

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: P938655

Luminaire Tested: SMX8RLSFSD2W-900LM-5000K

Issue Date: 1/9/2025

**Test Information**

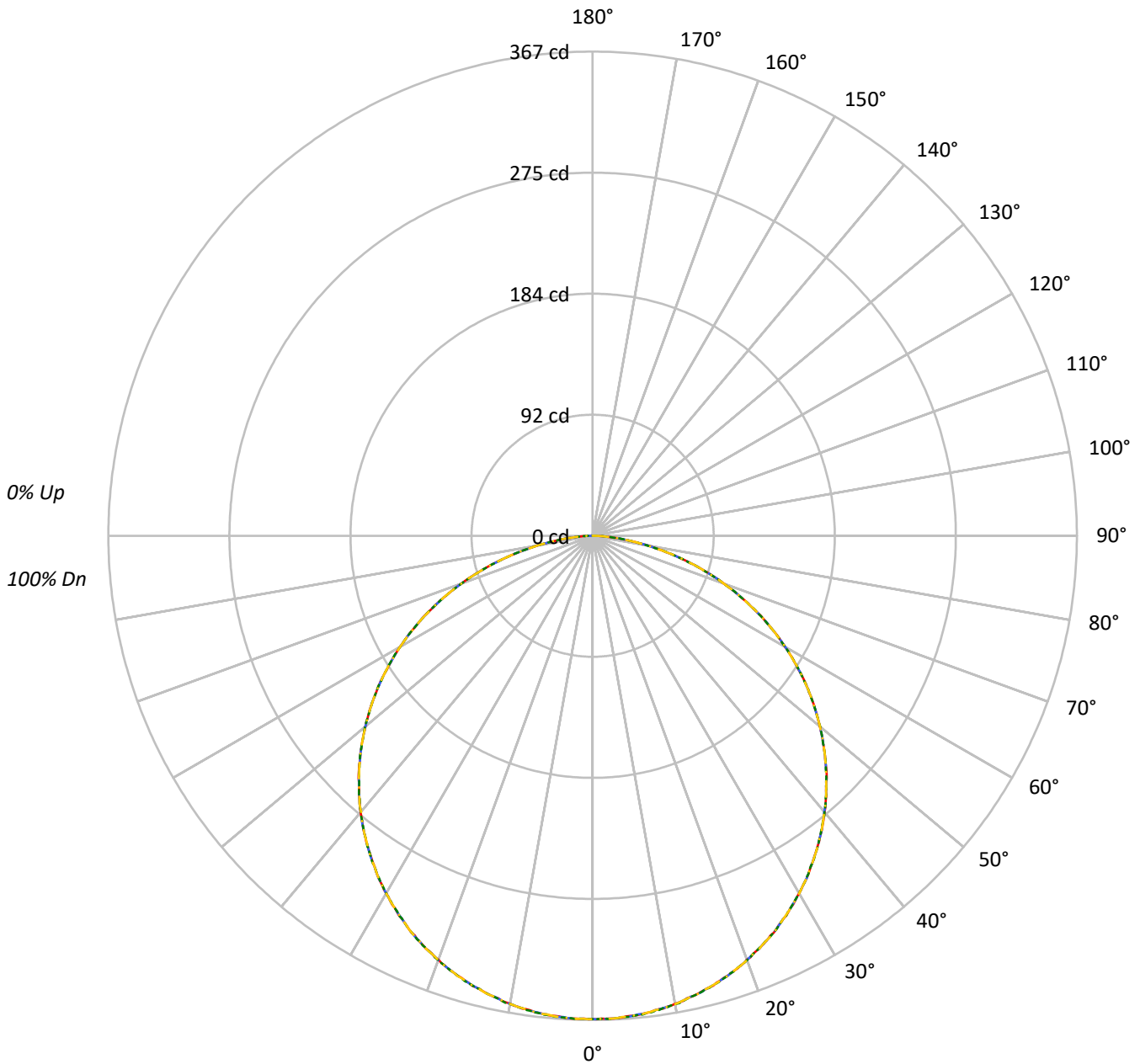
Test Method: LM-79-2019  
Report Number: P938655  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2405950-01A001)  
Test Lab:  
Issue Date: 1/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SMX8RLSFS2W-900LM-5000K  
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1072.5 lumens  
Efficiency: N/A  
Efficacy: 108.3 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): 9.9  
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: P938655  
CATALOG NUMBER: SMX8RLSFS2W-900LM-5000K

### Luminous Intensity Polar Plot





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

RF	20					20					20					20										
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83								
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43								
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26								
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24								

