

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: P938639

Luminaire Tested: SMX6RLSFSD2W-900LM-4000K

Issue Date: 1/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P938639  
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-900LM-4000K  
Description: 6IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 4000K CCT  
Ballast/Driver: -

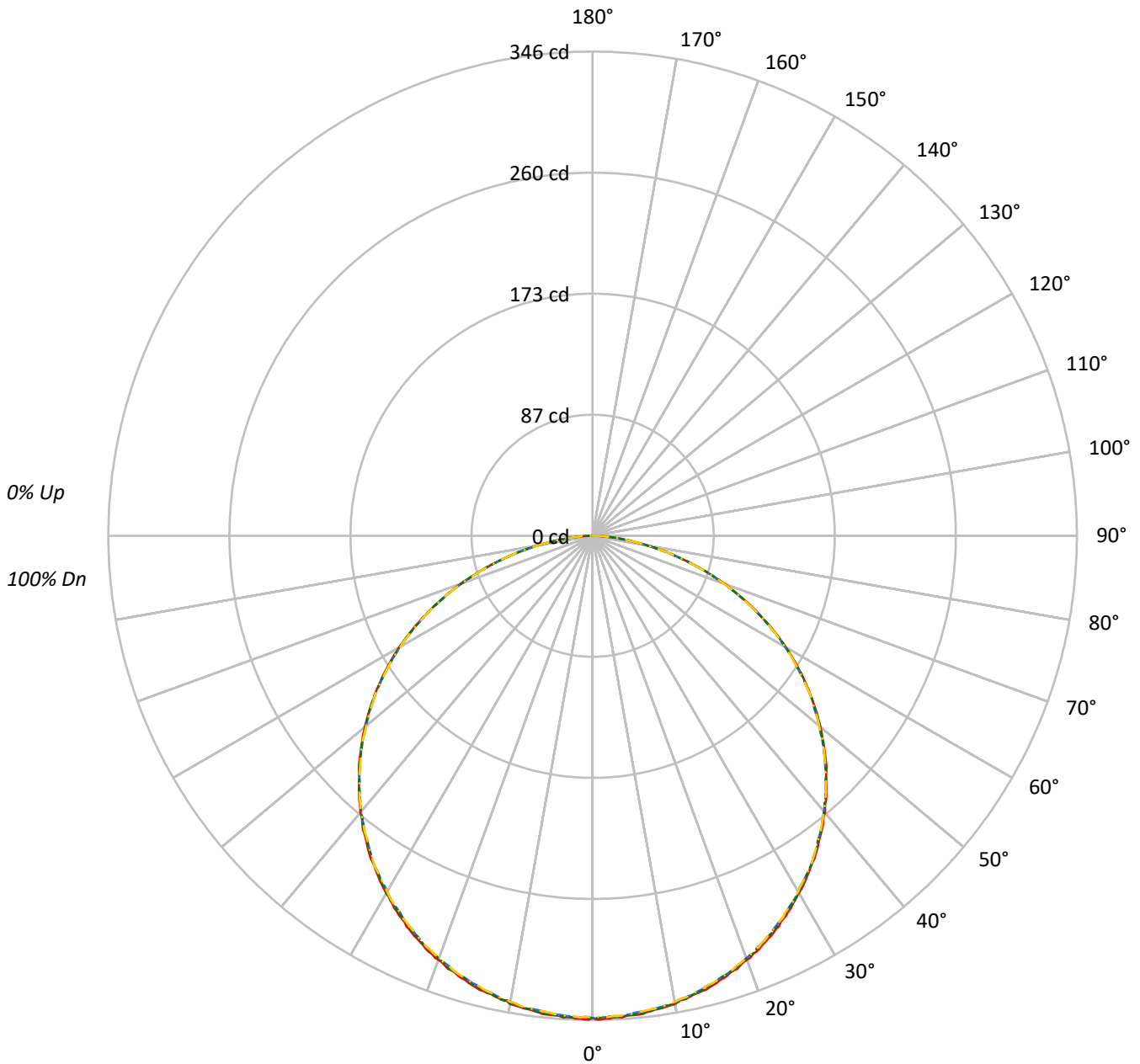
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1010.1 lumens  
Efficiency: N/A  
Efficacy: 105.2 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): 9.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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-900LM-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°	18897	18897	18897	18897
5°	18925	18908	18925	18908
10°	18910	18887	18910	18887
15°	18865	18842	18865	18842
20°	18808	18750	18808	18750
25°	18763	18727	18763	18727
30°	18667	18642	18667	18642
35°	18598	18524	18598	18524
40°	18485	18413	18485	18413
45°	18304	18296	18304	18296
50°	18123	18072	18123	18072
55°	17854	17806	17854	17806
60°	17499	17466	17499	17466
65°	16876	16876	16876	16876
70°	16060	15996	16060	15996
75°	14657	14678	14657	14678
80°	12533	12628	12533	12628
85°	9183	10190	9183	10190

