	17.7	18.0	18.7	19.6	20.3	19.6	18.7	18.0	17.7	18.0	18.7
86°	15.1	15.4	16.2	17.1	17.9	17.1	16.2	15.4	15.1	15.4	16.2
86.5°	12.7	12.9	13.8	14.8	15.6	14.8	13.8	12.9	12.7	12.9	13.8
87°	10.2	10.7	11.7	12.8	13.6	12.8	11.7	10.7	10.2	10.7	11.7
87.5°	8.2	8.7	9.7	10.9	11.8	10.9	9.7	8.7	8.2	8.7	9.7
88°	6.6	7.0	8.0	9.1	10.1	9.1	8.0	7.0	6.6	7.0	8.0
88.5°	4.9	5.3	6.5	7.7	8.6	7.7	6.5	5.3	4.9	5.3	6.5



TEST NUMBER: P938629  
CATALOG NUMBER: SMX6RLSFSD2W-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: P938629

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	488.0	488.0	488.0	488.0	488.0	488.0
0.5°	488.1	488.0	488.1	486.8	487.7	489.5
1°	487.6	487.6	487.6	486.9	487.5	489.4
1.5°	487.9	487.4	487.9	487.4	487.6	488.8
2°	487.8	486.8	487.8	486.9	487.8	488.6
2.5°	488.0	487.4	488.0	486.4	487.2	487.8
3°	487.5	487.4	487.5	486.6	487.1	487.8
3.5°	486.9	487.2	486.9	486.2	486.8	488.1
4°	486.5	486.9	486.5	485.8	486.7	486.9
4.5°	486.2	486.4	486.2	485.6	486.0	486.5
5°	485.9	486.4	485.9	484.6	485.6	486.8
5.5°	485.6	486.2	485.6	484.1	485.1	486.7
6°	485.0	485.5	485.0	483.7	484.6	486.4
6.5°	483.9	485.3	483.9	483.1	484.2	485.1
7°	483.6	484.2	483.6	482.7	484.1	484.3
7.5°	482.9	483.1	482.9	482.4	483.6	483.5
8°	482.1	482.8	482.1	482.1	482.8	483.4
8.5°	481.7	482.7	481.7	481.4	482.0	482.7
9°	480.8	481.7	480.8	480.7	481.4	482.2
9.5°	480.1	480.9	480.1	479.1	480.6	481.4
10°	479.8	480.3	479.8	478.8	479.9	480.9
10.5°	478.6	479.3	478.6	477.5	478.8	478.4
11°	478.0	478.5	478.0	476.8	477.8	478.2
11.5°	476.9	477.8	476.9	476.0	477.6	477.2
12°	476.2	475.7	476.2	475.1	476.4	476.4
12.5°	474.6	474.9	474.6	473.5	475.5	475.0
13°	474.0	474.2	474.0	473.1	474.3	474.8
13.5°	473.2	473.3	473.2	472.0	473.7	473.7
14°	471.6	471.9	471.6	470.1	471.6	473.3
14.5°	470.8	470.9	470.8	469.4	471.0	471.6
15°	470.1	470.0	470.1	468.6	469.1	470.5
15.5°	468.7	467.7	468.7	467.2	467.7	469.4
16°	467.1	466.3	467.1	465.8	466.4	467.4
16.5°	465.6	464.8	465.6	464.8	465.3	466.7
17°	463.8	464.0	463.8	463.6	464.1	465.4
17.5°	462.8	462.8	462.8	462.5	462.7	463.3
18°	461.4	462.2	461.4	461.0	461.6	462.4
18.5°	459.9	460.7	459.9	458.7	459.7	461.8
19°	458.6	458.1	458.6	457.7	458.9	459.5
19.5°	457.4	456.8	457.4	456.4	456.9	457.5
20°	455.3	455.0	455.3	454.9	455.1	456.5
20.5°	453.7	453.6	453.7	453.2	453.4	455.6
21°	452.2	452.8	452.2	451.5	451.8	453.1



