

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: P938630

Luminaire Tested: SMX6RLSFSD2W-1200LM-5000K

Issue Date: 1/9/2025



**Test Information**

Test Method: LM-79-2019  
Report Number: P938630  
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: SMX6RLSFSD2W-1200LM-5000K  
Description: 6IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 5000K CCT  
Ballast/Driver: -

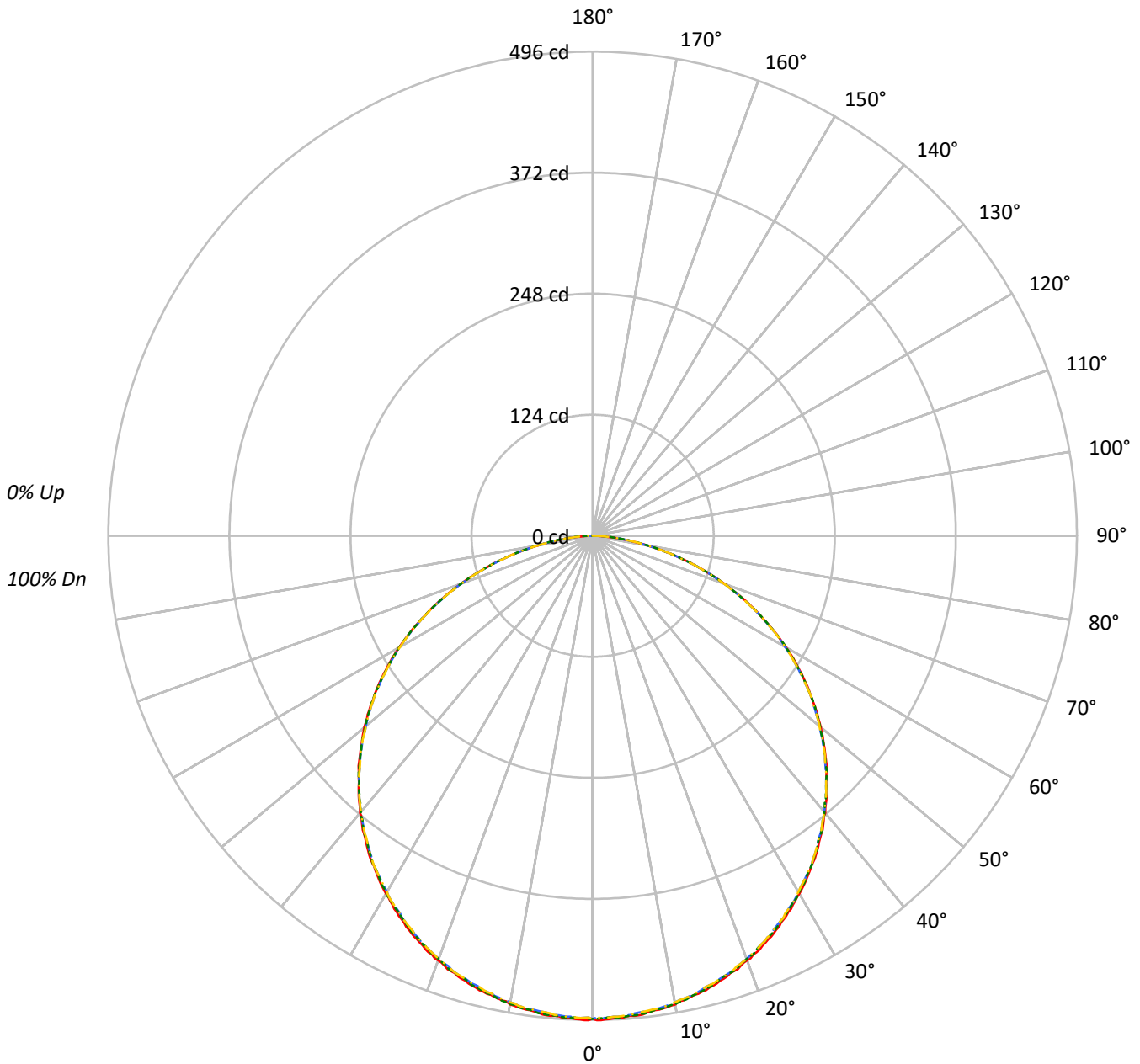
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1450.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 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): 13.9  
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: P938630  
CATALOG NUMBER: SMX6RLSFS2W-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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83	83	83	83	83	83		
	2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69	69	69	69	69	69		
	3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58	58	58	58	58	58		
	4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49	49	49	49	49	49		
	5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43	43	43	43	43	43		
	6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	37	37	37	37		
	7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33	33	33	33	33	33		
	8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29	29	29	29	29	29		
	9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26	26	26	26	26	26		
	10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24	24	24	24	24	24		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	27131	27131	27131	27131
5°	27163	27141	27163	27141
10°	27143	27115	27143	27115
15°	27077	27049	27077	27049
20°	27005	26917	27005	26917
25°	26935	26881	26935	26881
30°	26802	26757	26802	26757
35°	26696	26595	26696	26595
40°	26535	26428	26535	26428
45°	26274	26266	26274	26266
50°	26020	25944	26020	25944
55°	25633	25567	25633	25567
60°	25108	25075	25108	25075
65°	24218	24218	24218	24218
70°	23049	22953	23049	22953
75°	21033	21075	21033	21075
80°	17963	18153	17963	18153
85°	13209	14655	13209	14655