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 89.5°  
 Luminance: 27013 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.6	3.2
10°-20°	93.6	9.3
20°-30°	142.6	14.1
30°-40°	173.3	17.2
40°-50°	181.6	18.0
50°-60°	166.4	16.5
60°-70°	128.3	12.7
70°-80°	73.1	7.2
80°-90°	18.7	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°	268.7	26.6
0°-40°	442.0	43.8
0°-60°	790.0	78.2
0°-90°	1010.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	345	345	345	345	345	
5°	344	344	344	344	344	33
15°	332	332	332	332	332	94
25°	310	310	310	310	310	143
35°	278	277	278	277	278	174
45°	236	236	236	236	236	182
55°	187	186	187	186	187	167
65°	130	130	130	130	130	129
75°	69	69	69	69	69	73
85°	15	16	15	16	15	18
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°	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7
0.5°	345.8	344.5	343.9	344.8	344.7	344.8	343.9	344.5	345.8	344.5	343.9
1°	345.7	344.4	343.9	344.4	344.4	344.4	343.9	344.4	345.7	344.4	343.9
1.5°	345.2	344.4	344.3	344.7	344.3	344.7	344.3	344.4	345.2	344.4	344.3
2°	345.2	344.6	343.9	344.6	343.9	344.6	343.9	344.6	345.2	344.6	343.9
2.5°	344.6	344.2	343.6	344.7	344.3	344.7	343.6	344.2	344.6	344.2	343.6
3°	344.6	344.1	343.7	344.4	344.3	344.4	343.7	344.1	344.6	344.1	343.7
3.5°	344.8	343.9	343.4	343.9	344.2	343.9	343.4	343.9	344.8	343.9	343.4
4°	343.9	343.8	343.1	343.7	343.9	343.7	343.1	343.8	343.9	343.8	343.1
4.5°	343.7	343.3	343.0	343.4	343.6	343.4	343.0	343.3	343.7	343.3	343.0
5°	343.9	343.0	342.3	343.2	343.6	343.2	342.3	343.0	343.9	343.0	342.3
5.5°	343.8	342.6	342.0	343.0	343.4	343.0	342.0	342.6	343.8	342.6	342.0
6°	343.6	342.3	341.7	342.6	342.9	342.6	341.7	342.3	343.6	342.3	341.7
6.5°	342.6	342.1	341.3	341.8	342.8	341.8	341.3	342.1	342.6	342.1	341.3
7°	342.1	342.0	341.0	341.6	342.1	341.6	341.0	342.0	342.1	342.0	341.0
7.5°	341.6	341.6	340.8	341.1	341.3	341.1	340.8	341.6	341.6	341.6	340.8
8°	341.5	341.0	340.5	340.5	341.0	340.5	340.5	341.0	341.5	341.0	340.5
8.5°	341.0	340.5	340.0	340.2	341.0	340.2	340.0	340.5	341.0	340.5	340.0
9°	340.6	340.0	339.5	339.6	340.2	339.6	339.5	340.0	340.6	340.0	339.5
9.5°	340.0	339.5	338.4	339.2	339.7	339.2	338.4	339.5	340.0	339.5	338.4
10°	339.7	339.0	338.2	338.9	339.3	338.9	338.2	339.0	339.7	339.0	338.2
10.5°	337.9	338.2	337.3	338.1	338.6	338.1	337.3	338.2	337.9	338.2	337.3
11°	337.8	337.5	336.8	337.6	338.0	337.6	336.8	337.5	337.8	337.5	336.8
11.5°	337.1	337.4	336.3	336.8	337.5	336.8	336.3	337.4	337.1	337.4	336.3
12°	336.5	336.5	335.6	336.4	336.0	336.4	335.6	336.5	336.5	336.5	335.6
12.5°	335.5	335.9	334.5	335.3	335.5	335.3	334.5	335.9	335.5	335.9	334.5
13°	335.4	335.0	334.2	334.8	335.0	334.8	334.2	335.0	335.4	335.0	334.2
13.5°	334.6	334.6	333.4	334.2	334.3	334.2	333.4	334.6	334.6	334.6	333.4
14°	334.3	333.2	332.1	333.2	333.4	333.2	332.1	333.2	334.3	333.2	332.1
14.5°	333.2	332.7	331.6	332.6	332.6	332.6	331.6	332.7	333.2	332.7	331.6
15°	332.4	331.3	331.0	332.1	332.0	332.1	331.0	331.3	332.4	331.3	331.0
15.5°	331.6	330.4	330.0	331.1	330.4	331.1	330.0	330.4	331.6	330.4	330.0
16°	330.2	329.5	329.0	330.0	329.4	330.0	329.0	329.5	330.2	329.5	329.0
16.5°	329.7	328.7	328.3	328.9	328.3	328.9	328.3	328.7	329.7	328.7	328.3
17°	328.7	327.8	327.5	327.7	327.7	327.7	327.5	327.8	328.7	327.8	327.5
17.5°	327.3	326.9	326.7	326.9	326.9	326.9	326.7	326.9	327.3	326.9	326.7
18°	326.6	326.1	325.6	325.9	326.5	325.9	325.6	326.1	326.6	326.1	325.6
18.5°	326.2	324.8	324.0	324.8	325.4	324.8	324.0	324.8	326.2	324.8	324.0
19°	324.6	324.2	323.3	324.0	323.6	324.0	323.3	324.2	324.6	324.2	323.3
19.5°	323.2	322.7	322.4	323.1	322.7	323.1	322.4	322.7	323.2	322.7	322.4
20°	322.4	321.5	321.4	321.6	321.4	321.6	321.4	321.5	322.4	321.5	321.4
20.5°	321.9	320.3	320.1	320.5	320.4	320.5	320.1	320.3	321.9	320.3	320.1
21°	320.1	319.1	319.0	319.4	319.8	319.4	319.0	319.1	320.1	319.1	319.0