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

	0°	90°	180°	270°
0°	8927	8927	8927	8927
5°	8927	8929	8927	8929
10°	8911	8914	8911	8914
15°	8904	8894	8904	8894
20°	8865	8873	8865	8873
25°	8847	8847	8847	8847
30°	8803	8806	8803	8806
35°	8748	8754	8748	8754
40°	8699	8696	8699	8696
45°	8628	8611	8628	8611
50°	8525	8532	8525	8532
55°	8398	8411	8398	8411
60°	8216	8211	8216	8211
65°	7944	7950	7944	7950
70°	7530	7523	7530	7523
75°	6881	6900	6881	6900
80°	5893	5907	5893	5907
85°	4445	4473	4445	4473

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.7	3.2
10°-20°	99.6	9.3
20°-30°	151.6	14.1
30°-40°	184.1	17.2
40°-50°	192.9	18.0
50°-60°	176.5	16.5
60°-70°	136.2	12.7
70°-80°	77.4	7.2
80°-90°	19.6	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°	285.8	26.7
0°-40°	470.0	43.8
0°-60°	839.4	78.3
0°-90°	1072.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1072.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	366	366	366	366	366	
5°	365	365	365	365	365	35
15°	353	353	353	353	353	100
25°	329	329	329	329	329	152
35°	294	294	294	294	294	184
45°	250	250	250	250	250	193
55°	198	198	198	198	198	177
65°	138	138	138	138	138	136
75°	73	73	73	73	73	77
85°	16	16	16	16	16	20
90°	0	0	0	0	0	



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CATALOG NUMBER: SMX8RLSFSD2W-900LM-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4
0.5°	366.5	366.1	366.5	366.8	366.3	366.8	366.5	366.1	366.5	366.1	366.5
1°	366.1	366.1	366.3	366.5	366.3	366.5	366.3	366.1	366.1	366.1	366.3
1.5°	366.2	366.1	366.3	366.3	366.1	366.3	366.3	366.1	366.2	366.1	366.3
2°	366.2	366.1	366.3	366.3	366.6	366.3	366.3	366.1	366.2	366.1	366.3
2.5°	366.2	365.9	366.1	366.1	366.1	366.1	366.1	365.9	366.2	365.9	366.1
3°	366.0	365.8	366.1	365.8	366.0	365.8	366.1	365.8	366.0	365.8	366.1
3.5°	365.8	365.4	365.5	365.9	365.9	365.9	365.5	365.4	365.8	365.4	365.5
4°	365.2	365.4	365.6	365.3	365.6	365.3	365.6	365.4	365.2	365.4	365.6
4.5°	365.0	365.2	365.4	365.3	365.6	365.3	365.4	365.2	365.0	365.2	365.4
5°	365.0	364.8	364.9	364.9	365.1	364.9	364.9	364.8	365.0	364.8	364.9
5.5°	364.7	364.3	364.4	364.7	364.8	364.7	364.4	364.3	364.7	364.3	364.4
6°	364.3	363.9	364.4	364.1	364.8	364.1	364.4	363.9	364.3	363.9	364.4
6.5°	364.1	363.7	363.9	363.7	364.0	363.7	363.9	363.7	364.1	363.7	363.9
7°	363.5	363.3	363.5	363.4	364.0	363.4	363.5	363.3	363.5	363.3	363.5
7.5°	362.8	363.0	362.8	363.1	363.2	363.1	362.8	363.0	362.8	363.0	362.8
8°	362.3	362.6	362.5	362.3	363.0	362.3	362.5	362.6	362.3	362.6	362.5
8.5°	362.4	362.0	362.0	361.6	362.0	361.6	362.0	362.0	362.4	362.0	362.0
9°	361.5	361.6	361.6	361.6	361.8	361.6	361.6	361.6	361.5	361.6	361.6
9.5°	361.2	360.7	360.8	360.8	360.9	360.8	360.8	360.7	361.2	360.7	360.8
10°	360.2	360.3	360.4	360.5	360.3	360.5	360.4	360.3	360.2	360.3	360.4
10.5°	359.8	359.3	359.8	359.8	360.3	359.8	359.8	359.3	359.8	359.3	359.8
11°	359.2	358.7	358.8	359.2	359.2	359.2	358.8	358.7	359.2	358.7	358.8
11.5°	357.9	358.2	358.3	358.4	358.3	358.4	358.3	358.2	357.9	358.2	358.3
12°	357.5	357.7	357.3	357.3	357.5	357.3	357.3	357.7	357.5	357.7	357.3
12.5°	356.9	356.8	356.8	356.9	356.9	356.9	356.8	356.8	356.9	356.8	356.8
13°	356.1	356.2	356.2	356.0	356.0	356.0	356.2	356.2	356.1	356.2	356.2
13.5°	355.1	355.2	355.4	355.4	355.3	355.4	355.4	355.2	355.1	355.2	355.4
14°	354.3	354.5	354.3	354.6	354.0	354.6	354.3	354.5	354.3	354.5	354.3
14.5°	353.5	353.4	353.6	353.6	353.9	353.6	353.6	353.4	353.5	353.4	353.6
15°	353.0	352.4	352.7	352.6	352.6	352.6	352.7	352.4	353.0	352.4	352.7
15.5°	351.5	351.5	351.8	351.7	351.9	351.7	351.8	351.5	351.5	351.5	351.8
16°	350.8	350.7	350.8	351.0	351.2	351.0	350.8	350.7	350.8	350.7	350.8
16.5°	349.5	349.7	349.7	349.7	349.9	349.7	349.7	349.7	349.5	349.7	349.7
17°	348.9	348.7	349.2	348.7	349.0	348.7	349.2	348.7	348.9	348.7	349.2
17.5°	347.8	347.5	347.8	347.9	347.7	347.9	347.8	347.5	347.8	347.5	347.8
18°	346.7	346.7	346.7	346.7	347.1	346.7	346.7	346.7	346.7	346.7	346.7
18.5°	345.9	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.9	345.6	345.6
19°	344.4	344.5	344.7	344.3	344.6	344.3	344.7	344.5	344.4	344.5	344.7
19.5°	343.5	343.3	343.3	343.4	343.6	343.4	343.3	343.3	343.5	343.3	343.3
20°	341.9	341.8	342.2	342.0	342.2	342.0	342.2	341.8	341.9	341.8	342.2
20.5°	341.2	341.0	340.7	340.9	341.1	340.9	340.7	341.0	341.2	341.0	340.7
21°	339.5	339.8	339.6	339.8	339.6	339.8	339.6	339.8	339.5	339.8	339.6