TEST NUMBER: P938629

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	447.8	447.3	447.8	446.4	447.5	448.2
23°	445.5	444.9	445.5	445.0	445.0	446.5
23.5°	443.6	443.4	443.6	442.6	443.6	444.7
24°	441.7	441.5	441.7	441.1	441.9	443.5
24.5°	439.6	440.3	439.6	438.6	440.5	441.1
25°	437.3	438.2	437.3	436.8	437.9	439.1
25.5°	435.6	435.7	435.6	434.9	436.4	437.7
26°	433.5	433.6	433.5	433.0	433.9	434.5
26.5°	431.5	431.3	431.5	431.6	432.3	432.9
27°	429.3	429.4	429.3	428.3	429.6	431.1
27.5°	427.9	427.3	427.9	426.5	427.0	428.5
28°	426.0	425.5	426.0	424.5	425.7	426.9
28.5°	423.1	422.8	423.1	422.9	423.8	423.9
29°	421.2	421.4	421.2	420.6	421.7	422.0
29.5°	419.4	419.6	419.4	418.3	419.2	419.3
30°	417.1	416.9	417.1	415.6	417.4	417.5
30.5°	415.0	414.0	415.0	413.0	414.7	415.3
31°	412.1	412.2	412.1	410.9	412.3	413.0
31.5°	409.9	410.0	409.9	408.6	409.7	410.9
32°	407.1	407.0	407.1	406.5	407.3	408.2
32.5°	404.6	404.4	404.6	404.1	405.2	405.6
33°	402.3	401.9	402.3	402.0	402.8	403.0
33.5°	399.6	400.2	399.6	400.0	400.1	400.1
34°	397.2	398.0	397.2	397.1	397.2	398.2
34.5°	395.1	394.9	395.1	394.2	394.6	396.1
35°	392.2	391.9	392.2	391.7	391.7	393.4
35.5°	389.1	390.2	389.1	388.7	389.1	390.6
36°	386.3	386.4	386.3	386.2	387.0	387.9
36.5°	384.1	383.3	384.1	383.3	383.8	384.8
37°	381.2	381.0	381.2	380.5	381.1	382.0
37.5°	378.0	379.1	378.0	378.5	378.6	379.4
38°	375.2	375.9	375.2	375.4	375.5	377.1
38.5°	373.0	373.0	373.0	372.5	373.5	374.0
39°	370.0	369.4	370.0	369.8	370.3	370.7
39.5°	367.0	367.5	367.0	367.0	367.5	367.3
40°	364.1	364.2	364.1	364.0	364.3	365.7
40.5°	360.9	361.3	360.9	361.3	361.3	362.0
41°	358.1	357.6	358.1	358.3	358.4	358.9
41.5°	355.0	355.5	355.0	355.3	355.4	356.3
42°	351.8	351.8	351.8	352.3	352.4	353.3
42.5°	349.1	349.2	349.1	349.3	349.2	349.8
43°	346.0	345.9	346.0	345.9	345.7	346.6
43.5°	343.0	342.5	343.0	342.7	342.3	343.1



TEST NUMBER: P938629

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	333.2	334.1	333.2	332.8	333.6	334.2
45.5°	330.2	330.4	330.2	329.4	330.2	331.5
46°	326.9	327.1	326.9	326.3	327.1	327.9
46.5°	323.9	323.5	323.9	323.4	323.9	324.4
47°	320.3	319.9	320.3	320.2	320.3	321.0
47.5°	316.6	316.9	316.6	316.6	317.0	317.7
48°	313.9	314.0	313.9	313.1	313.9	314.0
48.5°	310.3	310.3	310.3	310.1	310.5	310.7
49°	306.9	306.5	306.9	306.0	306.9	307.7
49.5°	303.7	302.9	303.7	302.2	303.6	304.3
50°	300.1	300.0	300.1	299.1	300.1	300.9
50.5°	296.3	296.5	296.3	295.9	296.6	297.1
51°	292.7	293.3	292.7	292.3	292.9	293.4
51.5°	289.1	289.4	289.1	288.6	289.2	290.3
52°	285.5	285.7	285.5	285.0	285.5	286.5
52.5°	282.1	282.8	282.1	281.6	282.0	282.8
53°	278.6	279.4	278.6	278.0	278.3	279.0
53.5°	275.0	275.4	275.0	274.8	274.7	275.1
54°	271.2	271.5	271.2	271.2	271.0	271.8
54.5°	267.4	267.6	267.4	267.3	267.4	268.2
55°	263.5	263.8	263.5	263.4	263.8	264.5
55.5°	259.5	260.2	259.5	259.6	259.8	260.8
56°	255.8	256.5	255.8	255.7	256.1	256.9
56.5°	252.0	252.8	252.0	251.9	252.3	253.3
57°	248.4	248.4	248.4	248.1	248.3	249.1
57.5°	244.7	244.6	244.7	244.1	244.3	245.3
58°	241.0	240.9	241.0	240.3	240.7	241.6
58.5°	237.3	237.3	237.3	236.5	236.8	237.9
59°	233.3	233.2	233.3	232.6	233.1	234.0
59.5°	229.1	229.5	229.1	228.7	229.0	229.9
60°	225.0	225.6	225.0	224.5	225.1	225.9
60.5°	220.9	221.8	220.9	220.5	221.2	221.4
61°	216.7	217.8	216.7	216.7	217.2	217.4
61.5°	212.7	213.5	212.7	212.6	212.9	213.4
62°	208.6	209.3	208.6	208.5	209.1	209.5
62.5°	204.6	204.8	204.6	204.4	204.8	205.3
63°	200.8	200.6	200.8	200.2	200.7	201.3
63.5°	196.6	196.6	196.6	196.0	196.4	197.0
64°	192.6	192.6	192.6	192.1	192.5	192.3
64.5°	188.3	188.4	188.3	187.8	188.1	188.1
65°	184.1	184.2	184.1	183.8	183.7	184.2
65.5°	179.8	180.0	179.8	179.5	179.6	180.2
66°	175.5	175.7	175.5	175.1	175.7	176.1