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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°	316.6	316.1	315.3	316.3	316.0	316.3	315.3	316.1	316.6	316.1	315.3
23°	315.4	314.3	314.3	314.7	314.3	314.7	314.3	314.3	315.4	314.3	314.3
23.5°	314.1	313.3	312.7	313.3	313.2	313.3	312.7	313.3	314.1	313.3	312.7
24°	313.2	312.2	311.6	312.0	311.9	312.0	311.6	312.2	313.2	312.2	311.6
24.5°	311.6	311.1	309.8	310.5	311.0	310.5	309.8	311.1	311.6	311.1	309.8
25°	310.2	309.3	308.5	308.9	309.6	308.9	308.5	309.3	310.2	309.3	308.5
25.5°	309.2	308.3	307.2	307.7	307.7	307.7	307.2	308.3	309.2	308.3	307.2
26°	306.9	306.5	305.9	306.2	306.3	306.2	305.9	306.5	306.9	306.5	305.9
26.5°	305.8	305.4	304.8	304.8	304.6	304.8	304.8	305.4	305.8	305.4	304.8
27°	304.5	303.5	302.5	303.3	303.3	303.3	302.5	303.5	304.5	303.5	302.5
27.5°	302.7	301.6	301.3	302.2	301.8	302.2	301.3	301.6	302.7	301.6	301.3
28°	301.5	300.7	299.9	300.9	300.6	300.9	299.9	300.7	301.5	300.7	299.9
28.5°	299.4	299.3	298.7	298.8	298.6	298.8	298.7	299.3	299.4	299.3	298.7
29°	298.1	297.9	297.1	297.5	297.7	297.5	297.1	297.9	298.1	297.9	297.1
29.5°	296.2	296.1	295.5	296.2	296.4	296.2	295.5	296.1	296.2	296.1	295.5
30°	294.9	294.9	293.6	294.6	294.5	294.6	293.6	294.9	294.9	294.9	293.6
30.5°	293.3	292.9	291.7	293.1	292.5	293.1	291.7	292.9	293.3	292.9	291.7
31°	291.7	291.2	290.2	291.1	291.2	291.1	290.2	291.2	291.7	291.2	290.2
31.5°	290.2	289.4	288.6	289.6	289.6	289.6	288.6	289.4	290.2	289.4	288.6
32°	288.3	287.7	287.1	287.5	287.5	287.5	287.1	287.7	288.3	287.7	287.1
32.5°	286.5	286.2	285.4	285.8	285.7	285.8	285.4	286.2	286.5	286.2	285.4
33°	284.7	284.5	284.0	284.1	283.9	284.1	284.0	284.5	284.7	284.5	284.0
33.5°	282.6	282.6	282.6	282.3	282.7	282.3	282.6	282.6	282.6	282.6	282.6
34°	281.2	280.6	280.5	280.6	281.1	280.6	280.5	280.6	281.2	280.6	280.5
34.5°	279.8	278.7	278.4	279.1	278.9	279.1	278.4	278.7	279.8	278.7	278.4
35°	277.9	276.7	276.7	277.0	276.8	277.0	276.7	276.7	277.9	276.7	276.7
35.5°	275.9	274.9	274.6	274.9	275.6	274.9	274.6	274.9	275.9	274.9	274.6
36°	274.0	273.4	272.8	272.9	272.9	272.9	272.8	273.4	274.0	273.4	272.8
36.5°	271.8	271.1	270.8	271.3	270.8	271.3	270.8	271.1	271.8	271.1	270.8
37°	269.8	269.2	268.8	269.3	269.2	269.3	268.8	269.2	269.8	269.2	268.8
37.5°	268.0	267.4	267.3	267.0	267.8	267.0	267.3	267.4	268.0	267.4	267.3
38°	266.4	265.2	265.2	265.0	265.5	265.0	265.2	265.2	266.4	265.2	265.2
38.5°	264.2	263.8	263.1	263.5	263.5	263.5	263.1	263.8	264.2	263.8	263.1
39°	261.8	261.6	261.2	261.3	260.9	261.3	261.2	261.6	261.8	261.6	261.2
39.5°	259.5	259.6	259.2	259.2	259.6	259.2	259.2	259.6	259.5	259.6	259.2
40°	258.3	257.4	257.1	257.2	257.3	257.2	257.1	257.4	258.3	257.4	257.1
40.5°	255.7	255.2	255.2	254.9	255.2	254.9	255.2	255.2	255.7	255.2	255.2
41°	253.5	253.2	253.1	252.9	252.6	252.9	253.1	253.2	253.5	253.2	253.1
41.5°	251.7	251.1	251.0	250.8	251.1	250.8	251.0	251.1	251.7	251.1	251.0
42°	249.5	249.0	248.9	248.5	248.5	248.5	248.9	249.0	249.5	249.0	248.9
42.5°	247.1	246.6	246.7	246.6	246.6	246.6	246.7	246.6	247.1	246.6	246.7
43°	244.8	244.2	244.3	244.4	244.3	244.4	244.3	244.2	244.8	244.2	244.3
43.5°	242.4	241.8	242.1	242.3	241.9	242.3	242.1	241.8	242.4	241.8	242.1