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CATALOG NUMBER: SMX8RLSFSD2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	336.0	335.9	335.8	336.0	336.2	336.0	335.8	335.9	336.0	335.9	335.8
23°	334.6	334.4	334.5	334.7	334.4	334.7	334.5	334.4	334.6	334.4	334.5
23.5°	333.4	333.1	333.3	333.4	333.6	333.4	333.3	333.1	333.4	333.1	333.3
24°	331.6	331.7	332.1	331.7	331.9	331.7	332.1	331.7	331.6	331.7	332.1
24.5°	330.7	330.2	330.5	330.3	330.6	330.3	330.5	330.2	330.7	330.2	330.5
25°	329.1	329.0	329.1	329.0	329.1	329.0	329.1	329.0	329.1	329.0	329.1
25.5°	327.3	327.1	327.5	327.3	327.6	327.3	327.5	327.1	327.3	327.1	327.5
26°	325.9	325.9	325.8	325.9	325.8	325.9	325.8	325.9	325.9	325.9	325.8
26.5°	324.2	324.2	324.2	324.3	324.1	324.3	324.2	324.2	324.2	324.2	324.2
27°	323.1	323.0	322.8	322.7	323.1	322.7	322.8	323.0	323.1	323.0	322.8
27.5°	321.3	320.9	321.1	321.1	320.9	321.1	321.1	320.9	321.3	320.9	321.1
28°	319.4	319.6	319.6	319.8	319.6	319.8	319.6	319.6	319.4	319.6	319.6
28.5°	318.3	318.0	317.9	317.7	317.9	317.7	317.9	318.0	318.3	318.0	317.9
29°	316.4	316.4	316.3	316.4	316.1	316.4	316.3	316.4	316.4	316.4	316.3
29.5°	314.4	314.3	314.5	314.4	314.6	314.4	314.5	314.3	314.4	314.3	314.5
30°	312.9	312.8	313.1	312.9	313.0	312.9	313.1	312.8	312.9	312.8	313.1
30.5°	311.4	310.9	311.1	311.2	311.2	311.2	311.1	310.9	311.4	310.9	311.1
31°	309.3	309.4	309.3	309.3	309.3	309.3	309.3	309.4	309.3	309.4	309.3
31.5°	307.8	307.5	307.6	307.6	307.8	307.6	307.6	307.5	307.8	307.5	307.6
32°	306.1	305.7	306.0	305.7	305.7	305.7	306.0	305.7	306.1	305.7	306.0
32.5°	304.1	303.9	304.0	303.9	304.1	303.9	304.0	303.9	304.1	303.9	304.0
33°	302.1	301.8	302.1	302.2	301.8	302.2	302.1	301.8	302.1	301.8	302.1
33.5°	299.9	300.2	299.9	300.0	300.0	300.0	299.9	300.2	299.9	300.2	299.9
34°	298.2	298.3	298.3	298.0	298.5	298.0	298.3	298.3	298.2	298.3	298.3
34.5°	296.1	296.3	296.3	296.3	296.5	296.3	296.3	296.3	296.1	296.3	296.3
35°	294.1	294.4	294.4	294.4	294.3	294.4	294.4	294.4	294.1	294.4	294.4
35.5°	292.3	292.2	292.5	292.3	292.4	292.3	292.5	292.2	292.3	292.2	292.5
36°	290.2	290.1	290.3	290.2	290.5	290.2	290.3	290.1	290.2	290.1	290.3
36.5°	288.4	288.3	288.2	288.3	288.1	288.3	288.2	288.3	288.4	288.3	288.2
37°	286.2	285.8	286.2	286.0	286.1	286.0	286.2	285.8	286.2	285.8	286.2
37.5°	284.3	283.9	284.2	284.1	284.1	284.1	284.2	283.9	284.3	283.9	284.2
38°	282.3	281.9	282.2	282.0	281.9	282.0	282.2	281.9	282.3	281.9	282.2
38.5°	280.0	279.9	280.1	280.0	279.8	280.0	280.1	279.9	280.0	279.9	280.1
39°	277.8	278.0	277.7	277.8	277.6	277.8	277.7	278.0	277.8	278.0	277.7
39.5°	275.7	275.6	275.4	275.5	275.8	275.5	275.4	275.6	275.7	275.6	275.4
40°	273.5	273.3	273.1	273.4	273.4	273.4	273.1	273.3	273.5	273.3	273.1
40.5°	271.4	271.0	271.1	271.2	271.3	271.2	271.1	271.0	271.4	271.0	271.1
41°	269.0	268.6	269.2	268.9	269.1	268.9	269.2	268.6	269.0	268.6	269.2
41.5°	266.7	266.6	266.6	266.6	266.5	266.6	266.6	266.6	266.7	266.6	266.6
42°	264.7	264.1	264.3	264.3	264.6	264.3	264.3	264.1	264.7	264.1	264.3
42.5°	262.0	262.0	261.8	262.0	262.1	262.0	261.8	262.0	262.0	262.0	261.8
43°	259.6	259.7	259.7	259.6	259.5	259.6	259.7	259.7	259.6	259.7	259.7
43.5°	257.3	257.2	257.2	257.4	257.1	257.4	257.2	257.2	257.3	257.2	257.2