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 89.5°  
 Luminance: 38320 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	3.2
10°-20°	134.3	9.3
20°-30°	204.6	14.1
30°-40°	248.7	17.2
40°-50°	260.7	18.0
50°-60°	238.8	16.5
60°-70°	184.2	12.7
70°-80°	104.9	7.2
80°-90°	26.8	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°	385.8	26.6
0°-40°	634.5	43.8
0°-60°	1134.1	78.2
0°-90°	1450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1450.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	495	495	495	495	495	
5°	494	493	494	493	494	47
15°	477	477	477	477	477	135
25°	445	444	445	444	445	205
35°	399	397	399	397	399	249
45°	339	339	339	339	339	261
55°	268	268	268	268	268	240
65°	187	187	187	187	187	185
75°	99	100	99	100	99	105
85°	21	23	21	23	21	26
90°	0	0	0	0	0	



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CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9
0.5°	496.3	494.5	493.6	495.0	494.9	495.0	493.6	494.5	496.3	494.5	493.6
1°	496.2	494.3	493.7	494.4	494.4	494.4	493.7	494.3	496.2	494.3	493.7
1.5°	495.6	494.4	494.2	494.8	494.2	494.8	494.2	494.4	495.6	494.4	494.2
2°	495.5	494.7	493.7	494.7	493.6	494.7	493.7	494.7	495.5	494.7	493.7
2.5°	494.7	494.0	493.2	494.9	494.2	494.9	493.2	494.0	494.7	494.0	493.2
3°	494.7	493.9	493.4	494.3	494.2	494.3	493.4	493.9	494.7	493.9	493.4
3.5°	495.0	493.6	493.0	493.7	494.0	493.7	493.0	493.6	495.0	493.6	493.0
4°	493.7	493.5	492.6	493.3	493.7	493.3	492.6	493.5	493.7	493.5	492.6
4.5°	493.3	492.8	492.4	493.0	493.2	493.0	492.4	492.8	493.3	492.8	492.4
5°	493.6	492.4	491.3	492.7	493.2	492.7	491.3	492.4	493.6	492.4	491.3
5.5°	493.5	491.8	490.9	492.4	493.0	492.4	490.9	491.8	493.5	491.8	490.9
6°	493.2	491.3	490.5	491.7	492.3	491.7	490.5	491.3	493.2	491.3	490.5
6.5°	491.8	491.0	489.9	490.7	492.1	490.7	489.9	491.0	491.8	491.0	489.9
7°	491.1	490.9	489.5	490.4	491.0	490.4	489.5	490.9	491.1	490.9	489.5
7.5°	490.3	490.4	489.1	489.7	489.9	489.7	489.1	490.4	490.3	490.4	489.1
8°	490.2	489.6	488.8	488.8	489.6	488.8	488.8	489.6	490.2	489.6	488.8
8.5°	489.5	488.7	488.1	488.4	489.5	488.4	488.1	488.7	489.5	488.7	488.1
9°	488.9	488.1	487.4	487.5	488.4	487.5	487.4	488.1	488.9	488.1	487.4
9.5°	488.1	487.3	485.8	486.9	487.6	486.9	485.8	487.3	488.1	487.3	485.8
10°	487.6	486.7	485.5	486.5	487.1	486.5	485.5	486.7	487.6	486.7	485.5
10.5°	485.1	485.5	484.2	485.3	486.0	485.3	484.2	485.5	485.1	485.5	484.2
11°	484.9	484.5	483.4	484.7	485.2	484.7	483.4	484.5	484.9	484.5	483.4
11.5°	483.8	484.3	482.7	483.5	484.5	483.5	482.7	484.3	483.8	484.3	482.7
12°	483.0	483.0	481.8	482.9	482.4	482.9	481.8	483.0	483.0	483.0	481.8
12.5°	481.7	482.2	480.1	481.2	481.6	481.2	480.1	482.2	481.7	482.2	480.1
13°	481.5	480.9	479.7	480.6	480.8	480.6	479.7	480.9	481.5	480.9	479.7
13.5°	480.3	480.3	478.6	479.8	479.9	479.8	478.6	480.3	480.3	480.3	478.6
14°	479.9	478.2	476.7	478.2	478.5	478.2	476.7	478.2	479.9	478.2	476.7
14.5°	478.2	477.6	475.9	477.4	477.5	477.4	475.9	477.6	478.2	477.6	475.9
15°	477.1	475.6	475.1	476.7	476.6	476.7	475.1	475.6	477.1	475.6	475.1
15.5°	475.9	474.3	473.8	475.2	474.3	475.2	473.8	474.3	475.9	474.3	473.8
16°	474.0	472.9	472.3	473.7	472.8	473.7	472.3	472.9	474.0	472.9	472.3
16.5°	473.2	471.8	471.3	472.1	471.3	472.1	471.3	471.8	473.2	471.8	471.3
17°	471.9	470.5	470.1	470.3	470.4	470.3	470.1	470.5	471.9	470.5	470.1
17.5°	469.8	469.2	469.0	469.3	469.3	469.3	469.0	469.2	469.8	469.2	469.0
18°	468.9	468.0	467.4	467.8	468.7	467.8	467.4	468.0	468.9	468.0	467.4
18.5°	468.3	466.2	465.1	466.3	467.1	466.3	465.1	466.2	468.3	466.2	465.1
19°	466.0	465.3	464.1	465.0	464.5	465.0	464.1	465.3	466.0	465.3	464.1
19.5°	463.9	463.3	462.7	463.8	463.2	463.8	462.7	463.3	463.9	463.3	462.7
20°	462.9	461.5	461.3	461.7	461.4	461.7	461.3	461.5	462.9	461.5	461.3
20.5°	462.0	459.7	459.5	460.0	459.9	460.0	459.5	459.7	462.0	459.7	459.5
21°	459.4	458.1	457.9	458.5	459.1	458.5	457.9	458.1	459.4	458.1	457.9