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CATALOG NUMBER: SMX6RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	236.1	235.6	235.1	235.4	236.0	235.4	235.1	235.6	236.1	235.6	235.1
45.5°	234.2	233.3	232.7	233.3	233.4	233.3	232.7	233.3	234.2	233.3	232.7
46°	231.6	231.1	230.5	230.9	231.1	230.9	230.5	231.1	231.6	231.1	230.5
46.5°	229.1	228.8	228.5	228.8	228.5	228.8	228.5	228.8	229.1	228.8	228.5
47°	226.7	226.2	226.2	226.2	225.9	226.2	226.2	226.2	226.7	226.2	226.2
47.5°	224.4	223.9	223.6	223.6	223.8	223.6	223.6	223.9	224.4	223.9	223.6
48°	221.8	221.7	221.2	221.7	221.8	221.7	221.2	221.7	221.8	221.7	221.2
48.5°	219.5	219.4	219.1	219.2	219.2	219.2	219.1	219.4	219.5	219.4	219.1
49°	217.3	216.8	216.2	216.8	216.5	216.8	216.2	216.8	217.3	216.8	216.2
49.5°	214.9	214.4	213.5	214.5	214.0	214.5	213.5	214.4	214.9	214.4	213.5
50°	212.5	212.0	211.2	212.0	211.9	212.0	211.2	212.0	212.5	212.0	211.2
50.5°	209.9	209.5	209.0	209.3	209.4	209.3	209.0	209.5	209.9	209.5	209.0
51°	207.3	206.9	206.5	206.8	207.2	206.8	206.5	206.9	207.3	206.9	206.5
51.5°	205.1	204.3	203.9	204.2	204.4	204.2	203.9	204.3	205.1	204.3	203.9
52°	202.4	201.7	201.3	201.7	201.8	201.7	201.3	201.7	202.4	201.7	201.3
52.5°	199.7	199.2	198.9	199.3	199.7	199.3	198.9	199.2	199.7	199.2	198.9
53°	197.1	196.6	196.4	196.8	197.3	196.8	196.4	196.6	197.1	196.6	196.4
53.5°	194.3	194.0	194.1	194.2	194.5	194.2	194.1	194.0	194.3	194.0	194.1
54°	192.0	191.4	191.6	191.6	191.8	191.6	191.6	191.4	192.0	191.4	191.6
54.5°	189.5	188.9	188.8	188.9	189.0	188.9	188.8	188.9	189.5	188.9	188.8
55°	186.8	186.3	186.1	186.1	186.3	186.1	186.1	186.3	186.8	186.3	186.1
55.5°	184.2	183.5	183.4	183.3	183.8	183.3	183.4	183.5	184.2	183.5	183.4
56°	181.5	180.9	180.6	180.7	181.2	180.7	180.6	180.9	181.5	180.9	180.6
56.5°	179.0	178.2	177.9	178.0	178.6	178.0	177.9	178.2	179.0	178.2	177.9
57°	176.0	175.4	175.3	175.5	175.5	175.5	175.3	175.4	176.0	175.4	175.3
57.5°	173.3	172.6	172.4	172.9	172.8	172.9	172.4	172.6	173.3	172.6	172.4
58°	170.6	170.1	169.8	170.3	170.2	170.3	169.8	170.1	170.6	170.1	169.8
58.5°	168.0	167.3	167.1	167.6	167.6	167.6	167.1	167.3	168.0	167.3	167.1
59°	165.3	164.6	164.3	164.8	164.7	164.8	164.3	164.6	165.3	164.6	164.3
59.5°	162.4	161.7	161.6	161.8	162.1	161.8	161.6	161.7	162.4	161.7	161.6
60°	159.6	159.0	158.6	158.9	159.3	158.9	158.6	159.0	159.6	159.0	158.6
60.5°	156.4	156.2	155.8	156.0	156.7	156.0	155.8	156.2	156.4	156.2	155.8
61°	153.5	153.4	153.0	153.0	153.8	153.0	153.0	153.4	153.5	153.4	153.0
61.5°	150.7	150.4	150.1	150.2	150.8	150.2	150.1	150.4	150.7	150.4	150.1
62°	148.0	147.7	147.2	147.3	147.8	147.3	147.2	147.7	148.0	147.7	147.2
62.5°	145.0	144.6	144.4	144.5	144.6	144.5	144.4	144.6	145.0	144.6	144.4
63°	142.2	141.7	141.4	141.8	141.7	141.8	141.4	141.7	142.2	141.7	141.4
63.5°	139.1	138.7	138.4	138.9	138.9	138.9	138.4	138.7	139.1	138.7	138.4
64°	135.8	136.0	135.7	136.0	136.0	136.0	135.7	136.0	135.8	136.0	135.7
64.5°	132.8	132.8	132.6	133.0	133.1	133.0	132.6	132.8	132.8	132.8	132.6
65°	130.1	129.7	129.8	130.0	130.1	130.0	129.8	129.7	130.1	129.7	129.8
65.5°	127.3	126.8	126.8	127.0	127.1	127.0	126.8	126.8	127.3	126.8	126.8
66°	124.4	124.1	123.7	123.9	124.1	123.9	123.7	124.1	124.4	124.1	123.7