TEST NUMBER: P938629

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	162.8	162.5	162.8	162.3	162.4	163.1
68°	158.4	158.3	158.4	158.1	158.3	158.7
68.5°	154.1	153.9	154.1	153.8	154.1	154.4
69°	149.5	149.8	149.5	149.5	149.8	149.8
69.5°	145.4	145.5	145.4	145.1	145.5	145.9
70°	141.0	141.2	141.0	140.8	141.3	141.8
70.5°	137.0	137.0	137.0	136.5	136.8	137.6
71°	132.5	132.5	132.5	132.1	132.5	133.1
71.5°	128.3	128.2	128.3	127.9	128.1	128.4
72°	124.1	123.8	124.1	123.7	123.6	124.2
72.5°	119.7	119.7	119.7	119.3	119.3	119.7
73°	115.4	115.3	115.4	114.8	114.8	115.1
73.5°	111.0	110.8	111.0	110.5	110.8	110.6
74°	106.6	106.7	106.6	106.2	106.4	106.3
74.5°	102.3	102.3	102.3	101.9	101.9	102.3
75°	97.8	98.1	97.8	97.5	97.6	98.0
75.5°	93.7	93.6	93.7	93.2	93.4	93.5
76°	89.3	89.6	89.3	89.1	89.1	89.1
76.5°	85.2	85.3	85.2	84.8	84.8	84.8
77°	81.0	81.1	81.0	80.6	80.5	80.6
77.5°	77.0	77.0	77.0	76.4	76.1	76.5
78°	72.9	73.2	72.9	72.4	72.1	72.4
78.5°	68.6	68.9	68.6	68.3	68.1	68.3
79°	64.7	64.8	64.7	64.3	64.0	64.2
79.5°	60.6	60.7	60.6	60.3	60.0	60.1
80°	56.6	56.7	56.6	56.3	56.1	56.2
80.5°	52.7	52.7	52.7	52.4	52.2	52.2
81°	48.9	48.9	48.9	48.6	48.4	48.4
81.5°	45.2	45.4	45.2	44.7	44.5	44.6
82°	41.6	41.8	41.6	41.1	40.8	40.6
82.5°	38.2	38.3	38.2	37.6	37.1	36.9
83°	34.8	35.2	34.8	34.1	33.6	33.3
83.5°	31.6	32.0	31.6	30.8	30.1	29.7
84°	28.4	28.8	28.4	27.7	27.0	26.5
84.5°	25.3	25.8	25.3	24.5	23.7	23.9
85°	22.3	23.0	22.3	21.5	20.9	20.7
85.5°	19.6	20.3	19.6	18.7	18.0	17.7
86°	17.1	17.9	17.1	16.2	15.4	15.1
86.5°	14.8	15.6	14.8	13.8	12.9	12.7
87°	12.8	13.6	12.8	11.7	10.7	10.2
87.5°	10.9	11.8	10.9	9.7	8.7	8.2
88°	9.1	10.1	9.1	8.0	7.0	6.6
88.5°	7.7	8.6	7.7	6.5	5.3	4.9



TEST NUMBER: P938629  
CATALOG NUMBER: SMX6RLSFSD2W-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°	452.2	450.6	449.8	450.9	450.1	450.9	449.8	450.6	452.2	450.6	449.8
22°	450.6	448.8	448.5	449.0	448.1	449.0	448.5	448.8	450.6	448.8	448.5



44°	340.0	339.6	339.6	339.7	340.0	339.7	339.6	339.6	340.0	339.6	339.6
44.5°	337.0	336.7	336.4	336.6	337.3	336.6	336.4	336.7	337.0	336.7	336.4



66.5°	171.7	171.4	170.8	171.2	171.4	171.2	170.8	171.4	171.7	171.4	170.8
67°	167.5	166.8	166.6	166.9	166.8	166.9	166.6	166.8	167.5	166.8	166.6



89°	3.7	4.1	5.2	6.4	7.2	6.4	5.2	4.1	3.7	4.1	5.2
89.5°	2.6	3.1	4.0	5.1	6.0	5.1	4.0	3.1	2.6	3.1	4.0



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21.5°	450.9	450.1	450.9	449.8	450.6	452.2
22°	449.0	448.1	449.0	448.5	448.8	450.6



44°	339.7	340.0	339.7	339.6	339.6	340.0
44.5°	336.6	337.3	336.6	336.4	336.7	337.0



66.5°	171.2	171.4	171.2	170.8	171.4	171.7
67°	166.9	166.8	166.9	166.6	166.8	167.5

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89°	6.4	7.2	6.4	5.2	4.1	3.7
89.5°	5.1	6.0	5.1	4.0	3.1	2.6

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(END OF REPORT)