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CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	454.4	453.7	452.7	454.0	453.6	454.0	452.7	453.7	454.4	453.7	452.7
23°	452.8	451.2	451.2	451.7	451.1	451.7	451.2	451.2	452.8	451.2	451.2
23.5°	450.9	449.8	448.8	449.8	449.6	449.8	448.8	449.8	450.9	449.8	448.8
24°	449.7	448.1	447.3	447.9	447.7	447.9	447.3	448.1	449.7	448.1	447.3
24.5°	447.3	446.6	444.8	445.7	446.4	445.7	444.8	446.6	447.3	446.6	444.8
25°	445.3	444.0	442.9	443.4	444.4	443.4	442.9	444.0	445.3	444.0	442.9
25.5°	443.8	442.5	441.0	441.7	441.8	441.7	441.0	442.5	443.8	442.5	441.0
26°	440.6	440.0	439.1	439.6	439.7	439.6	439.1	440.0	440.6	440.0	439.1
26.5°	439.0	438.3	437.6	437.5	437.3	437.5	437.6	438.3	439.0	438.3	437.6
27°	437.1	435.6	434.3	435.3	435.4	435.3	434.3	435.6	437.1	435.6	434.3
27.5°	434.5	432.9	432.5	433.9	433.2	433.9	432.5	432.9	434.5	432.9	432.5
28°	432.8	431.7	430.4	432.0	431.5	432.0	430.4	431.7	432.8	431.7	430.4
28.5°	429.8	429.7	428.8	429.0	428.7	429.0	428.8	429.7	429.8	429.7	428.8
29°	427.9	427.6	426.5	427.1	427.3	427.1	426.5	427.6	427.9	427.6	426.5
29.5°	425.1	425.0	424.2	425.2	425.4	425.2	424.2	425.0	425.1	425.0	424.2
30°	423.4	423.3	421.4	422.9	422.7	422.9	421.4	423.3	423.4	423.3	421.4
30.5°	421.1	420.5	418.8	420.8	419.8	420.8	418.8	420.5	421.1	420.5	418.8
31°	418.8	418.1	416.6	417.9	418.0	417.9	416.6	418.1	418.8	418.1	416.6
31.5°	416.6	415.5	414.3	415.7	415.8	415.7	414.3	415.5	416.6	415.5	414.3
32°	413.9	413.0	412.1	412.8	412.7	412.8	412.1	413.0	413.9	413.0	412.1
32.5°	411.3	410.9	409.8	410.3	410.1	410.3	409.8	410.9	411.3	410.9	409.8
33°	408.6	408.4	407.7	407.9	407.6	407.9	407.7	408.4	408.6	408.4	407.7
33.5°	405.7	405.7	405.6	405.2	405.8	405.2	405.6	405.7	405.7	405.7	405.6
34°	403.7	402.8	402.7	402.8	403.5	402.8	402.7	402.8	403.7	402.8	402.7
34.5°	401.6	400.1	399.7	400.6	400.4	400.6	399.7	400.1	401.6	400.1	399.7
35°	398.9	397.2	397.2	397.7	397.4	397.7	397.2	397.2	398.9	397.2	397.2
35.5°	396.0	394.6	394.2	394.6	395.6	394.6	394.2	394.6	396.0	394.6	394.2
36°	393.3	392.4	391.6	391.7	391.8	391.7	391.6	392.4	393.3	392.4	391.6
36.5°	390.2	389.2	388.7	389.5	388.7	389.5	388.7	389.2	390.2	389.2	388.7
37°	387.3	386.5	385.8	386.6	386.4	386.6	385.8	386.5	387.3	386.5	385.8
37.5°	384.7	383.9	383.8	383.3	384.4	383.3	383.8	383.9	384.7	383.9	383.8
38°	382.4	380.8	380.7	380.4	381.2	380.4	380.7	380.8	382.4	380.8	380.7
38.5°	379.2	378.7	377.7	378.3	378.3	378.3	377.7	378.7	379.2	378.7	377.7
39°	375.9	375.5	374.9	375.1	374.5	375.1	374.9	375.5	375.9	375.5	374.9
39.5°	372.4	372.7	372.1	372.1	372.7	372.1	372.1	372.7	372.4	372.7	372.1
40°	370.8	369.4	369.1	369.2	369.3	369.2	369.1	369.4	370.8	369.4	369.1
40.5°	367.0	366.3	366.3	365.9	366.3	365.9	366.3	366.3	367.0	366.3	366.3
41°	363.9	363.4	363.3	363.1	362.6	363.1	363.3	363.4	363.9	363.4	363.3
41.5°	361.3	360.4	360.3	360.0	360.5	360.0	360.3	360.4	361.3	360.4	360.3
42°	358.2	357.4	357.3	356.8	356.8	356.8	357.3	357.4	358.2	357.4	357.3
42.5°	354.7	354.1	354.2	353.9	354.1	353.9	354.2	354.1	354.7	354.1	354.2
43°	351.5	350.5	350.7	350.8	350.7	350.8	350.7	350.5	351.5	350.5	350.7