TEST NUMBER: P938639

CATALOG NUMBER: SMX6RLSFS2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	115.2	114.7	114.7	115.0	114.8	115.0	114.7	114.7	115.2	114.7	114.7
68°	112.1	111.8	111.7	111.9	111.8	111.9	111.7	111.8	112.1	111.8	111.7
68.5°	109.1	108.9	108.7	108.9	108.7	108.9	108.7	108.9	109.1	108.9	108.7
69°	105.8	105.8	105.6	105.6	105.8	105.6	105.6	105.8	105.8	105.8	105.6
69.5°	103.1	102.8	102.5	102.7	102.8	102.7	102.5	102.8	103.1	102.8	102.5
70°	100.2	99.8	99.5	99.6	99.8	99.6	99.5	99.8	100.2	99.8	99.5
70.5°	97.2	96.6	96.4	96.8	96.8	96.8	96.4	96.6	97.2	96.6	96.4
71°	94.0	93.6	93.3	93.6	93.6	93.6	93.3	93.6	94.0	93.6	93.3
71.5°	90.7	90.5	90.3	90.6	90.6	90.6	90.3	90.5	90.7	90.5	90.3
72°	87.7	87.3	87.4	87.7	87.5	87.7	87.4	87.3	87.7	87.3	87.4
72.5°	84.6	84.3	84.3	84.6	84.6	84.6	84.3	84.3	84.6	84.3	84.3
73°	81.3	81.1	81.1	81.5	81.4	81.5	81.1	81.1	81.3	81.1	81.1
73.5°	78.1	78.3	78.0	78.4	78.3	78.4	78.0	78.3	78.1	78.3	78.0
74°	75.1	75.1	75.0	75.3	75.4	75.3	75.0	75.1	75.1	75.1	75.0
74.5°	72.2	72.0	72.0	72.2	72.2	72.2	72.0	72.0	72.2	72.0	72.0
75°	69.2	68.9	68.8	69.1	69.3	69.1	68.8	68.9	69.2	68.9	68.8
75.5°	66.0	66.0	65.8	66.2	66.1	66.2	65.8	66.0	66.0	66.0	65.8
76°	62.9	62.9	62.9	63.1	63.3	63.1	62.9	62.9	62.9	62.9	62.9
76.5°	59.9	59.9	59.9	60.2	60.2	60.2	59.9	59.9	59.9	59.9	59.9
77°	56.9	56.8	56.9	57.2	57.3	57.2	56.9	56.8	56.9	56.8	56.9
77.5°	54.0	53.8	53.9	54.4	54.4	54.4	53.9	53.8	54.0	53.8	53.9
78°	51.1	51.0	51.1	51.5	51.7	51.5	51.1	51.0	51.1	51.0	51.1
78.5°	48.2	48.1	48.2	48.4	48.6	48.4	48.2	48.1	48.2	48.1	48.2
79°	45.3	45.2	45.4	45.7	45.8	45.7	45.4	45.2	45.3	45.2	45.4
79.5°	42.4	42.4	42.6	42.8	42.9	42.8	42.6	42.4	42.4	42.4	42.6
80°	39.7	39.6	39.7	40.0	40.0	40.0	39.7	39.6	39.7	39.6	39.7
80.5°	36.8	36.8	37.0	37.2	37.2	37.2	37.0	36.8	36.8	36.8	37.0
81°	34.2	34.2	34.3	34.5	34.5	34.5	34.3	34.2	34.2	34.2	34.3
81.5°	31.5	31.4	31.6	31.9	32.1	31.9	31.6	31.4	31.5	31.4	31.6
82°	28.7	28.8	29.0	29.4	29.5	29.4	29.0	28.8	28.7	28.8	29.0
82.5°	26.1	26.2	26.6	27.0	27.1	27.0	26.6	26.2	26.1	26.2	26.6
83°	23.5	23.7	24.1	24.6	24.8	24.6	24.1	23.7	23.5	23.7	24.1
83.5°	21.0	21.3	21.8	22.3	22.6	22.3	21.8	21.3	21.0	21.3	21.8
84°	18.7	19.0	19.5	20.1	20.3	20.1	19.5	19.0	18.7	19.0	19.5
84.5°	16.9	16.7	17.3	17.9	18.2	17.9	17.3	16.7	16.9	16.7	17.3
85°	14.6	14.8	15.2	15.8	16.2	15.8	15.2	14.8	14.6	14.8	15.2
85.5°	12.5	12.7	13.2	13.8	14.3	13.8	13.2	12.7	12.5	12.7	13.2
86°	10.6	10.9	11.4	12.1	12.7	12.1	11.4	10.9	10.6	10.9	11.4
86.5°	9.0	9.1	9.8	10.4	11.0	10.4	9.8	9.1	9.0	9.1	9.8
87°	7.2	7.5	8.3	9.0	9.6	9.0	8.3	7.5	7.2	7.5	8.3
87.5°	5.8	6.2	6.9	7.7	8.3	7.7	6.9	6.2	5.8	6.2	6.9
88°	4.6	4.9	5.6	6.4	7.2	6.4	5.6	4.9	4.6	4.9	5.6
88.5°	3.5	3.8	4.6	5.4	6.1	5.4	4.6	3.8	3.5	3.8	4.6