TEST NUMBER: P938655

CATALOG NUMBER: SMX8RLSFSD2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	250.4	250.1	250.1	250.0	249.9	250.0	250.1	250.1	250.4	250.1	250.1
45.5°	247.9	247.7	247.7	247.6	247.7	247.6	247.7	247.7	247.9	247.7	247.7
46°	245.2	245.3	245.1	245.1	245.5	245.1	245.1	245.3	245.2	245.3	245.1
46.5°	242.8	242.8	242.7	242.7	242.9	242.7	242.7	242.8	242.8	242.8	242.7
47°	240.4	240.3	240.2	240.2	240.4	240.2	240.2	240.3	240.4	240.3	240.2
47.5°	237.8	237.7	237.8	237.7	237.7	237.7	237.8	237.7	237.8	237.7	237.8
48°	235.2	235.2	235.2	235.1	235.2	235.1	235.2	235.2	235.2	235.2	235.2
48.5°	232.7	232.7	232.6	232.6	232.5	232.6	232.6	232.7	232.7	232.7	232.6
49°	230.0	230.1	230.0	230.0	230.2	230.0	230.0	230.1	230.0	230.1	230.0
49.5°	227.4	227.5	227.4	227.4	227.5	227.4	227.4	227.5	227.4	227.5	227.4
50°	224.9	224.9	224.8	224.8	225.1	224.8	224.8	224.9	224.9	224.9	224.8
50.5°	222.3	222.2	222.2	222.1	222.3	222.1	222.2	222.2	222.3	222.2	222.2
51°	219.6	219.5	219.6	219.4	219.5	219.4	219.6	219.5	219.6	219.5	219.6
51.5°	216.9	216.9	216.8	216.8	216.7	216.8	216.8	216.9	216.9	216.9	216.8
52°	214.3	214.2	214.1	214.2	214.2	214.2	214.1	214.2	214.3	214.2	214.1
52.5°	211.7	211.4	211.5	211.7	211.5	211.7	211.5	211.4	211.7	211.4	211.5
53°	208.8	208.8	208.8	208.7	208.9	208.7	208.8	208.8	208.8	208.8	208.8
53.5°	206.1	206.1	206.1	205.9	205.9	205.9	206.1	206.1	206.1	206.1	206.1
54°	203.1	203.1	203.3	203.3	203.2	203.3	203.3	203.1	203.1	203.1	203.3
54.5°	200.5	200.3	200.5	200.3	200.7	200.3	200.5	200.3	200.5	200.3	200.5
55°	197.7	197.7	197.6	197.5	198.0	197.5	197.6	197.7	197.7	197.7	197.6
55.5°	195.1	194.9	194.8	194.6	194.7	194.6	194.8	194.9	195.1	194.9	194.8
56°	191.9	192.0	192.0	191.9	192.0	191.9	192.0	192.0	191.9	192.0	192.0
56.5°	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1
57°	185.9	186.0	186.2	186.1	186.1	186.1	186.2	186.0	185.9	186.0	186.2
57.5°	183.2	183.2	183.3	183.1	183.4	183.1	183.3	183.2	183.2	183.2	183.3
58°	180.3	180.5	180.3	180.3	180.4	180.3	180.3	180.5	180.3	180.5	180.3
58.5°	177.5	177.6	177.4	177.5	177.3	177.5	177.4	177.6	177.5	177.6	177.4
59°	174.5	174.5	174.5	174.4	174.6	174.4	174.5	174.5	174.5	174.5	174.5
59.5°	171.7	171.7	171.5	171.3	171.7	171.3	171.5	171.7	171.7	171.7	171.5
60°	168.6	168.6	168.7	168.7	168.5	168.7	168.7	168.6	168.6	168.6	168.7
60.5°	165.5	165.7	165.6	165.7	165.4	165.7	165.6	165.7	165.5	165.7	165.6
61°	162.6	162.6	162.6	162.5	162.6	162.5	162.6	162.6	162.6	162.6	162.6
61.5°	159.7	159.6	159.4	159.6	159.6	159.6	159.4	159.6	159.7	159.6	159.4
62°	156.6	156.6	156.4	156.4	156.4	156.4	156.4	156.6	156.6	156.6	156.4
62.5°	153.5	153.5	153.4	153.3	153.4	153.3	153.4	153.5	153.5	153.5	153.4
63°	150.2	150.4	150.4	150.4	150.3	150.4	150.4	150.4	150.2	150.4	150.4
63.5°	147.3	147.2	147.2	147.2	147.3	147.2	147.2	147.2	147.3	147.2	147.2
64°	144.1	143.9	144.1	144.1	144.1	144.1	144.1	143.9	144.1	143.9	144.1
64.5°	141.2	141.0	141.0	140.7	141.1	140.7	141.0	141.0	141.2	141.0	141.0
65°	137.8	137.9	137.8	137.6	137.9	137.6	137.8	137.9	137.8	137.9	137.8
65.5°	134.5	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.5	134.7	134.7
66°	131.4	131.6	131.4	131.4	131.4	131.4	131.4	131.6	131.4	131.6	131.4