43.5°	347.9	347.1	347.5	347.8	347.3	347.8	347.5	347.1	347.9	347.1	347.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	338.9	338.3	337.4	337.8	338.8	337.8	337.4	338.3	338.9	338.3	337.4
45.5°	336.2	334.8	334.0	334.8	335.0	334.8	334.0	334.8	336.2	334.8	334.0
46°	332.4	331.7	330.9	331.5	331.7	331.5	330.9	331.7	332.4	331.7	330.9
46.5°	328.9	328.4	328.0	328.4	328.1	328.4	328.0	328.4	328.9	328.4	328.0
47°	325.5	324.7	324.6	324.7	324.3	324.7	324.6	324.7	325.5	324.7	324.6
47.5°	322.1	321.4	321.0	321.0	321.3	321.0	321.0	321.4	322.1	321.4	321.0
48°	318.4	318.3	317.5	318.3	318.4	318.3	317.5	318.3	318.4	318.3	317.5
48.5°	315.1	314.9	314.5	314.7	314.7	314.7	314.5	314.9	315.1	314.9	314.5
49°	312.0	311.2	310.3	311.2	310.8	311.2	310.3	311.2	312.0	311.2	310.3
49.5°	308.5	307.8	306.5	307.9	307.2	307.9	306.5	307.8	308.5	307.8	306.5
50°	305.1	304.3	303.2	304.3	304.2	304.3	303.2	304.3	305.1	304.3	303.2
50.5°	301.3	300.7	300.0	300.4	300.6	300.4	300.0	300.7	301.3	300.7	300.0
51°	297.5	297.0	296.4	296.8	297.4	296.8	296.4	297.0	297.5	297.0	296.4
51.5°	294.4	293.3	292.6	293.2	293.5	293.2	292.6	293.3	294.4	293.3	292.6
52°	290.6	289.5	289.0	289.5	289.7	289.5	289.0	289.5	290.6	289.5	289.0
52.5°	286.7	286.0	285.6	286.1	286.7	286.1	285.6	286.0	286.7	286.0	285.6
53°	282.9	282.2	281.9	282.5	283.3	282.5	281.9	282.2	282.9	282.2	281.9
53.5°	278.9	278.5	278.6	278.8	279.2	278.8	278.6	278.5	278.9	278.5	278.6
54°	275.6	274.8	275.0	275.0	275.3	275.0	275.0	274.8	275.6	274.8	275.0
54.5°	272.0	271.1	271.0	271.1	271.3	271.1	271.0	271.1	272.0	271.1	271.0
55°	268.2	267.5	267.1	267.2	267.5	267.2	267.1	267.5	268.2	267.5	267.1
55.5°	264.5	263.4	263.2	263.1	263.8	263.1	263.2	263.4	264.5	263.4	263.2
56°	260.5	259.7	259.3	259.4	260.1	259.4	259.3	259.7	260.5	259.7	259.3
56.5°	256.9	255.8	255.4	255.5	256.4	255.5	255.4	255.8	256.9	255.8	255.4
57°	252.6	251.8	251.6	251.9	251.9	251.9	251.6	251.8	252.6	251.8	251.6
57.5°	248.8	247.7	247.5	248.2	248.1	248.2	247.5	247.7	248.8	247.7	247.5
58°	244.9	244.1	243.7	244.4	244.3	244.4	243.7	244.1	244.9	244.1	243.7
58.5°	241.2	240.2	239.8	240.6	240.6	240.6	239.8	240.2	241.2	240.2	239.8
59°	237.2	236.3	235.9	236.5	236.4	236.5	235.9	236.3	237.2	236.3	235.9
59.5°	233.1	232.2	231.9	232.3	232.7	232.3	231.9	232.2	233.1	232.2	231.9
60°	229.0	228.2	227.7	228.1	228.7	228.1	227.7	228.2	229.0	228.2	227.7
60.5°	224.5	224.3	223.6	223.9	224.9	223.9	223.6	224.3	224.5	224.3	223.6
61°	220.4	220.2	219.7	219.7	220.8	219.7	219.7	220.2	220.4	220.2	219.7
61.5°	216.4	215.8	215.5	215.6	216.5	215.6	215.5	215.8	216.4	215.8	215.5
62°	212.4	212.0	211.4	211.5	212.2	211.5	211.4	212.0	212.4	212.0	211.4
62.5°	208.1	207.6	207.2	207.4	207.6	207.4	207.2	207.6	208.1	207.6	207.2
63°	204.1	203.5	203.0	203.6	203.4	203.6	203.0	203.5	204.1	203.5	203.0
63.5°	199.7	199.1	198.7	199.3	199.3	199.3	198.7	199.1	199.7	199.1	198.7
64°	195.0	195.2	194.7	195.3	195.3	195.3	194.7	195.2	195.0	195.2	194.7
64.5°	190.7	190.7	190.4	190.9	191.0	190.9	190.4	190.7	190.7	190.7	190.4
65°	186.7	186.2	186.3	186.6	186.7	186.6	186.3	186.2	186.7	186.2	186.3
65.5°	182.7	182.1	182.0	182.3	182.5	182.3	182.0	182.1	182.7	182.1	182.0
66°	178.5	178.1	177.6	177.9	178.1	177.9	177.6	178.1	178.5	178.1	177.6