TEST NUMBER: P938639  
CATALOG NUMBER: SMX6RLSFS2W-900LM-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: P938639

CATALOG NUMBER: SMX6RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	344.7	344.7	344.7	344.7	344.7	344.7
0.5°	344.8	344.7	344.8	343.9	344.5	345.8
1°	344.4	344.4	344.4	343.9	344.4	345.7
1.5°	344.7	344.3	344.7	344.3	344.4	345.2
2°	344.6	343.9	344.6	343.9	344.6	345.2
2.5°	344.7	344.3	344.7	343.6	344.2	344.6
3°	344.4	344.3	344.4	343.7	344.1	344.6
3.5°	343.9	344.2	343.9	343.4	343.9	344.8
4°	343.7	343.9	343.7	343.1	343.8	343.9
4.5°	343.4	343.6	343.4	343.0	343.3	343.7
5°	343.2	343.6	343.2	342.3	343.0	343.9
5.5°	343.0	343.4	343.0	342.0	342.6	343.8
6°	342.6	342.9	342.6	341.7	342.3	343.6
6.5°	341.8	342.8	341.8	341.3	342.1	342.6
7°	341.6	342.1	341.6	341.0	342.0	342.1
7.5°	341.1	341.3	341.1	340.8	341.6	341.6
8°	340.5	341.0	340.5	340.5	341.0	341.5
8.5°	340.2	341.0	340.2	340.0	340.5	341.0
9°	339.6	340.2	339.6	339.5	340.0	340.6
9.5°	339.2	339.7	339.2	338.4	339.5	340.0
10°	338.9	339.3	338.9	338.2	339.0	339.7
10.5°	338.1	338.6	338.1	337.3	338.2	337.9
11°	337.6	338.0	337.6	336.8	337.5	337.8
11.5°	336.8	337.5	336.8	336.3	337.4	337.1
12°	336.4	336.0	336.4	335.6	336.5	336.5
12.5°	335.3	335.5	335.3	334.5	335.9	335.5
13°	334.8	335.0	334.8	334.2	335.0	335.4
13.5°	334.2	334.3	334.2	333.4	334.6	334.6
14°	333.2	333.4	333.2	332.1	333.2	334.3
14.5°	332.6	332.6	332.6	331.6	332.7	333.2
15°	332.1	332.0	332.1	331.0	331.3	332.4
15.5°	331.1	330.4	331.1	330.0	330.4	331.6
16°	330.0	329.4	330.0	329.0	329.5	330.2
16.5°	328.9	328.3	328.9	328.3	328.7	329.7
17°	327.7	327.7	327.7	327.5	327.8	328.7
17.5°	326.9	326.9	326.9	326.7	326.9	327.3
18°	325.9	326.5	325.9	325.6	326.1	326.6
18.5°	324.8	325.4	324.8	324.0	324.8	326.2
19°	324.0	323.6	324.0	323.3	324.2	324.6
19.5°	323.1	322.7	323.1	322.4	322.7	323.2
20°	321.6	321.4	321.6	321.4	321.5	322.4
20.5°	320.5	320.4	320.5	320.1	320.3	321.9
21°	319.4	319.8	319.4	319.0	319.1	320.1