TEST NUMBER: P938655

CATALOG NUMBER: SMX8RLSFS2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	121.8	121.9	122.0	121.7	121.7	121.7	122.0	121.9	121.8	121.9	122.0
68°	118.8	118.8	118.6	118.5	118.7	118.5	118.6	118.8	118.8	118.8	118.6
68.5°	115.5	115.5	115.5	115.5	115.7	115.5	115.5	115.5	115.5	115.5	115.5
69°	112.3	112.2	112.3	112.3	112.3	112.3	112.3	112.2	112.3	112.2	112.3
69.5°	108.8	108.9	109.0	109.0	109.0	109.0	109.0	108.9	108.8	108.9	109.0
70°	105.7	105.8	105.7	105.7	105.6	105.7	105.7	105.8	105.7	105.8	105.7
70.5°	102.6	102.6	102.4	102.6	102.5	102.6	102.4	102.6	102.6	102.6	102.4
71°	99.4	99.3	99.4	99.2	99.2	99.2	99.4	99.3	99.4	99.3	99.4
71.5°	96.1	96.1	96.0	96.0	95.9	96.0	96.0	96.1	96.1	96.1	96.0
72°	92.9	92.8	92.7	92.7	92.7	92.7	92.7	92.8	92.9	92.8	92.7
72.5°	89.6	89.5	89.5	89.4	89.5	89.4	89.5	89.5	89.6	89.5	89.5
73°	86.1	86.1	86.1	86.2	86.1	86.2	86.1	86.1	86.1	86.1	86.1
73.5°	83.0	83.0	83.0	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0
74°	79.8	79.8	79.8	79.6	79.7	79.6	79.8	79.8	79.8	79.8	79.8
74.5°	76.5	76.4	76.4	76.3	76.3	76.3	76.4	76.4	76.5	76.4	76.4
75°	73.1	73.3	73.1	73.2	73.3	73.2	73.1	73.3	73.1	73.3	73.1
75.5°	70.0	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	69.9	69.9
76°	66.8	66.8	66.7	66.7	66.8	66.7	66.7	66.8	66.8	66.8	66.7
76.5°	63.6	63.6	63.6	63.6	63.7	63.6	63.6	63.6	63.6	63.6	63.6
77°	60.6	60.5	60.4	60.4	60.4	60.4	60.4	60.5	60.6	60.5	60.4
77.5°	57.3	57.4	57.3	57.3	57.2	57.3	57.3	57.4	57.3	57.4	57.3
78°	54.1	54.2	54.1	54.2	54.3	54.2	54.1	54.2	54.1	54.2	54.1
78.5°	51.1	51.1	51.0	51.0	51.1	51.0	51.0	51.1	51.1	51.1	51.0
79°	47.9	48.1	47.9	47.9	48.0	47.9	47.9	48.1	47.9	48.1	47.9
79.5°	45.1	45.0	44.9	44.9	45.1	44.9	44.9	45.0	45.1	45.0	44.9
80°	42.0	42.0	42.0	42.1	42.1	42.1	42.0	42.0	42.0	42.0	42.0
80.5°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
81°	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
81.5°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
82°	30.9	30.9	30.8	30.8	30.8	30.8	30.8	30.9	30.9	30.9	30.8
82.5°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
83°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
83.5°	23.0	23.0	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.0	22.9
84°	20.6	20.6	20.6	20.4	20.6	20.4	20.6	20.6	20.6	20.6	20.6
84.5°	18.3	18.3	18.2	18.2	18.2	18.2	18.2	18.3	18.3	18.3	18.2
85°	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.9	16.0	16.0