TEST NUMBER: P938630

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	165.3	164.7	164.6	165.1	164.8	165.1	164.6	164.7	165.3	164.7	164.6
68°	161.0	160.6	160.3	160.7	160.6	160.7	160.3	160.6	161.0	160.6	160.3
68.5°	156.6	156.3	156.0	156.3	156.1	156.3	156.0	156.3	156.6	156.3	156.0
69°	151.9	151.9	151.6	151.6	151.9	151.6	151.6	151.9	151.9	151.9	151.6
69.5°	148.0	147.6	147.1	147.5	147.6	147.5	147.1	147.6	148.0	147.6	147.1
70°	143.8	143.3	142.8	143.0	143.2	143.0	142.8	143.3	143.8	143.3	142.8
70.5°	139.6	138.7	138.4	138.9	138.9	138.9	138.4	138.7	139.6	138.7	138.4
71°	135.0	134.4	134.0	134.4	134.4	134.4	134.0	134.4	135.0	134.4	134.0
71.5°	130.2	129.9	129.7	130.1	130.0	130.1	129.7	129.9	130.2	129.9	129.7
72°	125.9	125.3	125.4	125.8	125.5	125.8	125.4	125.3	125.9	125.3	125.4
72.5°	121.4	121.0	121.0	121.4	121.4	121.4	121.0	121.0	121.4	121.0	121.0
73°	116.7	116.4	116.4	117.0	116.9	117.0	116.4	116.4	116.7	116.4	116.4
73.5°	112.1	112.3	112.0	112.5	112.3	112.5	112.0	112.3	112.1	112.3	112.0
74°	107.8	107.9	107.7	108.1	108.2	108.1	107.7	107.9	107.8	107.9	107.7
74.5°	103.7	103.3	103.3	103.7	103.7	103.7	103.3	103.3	103.7	103.3	103.3
75°	99.3	98.9	98.8	99.1	99.5	99.1	98.8	98.9	99.3	98.9	98.8
75.5°	94.8	94.7	94.5	95.0	94.9	95.0	94.5	94.7	94.8	94.7	94.5
76°	90.3	90.3	90.3	90.5	90.8	90.5	90.3	90.3	90.3	90.3	90.3
76.5°	85.9	85.9	85.9	86.4	86.5	86.4	85.9	85.9	85.9	85.9	85.9
77°	81.7	81.6	81.7	82.1	82.2	82.1	81.7	81.6	81.7	81.6	81.7
77.5°	77.5	77.2	77.4	78.0	78.0	78.0	77.4	77.2	77.5	77.2	77.4
78°	73.4	73.2	73.4	73.9	74.2	73.9	73.4	73.2	73.4	73.2	73.4
78.5°	69.2	69.0	69.2	69.5	69.8	69.5	69.2	69.0	69.2	69.0	69.2
79°	65.1	64.8	65.2	65.6	65.7	65.6	65.2	64.8	65.1	64.8	65.2
79.5°	60.9	60.8	61.1	61.4	61.5	61.4	61.1	60.8	60.9	60.8	61.1
80°	56.9	56.8	57.1	57.4	57.5	57.4	57.1	56.8	56.9	56.8	57.1
80.5°	52.9	52.9	53.1	53.4	53.4	53.4	53.1	52.9	52.9	52.9	53.1
81°	49.0	49.0	49.3	49.6	49.6	49.6	49.3	49.0	49.0	49.0	49.3
81.5°	45.2	45.1	45.3	45.8	46.0	45.8	45.3	45.1	45.2	45.1	45.3
82°	41.2	41.4	41.7	42.2	42.4	42.2	41.7	41.4	41.2	41.4	41.7
82.5°	37.4	37.6	38.1	38.8	38.9	38.8	38.1	37.6	37.4	37.6	38.1
83°	33.8	34.1	34.6	35.3	35.6	35.3	34.6	34.1	33.8	34.1	34.6
83.5°	30.1	30.6	31.3	32.0	32.4	32.0	31.3	30.6	30.1	30.6	31.3
84°	26.9	27.3	28.1	28.8	29.2	28.8	28.1	27.3	26.9	27.3	28.1
84.5°	24.2	24.0	24.8	25.7	26.2	25.7	24.8	24.0	24.2	24.0	24.8
85°	21.0	21.2	21.8	22.7	23.3	22.7	21.8	21.2	21.0	21.2	21.8
85.5°	18.0	18.3	18.9	19.8	20.6	19.8	18.9	18.3	18.0	18.3	18.9
86°	15.3	15.6	16.4	17.4	18.2	17.4	16.4	15.6	15.3	15.6	16.4
86.5°	12.9	13.1	14.0	15.0	15.8	15.0	14.0	13.1	12.9	13.1	14.0
87°	10.4	10.8	11.8	13.0	13.8	13.0	11.8	10.8	10.4	10.8	11.8
87.5°	8.3	8.8	9.9	11.0	12.0	11.0	9.9	8.8	8.3	8.8	9.9
88°	6.7	7.1	8.1	9.2	10.3	9.2	8.1	7.1	6.7	7.1	8.1
88.5°	5.0	5.4	6.5	7.8	8.7	7.8	6.5	5.4	5.0	5.4	6.5