TEST NUMBER: P938639

CATALOG NUMBER: SMX6RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	316.3	316.0	316.3	315.3	316.1	316.6
23°	314.7	314.3	314.7	314.3	314.3	315.4
23.5°	313.3	313.2	313.3	312.7	313.3	314.1
24°	312.0	311.9	312.0	311.6	312.2	313.2
24.5°	310.5	311.0	310.5	309.8	311.1	311.6
25°	308.9	309.6	308.9	308.5	309.3	310.2
25.5°	307.7	307.7	307.7	307.2	308.3	309.2
26°	306.2	306.3	306.2	305.9	306.5	306.9
26.5°	304.8	304.6	304.8	304.8	305.4	305.8
27°	303.3	303.3	303.3	302.5	303.5	304.5
27.5°	302.2	301.8	302.2	301.3	301.6	302.7
28°	300.9	300.6	300.9	299.9	300.7	301.5
28.5°	298.8	298.6	298.8	298.7	299.3	299.4
29°	297.5	297.7	297.5	297.1	297.9	298.1
29.5°	296.2	296.4	296.2	295.5	296.1	296.2
30°	294.6	294.5	294.6	293.6	294.9	294.9
30.5°	293.1	292.5	293.1	291.7	292.9	293.3
31°	291.1	291.2	291.1	290.2	291.2	291.7
31.5°	289.6	289.6	289.6	288.6	289.4	290.2
32°	287.5	287.5	287.5	287.1	287.7	288.3
32.5°	285.8	285.7	285.8	285.4	286.2	286.5
33°	284.1	283.9	284.1	284.0	284.5	284.7
33.5°	282.3	282.7	282.3	282.6	282.6	282.6
34°	280.6	281.1	280.6	280.5	280.6	281.2
34.5°	279.1	278.9	279.1	278.4	278.7	279.8
35°	277.0	276.8	277.0	276.7	276.7	277.9
35.5°	274.9	275.6	274.9	274.6	274.9	275.9
36°	272.9	272.9	272.9	272.8	273.4	274.0
36.5°	271.3	270.8	271.3	270.8	271.1	271.8
37°	269.3	269.2	269.3	268.8	269.2	269.8
37.5°	267.0	267.8	267.0	267.3	267.4	268.0
38°	265.0	265.5	265.0	265.2	265.2	266.4
38.5°	263.5	263.5	263.5	263.1	263.8	264.2
39°	261.3	260.9	261.3	261.2	261.6	261.8
39.5°	259.2	259.6	259.2	259.2	259.6	259.5
40°	257.2	257.3	257.2	257.1	257.4	258.3
40.5°	254.9	255.2	254.9	255.2	255.2	255.7
41°	252.9	252.6	252.9	253.1	253.2	253.5
41.5°	250.8	251.1	250.8	251.0	251.1	251.7
42°	248.5	248.5	248.5	248.9	249.0	249.5
42.5°	246.6	246.6	246.6	246.7	246.6	247.1
43°	244.4	244.3	244.4	244.3	244.2	244.8
43.5°	242.3	241.9	242.3	242.1	241.8	242.4



TEST NUMBER: P938639

CATALOG NUMBER: SMX6RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	235.4	236.0	235.4	235.1	235.6	236.1
45.5°	233.3	233.4	233.3	232.7	233.3	234.2
46°	230.9	231.1	230.9	230.5	231.1	231.6
46.5°	228.8	228.5	228.8	228.5	228.8	229.1
47°	226.2	225.9	226.2	226.2	226.2	226.7
47.5°	223.6	223.8	223.6	223.6	223.9	224.4
48°	221.7	221.8	221.7	221.2	221.7	221.8
48.5°	219.2	219.2	219.2	219.1	219.4	219.5
49°	216.8	216.5	216.8	216.2	216.8	217.3
49.5°	214.5	214.0	214.5	213.5	214.4	214.9
50°	212.0	211.9	212.0	211.2	212.0	212.5
50.5°	209.3	209.4	209.3	209.0	209.5	209.9
51°	206.8	207.2	206.8	206.5	206.9	207.3
51.5°	204.2	204.4	204.2	203.9	204.3	205.1
52°	201.7	201.8	201.7	201.3	201.7	202.4
52.5°	199.3	199.7	199.3	198.9	199.2	199.7
53°	196.8	197.3	196.8	196.4	196.6	197.1
53.5°	194.2	194.5	194.2	194.1	194.0	194.3
54°	191.6	191.8	191.6	191.6	191.4	192.0
54.5°	188.9	189.0	188.9	188.8	188.9	189.5
55°	186.1	186.3	186.1	186.1	186.3	186.8
55.5°	183.3	183.8	183.3	183.4	183.5	184.2
56°	180.7	181.2	180.7	180.6	180.9	181.5
56.5°	178.0	178.6	178.0	177.9	178.2	179.0
57°	175.5	175.5	175.5	175.3	175.4	176.0
57.5°	172.9	172.8	172.9	172.4	172.6	173.3
58°	170.3	170.2	170.3	169.8	170.1	170.6
58.5°	167.6	167.6	167.6	167.1	167.3	168.0
59°	164.8	164.7	164.8	164.3	164.6	165.3
59.5°	161.8	162.1	161.8	161.6	161.7	162.4
60°	158.9	159.3	158.9	158.6	159.0	159.6
60.5°	156.0	156.7	156.0	155.8	156.2	156.4
61°	153.0	153.8	153.0	153.0	153.4	153.5
61.5°	150.2	150.8	150.2	150.1	150.4	150.7
62°	147.3	147.8	147.3	147.2	147.7	148.0
62.5°	144.5	144.6	144.5	144.4	144.6	145.0
63°	141.8	141.7	141.8	141.4	141.7	142.2
63.5°	138.9	138.9	138.9	138.4	138.7	139.1
64°	136.0	136.0	136.0	135.7	136.0	135.8
64.5°	133.0	133.1	133.0	132.6	132.8	132.8
65°	130.0	130.1	130.0	129.8	129.7	130.1
65.5°	127.0	127.1	127.0	126.8	126.8	127.3
66°	123.9	124.1	123.9	123.7	124.1	124.4