85.5°	13.8	13.8	13.9	13.9	14.1	13.9	13.9	13.8	13.8	13.8	13.9
86°	11.9	11.9	11.9	12.0	12.1	12.0	11.9	11.9	11.9	11.9	11.9
86.5°	10.1	10.1	10.0	10.2	10.6	10.2	10.0	10.1	10.1	10.1	10.0
87°	8.4	8.5	8.5	8.5	8.7	8.5	8.5	8.5	8.4	8.5	8.5
87.5°	7.0	6.9	7.0	7.1	7.2	7.1	7.0	6.9	7.0	6.9	7.0
88°	5.6	5.6	5.7	5.7	5.9	5.7	5.7	5.6	5.6	5.6	5.7
88.5°	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5



TEST NUMBER: P938655  
CATALOG NUMBER: SMX8RLSFSD2W-900LM-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: P938655

CATALOG NUMBER: SMX8RLSFS2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	366.4	366.4	366.4	366.4	366.4	366.4
0.5°	366.8	366.3	366.8	366.5	366.1	366.5
1°	366.5	366.3	366.5	366.3	366.1	366.1
1.5°	366.3	366.1	366.3	366.3	366.1	366.2
2°	366.3	366.6	366.3	366.3	366.1	366.2
2.5°	366.1	366.1	366.1	366.1	365.9	366.2
3°	365.8	366.0	365.8	366.1	365.8	366.0
3.5°	365.9	365.9	365.9	365.5	365.4	365.8
4°	365.3	365.6	365.3	365.6	365.4	365.2
4.5°	365.3	365.6	365.3	365.4	365.2	365.0
5°	364.9	365.1	364.9	364.9	364.8	365.0
5.5°	364.7	364.8	364.7	364.4	364.3	364.7
6°	364.1	364.8	364.1	364.4	363.9	364.3
6.5°	363.7	364.0	363.7	363.9	363.7	364.1
7°	363.4	364.0	363.4	363.5	363.3	363.5
7.5°	363.1	363.2	363.1	362.8	363.0	362.8
8°	362.3	363.0	362.3	362.5	362.6	362.3
8.5°	361.6	362.0	361.6	362.0	362.0	362.4
9°	361.6	361.8	361.6	361.6	361.6	361.5
9.5°	360.8	360.9	360.8	360.8	360.7	361.2
10°	360.5	360.3	360.5	360.4	360.3	360.2
10.5°	359.8	360.3	359.8	359.8	359.3	359.8
11°	359.2	359.2	359.2	358.8	358.7	359.2
11.5°	358.4	358.3	358.4	358.3	358.2	357.9
12°	357.3	357.5	357.3	357.3	357.7	357.5
12.5°	356.9	356.9	356.9	356.8	356.8	356.9
13°	356.0	356.0	356.0	356.2	356.2	356.1
13.5°	355.4	355.3	355.4	355.4	355.2	355.1
14°	354.6	354.0	354.6	354.3	354.5	354.3
14.5°	353.6	353.9	353.6	353.6	353.4	353.5
15°	352.6	352.6	352.6	352.7	352.4	353.0
15.5°	351.7	351.9	351.7	351.8	351.5	351.5
16°	351.0	351.2	351.0	350.8	350.7	350.8
16.5°	349.7	349.9	349.7	349.7	349.7	349.5
17°	348.7	349.0	348.7	349.2	348.7	348.9
17.5°	347.9	347.7	347.9	347.8	347.5	347.8
18°	346.7	347.1	346.7	346.7	346.7	346.7
18.5°	345.6	345.6	345.6	345.6	345.6	345.9
19°	344.3	344.6	344.3	344.7	344.5	344.4
19.5°	343.4	343.6	343.4	343.3	343.3	343.5
20°	342.0	342.2	342.0	342.2	341.8	341.9
20.5°	340.9	341.1	340.9	340.7	341.0	341.2
21°	339.8	339.6	339.8	339.6	339.8	339.5