TEST NUMBER: P938630  
CATALOG NUMBER: SMX6RLSFS2W-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: P938630

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	494.9	494.9	494.9	494.9	494.9	494.9
0.5°	495.0	494.9	495.0	493.6	494.5	496.3
1°	494.4	494.4	494.4	493.7	494.3	496.2
1.5°	494.8	494.2	494.8	494.2	494.4	495.6
2°	494.7	493.6	494.7	493.7	494.7	495.5
2.5°	494.9	494.2	494.9	493.2	494.0	494.7
3°	494.3	494.2	494.3	493.4	493.9	494.7
3.5°	493.7	494.0	493.7	493.0	493.6	495.0
4°	493.3	493.7	493.3	492.6	493.5	493.7
4.5°	493.0	493.2	493.0	492.4	492.8	493.3
5°	492.7	493.2	492.7	491.3	492.4	493.6
5.5°	492.4	493.0	492.4	490.9	491.8	493.5
6°	491.7	492.3	491.7	490.5	491.3	493.2
6.5°	490.7	492.1	490.7	489.9	491.0	491.8
7°	490.4	491.0	490.4	489.5	490.9	491.1
7.5°	489.7	489.9	489.7	489.1	490.4	490.3
8°	488.8	489.6	488.8	488.8	489.6	490.2
8.5°	488.4	489.5	488.4	488.1	488.7	489.5
9°	487.5	488.4	487.5	487.4	488.1	488.9
9.5°	486.9	487.6	486.9	485.8	487.3	488.1
10°	486.5	487.1	486.5	485.5	486.7	487.6
10.5°	485.3	486.0	485.3	484.2	485.5	485.1
11°	484.7	485.2	484.7	483.4	484.5	484.9
11.5°	483.5	484.5	483.5	482.7	484.3	483.8
12°	482.9	482.4	482.9	481.8	483.0	483.0
12.5°	481.2	481.6	481.2	480.1	482.2	481.7
13°	480.6	480.8	480.6	479.7	480.9	481.5
13.5°	479.8	479.9	479.8	478.6	480.3	480.3
14°	478.2	478.5	478.2	476.7	478.2	479.9
14.5°	477.4	477.5	477.4	475.9	477.6	478.2
15°	476.7	476.6	476.7	475.1	475.6	477.1
15.5°	475.2	474.3	475.2	473.8	474.3	475.9
16°	473.7	472.8	473.7	472.3	472.9	474.0
16.5°	472.1	471.3	472.1	471.3	471.8	473.2
17°	470.3	470.4	470.3	470.1	470.5	471.9
17.5°	469.3	469.3	469.3	469.0	469.2	469.8
18°	467.8	468.7	467.8	467.4	468.0	468.9
18.5°	466.3	467.1	466.3	465.1	466.2	468.3
19°	465.0	464.5	465.0	464.1	465.3	466.0
19.5°	463.8	463.2	463.8	462.7	463.3	463.9
20°	461.7	461.4	461.7	461.3	461.5	462.9
20.5°	460.0	459.9	460.0	459.5	459.7	462.0
21°	458.5	459.1	458.5	457.9	458.1	459.4