TEST NUMBER: P938639

CATALOG NUMBER: SMX6RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	115.0	114.8	115.0	114.7	114.7	115.2
68°	111.9	111.8	111.9	111.7	111.8	112.1
68.5°	108.9	108.7	108.9	108.7	108.9	109.1
69°	105.6	105.8	105.6	105.6	105.8	105.8
69.5°	102.7	102.8	102.7	102.5	102.8	103.1
70°	99.6	99.8	99.6	99.5	99.8	100.2
70.5°	96.8	96.8	96.8	96.4	96.6	97.2
71°	93.6	93.6	93.6	93.3	93.6	94.0
71.5°	90.6	90.6	90.6	90.3	90.5	90.7
72°	87.7	87.5	87.7	87.4	87.3	87.7
72.5°	84.6	84.6	84.6	84.3	84.3	84.6
73°	81.5	81.4	81.5	81.1	81.1	81.3
73.5°	78.4	78.3	78.4	78.0	78.3	78.1
74°	75.3	75.4	75.3	75.0	75.1	75.1
74.5°	72.2	72.2	72.2	72.0	72.0	72.2
75°	69.1	69.3	69.1	68.8	68.9	69.2
75.5°	66.2	66.1	66.2	65.8	66.0	66.0
76°	63.1	63.3	63.1	62.9	62.9	62.9
76.5°	60.2	60.2	60.2	59.9	59.9	59.9
77°	57.2	57.3	57.2	56.9	56.8	56.9
77.5°	54.4	54.4	54.4	53.9	53.8	54.0
78°	51.5	51.7	51.5	51.1	51.0	51.1
78.5°	48.4	48.6	48.4	48.2	48.1	48.2
79°	45.7	45.8	45.7	45.4	45.2	45.3
79.5°	42.8	42.9	42.8	42.6	42.4	42.4
80°	40.0	40.0	40.0	39.7	39.6	39.7
80.5°	37.2	37.2	37.2	37.0	36.8	36.8
81°	34.5	34.5	34.5	34.3	34.2	34.2
81.5°	31.9	32.1	31.9	31.6	31.4	31.5
82°	29.4	29.5	29.4	29.0	28.8	28.7
82.5°	27.0	27.1	27.0	26.6	26.2	26.1
83°	24.6	24.8	24.6	24.1	23.7	23.5
83.5°	22.3	22.6	22.3	21.8	21.3	21.0
84°	20.1	20.3	20.1	19.5	19.0	18.7
84.5°	17.9	18.2	17.9	17.3	16.7	16.9
85°	15.8	16.2	15.8	15.2	14.8	14.6
85.5°	13.8	14.3	13.8	13.2	12.7	12.5
86°	12.1	12.7	12.1	11.4	10.9	10.6
86.5°	10.4	11.0	10.4	9.8	9.1	9.0
87°	9.0	9.6	9.0	8.3	7.5	7.2
87.5°	7.7	8.3	7.7	6.9	6.2	5.8
88°	6.4	7.2	6.4	5.6	4.9	4.6
88.5°	5.4	6.1	5.4	4.6	3.8	3.5



TEST NUMBER: P938639  
CATALOG NUMBER: SMX6RLSFSD2W-900LM-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°	319.4	318.3	317.7	318.5	318.0	318.5	317.7	318.3	319.4	318.3	317.7
22°	318.3	317.0	316.8	317.2	316.5	317.2	316.8	317.0	318.3	317.0	316.8



44°	240.2	239.9	239.9	240.0	240.2	240.0	239.9	239.9	240.2	239.9	239.9
44.5°	238.0	237.8	237.6	237.7	238.2	237.7	237.6	237.8	238.0	237.8	237.6



66.5°	121.3	121.0	120.7	120.9	121.0	120.9	120.7	121.0	121.3	121.0	120.7
67°	118.3	117.9	117.7	117.9	117.9	117.9	117.7	117.9	118.3	117.9	117.7



89°	2.6	2.9	3.7	4.5	5.1	4.5	3.7	2.9	2.6	2.9	3.7
89.5°	1.8	2.2	2.8	3.6	4.3	3.6	2.8	2.2	1.8	2.2	2.8



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21.5°	318.5	318.0	318.5	317.7	318.3	319.4
22°	317.2	316.5	317.2	316.8	317.0	318.3



44°	240.0	240.2	240.0	239.9	239.9	240.2
44.5°	237.7	238.2	237.7	237.6	237.8	238.0



66.5°	120.9	121.0	120.9	120.7	121.0	121.3
67°	117.9	117.9	117.9	117.7	117.9	118.3

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89°	4.5	5.1	4.5	3.7	2.9	2.6
89.5°	3.6	4.3	3.6	2.8	2.2	1.8

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Scaled Data Report



(END OF REPORT)