TEST NUMBER: P938655

CATALOG NUMBER: SMX8RLSFSD2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	336.0	336.2	336.0	335.8	335.9	336.0
23°	334.7	334.4	334.7	334.5	334.4	334.6
23.5°	333.4	333.6	333.4	333.3	333.1	333.4
24°	331.7	331.9	331.7	332.1	331.7	331.6
24.5°	330.3	330.6	330.3	330.5	330.2	330.7
25°	329.0	329.1	329.0	329.1	329.0	329.1
25.5°	327.3	327.6	327.3	327.5	327.1	327.3
26°	325.9	325.8	325.9	325.8	325.9	325.9
26.5°	324.3	324.1	324.3	324.2	324.2	324.2
27°	322.7	323.1	322.7	322.8	323.0	323.1
27.5°	321.1	320.9	321.1	321.1	320.9	321.3
28°	319.8	319.6	319.8	319.6	319.6	319.4
28.5°	317.7	317.9	317.7	317.9	318.0	318.3
29°	316.4	316.1	316.4	316.3	316.4	316.4
29.5°	314.4	314.6	314.4	314.5	314.3	314.4
30°	312.9	313.0	312.9	313.1	312.8	312.9
30.5°	311.2	311.2	311.2	311.1	310.9	311.4
31°	309.3	309.3	309.3	309.3	309.4	309.3
31.5°	307.6	307.8	307.6	307.6	307.5	307.8
32°	305.7	305.7	305.7	306.0	305.7	306.1
32.5°	303.9	304.1	303.9	304.0	303.9	304.1
33°	302.2	301.8	302.2	302.1	301.8	302.1
33.5°	300.0	300.0	300.0	299.9	300.2	299.9
34°	298.0	298.5	298.0	298.3	298.3	298.2
34.5°	296.3	296.5	296.3	296.3	296.3	296.1
35°	294.4	294.3	294.4	294.4	294.4	294.1
35.5°	292.3	292.4	292.3	292.5	292.2	292.3
36°	290.2	290.5	290.2	290.3	290.1	290.2
36.5°	288.3	288.1	288.3	288.2	288.3	288.4
37°	286.0	286.1	286.0	286.2	285.8	286.2
37.5°	284.1	284.1	284.1	284.2	283.9	284.3
38°	282.0	281.9	282.0	282.2	281.9	282.3
38.5°	280.0	279.8	280.0	280.1	279.9	280.0
39°	277.8	277.6	277.8	277.7	278.0	277.8
39.5°	275.5	275.8	275.5	275.4	275.6	275.7
40°	273.4	273.4	273.4	273.1	273.3	273.5
40.5°	271.2	271.3	271.2	271.1	271.0	271.4
41°	268.9	269.1	268.9	269.2	268.6	269.0
41.5°	266.6	266.5	266.6	266.6	266.6	266.7
42°	264.3	264.6	264.3	264.3	264.1	264.7
42.5°	262.0	262.1	262.0	261.8	262.0	262.0
43°	259.6	259.5	259.6	259.7	259.7	259.6
43.5°	257.4	257.1	257.4	257.2	257.2	257.3