TEST NUMBER: P938630

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	454.0	453.6	454.0	452.7	453.7	454.4
23°	451.7	451.1	451.7	451.2	451.2	452.8
23.5°	449.8	449.6	449.8	448.8	449.8	450.9
24°	447.9	447.7	447.9	447.3	448.1	449.7
24.5°	445.7	446.4	445.7	444.8	446.6	447.3
25°	443.4	444.4	443.4	442.9	444.0	445.3
25.5°	441.7	441.8	441.7	441.0	442.5	443.8
26°	439.6	439.7	439.6	439.1	440.0	440.6
26.5°	437.5	437.3	437.5	437.6	438.3	439.0
27°	435.3	435.4	435.3	434.3	435.6	437.1
27.5°	433.9	433.2	433.9	432.5	432.9	434.5
28°	432.0	431.5	432.0	430.4	431.7	432.8
28.5°	429.0	428.7	429.0	428.8	429.7	429.8
29°	427.1	427.3	427.1	426.5	427.6	427.9
29.5°	425.2	425.4	425.2	424.2	425.0	425.1
30°	422.9	422.7	422.9	421.4	423.3	423.4
30.5°	420.8	419.8	420.8	418.8	420.5	421.1
31°	417.9	418.0	417.9	416.6	418.1	418.8
31.5°	415.7	415.8	415.7	414.3	415.5	416.6
32°	412.8	412.7	412.8	412.1	413.0	413.9
32.5°	410.3	410.1	410.3	409.8	410.9	411.3
33°	407.9	407.6	407.9	407.7	408.4	408.6
33.5°	405.2	405.8	405.2	405.6	405.7	405.7
34°	402.8	403.5	402.8	402.7	402.8	403.7
34.5°	400.6	400.4	400.6	399.7	400.1	401.6
35°	397.7	397.4	397.7	397.2	397.2	398.9
35.5°	394.6	395.6	394.6	394.2	394.6	396.0
36°	391.7	391.8	391.7	391.6	392.4	393.3
36.5°	389.5	388.7	389.5	388.7	389.2	390.2
37°	386.6	386.4	386.6	385.8	386.5	387.3
37.5°	383.3	384.4	383.3	383.8	383.9	384.7
38°	380.4	381.2	380.4	380.7	380.8	382.4
38.5°	378.3	378.3	378.3	377.7	378.7	379.2
39°	375.1	374.5	375.1	374.9	375.5	375.9
39.5°	372.1	372.7	372.1	372.1	372.7	372.4
40°	369.2	369.3	369.2	369.1	369.4	370.8
40.5°	365.9	366.3	365.9	366.3	366.3	367.0
41°	363.1	362.6	363.1	363.3	363.4	363.9
41.5°	360.0	360.5	360.0	360.3	360.4	361.3
42°	356.8	356.8	356.8	357.3	357.4	358.2
42.5°	353.9	354.1	353.9	354.2	354.1	354.7
43°	350.8	350.7	350.8	350.7	350.5	351.5
43.5°	347.8	347.3	347.8	347.5	347.1	347.9

TEST NUMBER: P938630

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	337.8	338.8	337.8	337.4	338.3	338.9
45.5°	334.8	335.0	334.8	334.0	334.8	336.2
46°	331.5	331.7	331.5	330.9	331.7	332.4
46.5°	328.4	328.1	328.4	328.0	328.4	328.9
47°	324.7	324.3	324.7	324.6	324.7	325.5
47.5°	321.0	321.3	321.0	321.0	321.4	322.1
48°	318.3	318.4	318.3	317.5	318.3	318.4
48.5°	314.7	314.7	314.7	314.5	314.9	315.1
49°	311.2	310.8	311.2	310.3	311.2	312.0
49.5°	307.9	307.2	307.9	306.5	307.8	308.5
50°	304.3	304.2	304.3	303.2	304.3	305.1
50.5°	300.4	300.6	300.4	300.0	300.7	301.3
51°	296.8	297.4	296.8	296.4	297.0	297.5
51.5°	293.2	293.5	293.2	292.6	293.3	294.4
52°	289.5	289.7	289.5	289.0	289.5	290.6
52.5°	286.1	286.7	286.1	285.6	286.0	286.7
53°	282.5	283.3	282.5	281.9	282.2	282.9
53.5°	278.8	279.2	278.8	278.6	278.5	278.9
54°	275.0	275.3	275.0	275.0	274.8	275.6
54.5°	271.1	271.3	271.1	271.0	271.1	272.0
55°	267.2	267.5	267.2	267.1	267.5	268.2
55.5°	263.1	263.8	263.1	263.2	263.4	264.5
56°	259.4	260.1	259.4	259.3	259.7	260.5
56.5°	255.5	256.4	255.5	255.4	255.8	256.9
57°	251.9	251.9	251.9	251.6	251.8	252.6
57.5°	248.2	248.1	248.2	247.5	247.7	248.8
58°	244.4	244.3	244.4	243.7	244.1	244.9
58.5°	240.6	240.6	240.6	239.8	240.2	241.2
59°	236.5	236.4	236.5	235.9	236.3	237.2
59.5°	232.3	232.7	232.3	231.9	232.2	233.1
60°	228.1	228.7	228.1	227.7	228.2	229.0
60.5°	223.9	224.9	223.9	223.6	224.3	224.5
61°	219.7	220.8	219.7	219.7	220.2	220.4
61.5°	215.6	216.5	215.6	215.5	215.8	216.4
62°	211.5	212.2	211.5	211.4	212.0	212.4
62.5°	207.4	207.6	207.4	207.2	207.6	208.1
63°	203.6	203.4	203.6	203.0	203.5	204.1
63.5°	199.3	199.3	199.3	198.7	199.1	199.7
64°	195.3	195.3	195.3	194.7	195.2	195.0
64.5°	190.9	191.0	190.9	190.4	190.7	190.7
65°	186.6	186.7	186.6	186.3	186.2	186.7
65.5°	182.3	182.5	182.3	182.0	182.1	182.7
66°	177.9	178.1	177.9	177.6	178.1	178.5



TEST NUMBER: P938630

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	165.1	164.8	165.1	164.6	164.7	165.3
68°	160.7	160.6	160.7	160.3	160.6	161.0
68.5°	156.3	156.1	156.3	156.0	156.3	156.6
69°	151.6	151.9	151.6	151.6	151.9	151.9
69.5°	147.5	147.6	147.5	147.1	147.6	148.0
70°	143.0	143.2	143.0	142.8	143.3	143.8
70.5°	138.9	138.9	138.9	138.4	138.7	139.6
71°	134.4	134.4	134.4	134.0	134.4	135.0
71.5°	130.1	130.0	130.1	129.7	129.9	130.2
72°	125.8	125.5	125.8	125.4	125.3	125.9
72.5°	121.4	121.4	121.4	121.0	121.0	121.4
73°	117.0	116.9	117.0	116.4	116.4	116.7
73.5°	112.5	112.3	112.5	112.0	112.3	112.1
74°	108.1	108.2	108.1	107.7	107.9	107.8
74.5°	103.7	103.7	103.7	103.3	103.3	103.7
75°	99.1	99.5	99.1	98.8	98.9	99.3
75.5°	95.0	94.9	95.0	94.5	94.7	94.8
76°	90.5	90.8	90.5	90.3	90.3	90.3
76.5°	86.4	86.5	86.4	85.9	85.9	85.9
77°	82.1	82.2	82.1	81.7	81.6	81.7
77.5°	78.0	78.0	78.0	77.4	77.2	77.5
78°	73.9	74.2	73.9	73.4	73.2	73.4
78.5°	69.5	69.8	69.5	69.2	69.0	69.2
79°	65.6	65.7	65.6	65.2	64.8	65.1
79.5°	61.4	61.5	61.4	61.1	60.8	60.9
80°	57.4	57.5	57.4	57.1	56.8	56.9
80.5°	53.4	53.4	53.4	53.1	52.9	52.9
81°	49.6	49.6	49.6	49.3	49.0	49.0
81.5°	45.8	46.0	45.8	45.3	45.1	45.2
82°	42.2	42.4	42.2	41.7	41.4	41.2
82.5°	38.8	38.9	38.8	38.1	37.6	37.4
83°	35.3	35.6	35.3	34.6	34.1	33.8
83.5°	32.0	32.4	32.0	31.3	30.6	30.1
84°	28.8	29.2	28.8	28.1	27.3	26.9
84.5°	25.7	26.2	25.7	24.8	24.0	24.2
85°	22.7	23.3	22.7	21.8	21.2	21.0
85.5°	19.8	20.6	19.8	18.9	18.3	18.0
86°	17.4	18.2	17.4	16.4	15.6	15.3
86.5°	15.0	15.8	15.0	14.0	13.1	12.9
87°	13.0	13.8	13.0	11.8	10.8	10.4
87.5°	11.0	12.0	11.0	9.9	8.8	8.3
88°	9.2	10.3	9.2	8.1	7.1	6.7
88.5°	7.8	8.7	7.8	6.5	5.4	5.0



TEST NUMBER: P938630  
CATALOG NUMBER: SMX6RLSFSD2W-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°	458.5	456.9	456.1	457.2	456.4	457.2	456.1	456.9	458.5	456.9	456.1
22°	456.9	455.1	454.7	455.3	454.3	455.3	454.7	455.1	456.9	455.1	454.7



44°	344.8	344.4	344.4	344.5	344.8	344.5	344.4	344.4	344.8	344.4	344.4
44.5°	341.7	341.4	341.1	341.3	342.0	341.3	341.1	341.4	341.7	341.4	341.1



66.5°	174.1	173.8	173.2	173.5	173.8	173.5	173.2	173.8	174.1	173.8	173.2
67°	169.8	169.2	169.0	169.3	169.2	169.3	169.0	169.2	169.8	169.2	169.0



89°	3.7	4.2	5.3	6.4	7.3	6.4	5.3	4.2	3.7	4.2	5.3
89.5°	2.6	3.1	4.1	5.2	6.1	5.2	4.1	3.1	2.6	3.1	4.1



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21.5°	457.2	456.4	457.2	456.1	456.9	458.5
22°	455.3	454.3	455.3	454.7	455.1	456.9



44°	344.5	344.8	344.5	344.4	344.4	344.8
44.5°	341.3	342.0	341.3	341.1	341.4	341.7



66.5°	173.5	173.8	173.5	173.2	173.8	174.1
67°	169.3	169.2	169.3	169.0	169.2	169.8

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89°	6.4	7.3	6.4	5.3	4.2	3.7
89.5°	5.2	6.1	5.2	4.1	3.1	2.6

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Scaled Data Report



(END OF REPORT)