TEST NUMBER: P938655

CATALOG NUMBER: SMX8RLSFSD2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	250.0	249.9	250.0	250.1	250.1	250.4
45.5°	247.6	247.7	247.6	247.7	247.7	247.9
46°	245.1	245.5	245.1	245.1	245.3	245.2
46.5°	242.7	242.9	242.7	242.7	242.8	242.8
47°	240.2	240.4	240.2	240.2	240.3	240.4
47.5°	237.7	237.7	237.7	237.8	237.7	237.8
48°	235.1	235.2	235.1	235.2	235.2	235.2
48.5°	232.6	232.5	232.6	232.6	232.7	232.7
49°	230.0	230.2	230.0	230.0	230.1	230.0
49.5°	227.4	227.5	227.4	227.4	227.5	227.4
50°	224.8	225.1	224.8	224.8	224.9	224.9
50.5°	222.1	222.3	222.1	222.2	222.2	222.3
51°	219.4	219.5	219.4	219.6	219.5	219.6
51.5°	216.8	216.7	216.8	216.8	216.9	216.9
52°	214.2	214.2	214.2	214.1	214.2	214.3
52.5°	211.7	211.5	211.7	211.5	211.4	211.7
53°	208.7	208.9	208.7	208.8	208.8	208.8
53.5°	205.9	205.9	205.9	206.1	206.1	206.1
54°	203.3	203.2	203.3	203.3	203.1	203.1
54.5°	200.3	200.7	200.3	200.5	200.3	200.5
55°	197.5	198.0	197.5	197.6	197.7	197.7
55.5°	194.6	194.7	194.6	194.8	194.9	195.1
56°	191.9	192.0	191.9	192.0	192.0	191.9
56.5°	189.1	189.1	189.1	189.1	189.1	189.1
57°	186.1	186.1	186.1	186.2	186.0	185.9
57.5°	183.1	183.4	183.1	183.3	183.2	183.2
58°	180.3	180.4	180.3	180.3	180.5	180.3
58.5°	177.5	177.3	177.5	177.4	177.6	177.5
59°	174.4	174.6	174.4	174.5	174.5	174.5
59.5°	171.3	171.7	171.3	171.5	171.7	171.7
60°	168.7	168.5	168.7	168.7	168.6	168.6
60.5°	165.7	165.4	165.7	165.6	165.7	165.5
61°	162.5	162.6	162.5	162.6	162.6	162.6
61.5°	159.6	159.6	159.6	159.4	159.6	159.7
62°	156.4	156.4	156.4	156.4	156.6	156.6
62.5°	153.3	153.4	153.3	153.4	153.5	153.5
63°	150.4	150.3	150.4	150.4	150.4	150.2
63.5°	147.2	147.3	147.2	147.2	147.2	147.3
64°	144.1	144.1	144.1	144.1	143.9	144.1
64.5°	140.7	141.1	140.7	141.0	141.0	141.2
65°	137.6	137.9	137.6	137.8	137.9	137.8
65.5°	134.7	134.7	134.7	134.7	134.7	134.5
66°	131.4	131.4	131.4	131.4	131.6	131.4



TEST NUMBER: P938655  
 CATALOG NUMBER: SMX8RLSFSD2W-900LM-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	121.7	121.7	121.7	122.0	121.9	121.8
68°	118.5	118.7	118.5	118.6	118.8	118.8
68.5°	115.5	115.7	115.5	115.5	115.5	115.5
69°	112.3	112.3	112.3	112.3	112.2	112.3
69.5°	109.0	109.0	109.0	109.0	108.9	108.8
70°	105.7	105.6	105.7	105.7	105.8	105.7
70.5°	102.6	102.5	102.6	102.4	102.6	102.6
71°	99.2	99.2	99.2	99.4	99.3	99.4
71.5°	96.0	95.9	96.0	96.0	96.1	96.1
72°	92.7	92.7	92.7	92.7	92.8	92.9
72.5°	89.4	89.5	89.4	89.5	89.5	89.6
73°	86.2	86.1	86.2	86.1	86.1	86.1
73.5°	82.9	82.9	82.9	83.0	83.0	83.0
74°	79.6	79.7	79.6	79.8	79.8	79.8
74.5°	76.3	76.3	76.3	76.4	76.4	76.5
75°	73.2	73.3	73.2	73.1	73.3	73.1
75.5°	69.9	69.9	69.9	69.9	69.9	70.0
76°	66.7	66.8	66.7	66.7	66.8	66.8
76.5°	63.6	63.7	63.6	63.6	63.6	63.6
77°	60.4	60.4	60.4	60.4	60.5	60.6
77.5°	57.3	57.2	57.3	57.3	57.4	57.3
78°	54.2	54.3	54.2	54.1	54.2	54.1
78.5°	51.0	51.1	51.0	51.0	51.1	51.1
79°	47.9	48.0	47.9	47.9	48.1	47.9
79.5°	44.9	45.1	44.9	44.9	45.0	45.1
80°	42.1	42.1	42.1	42.0	42.0	42.0
80.5°	39.1	39.1	39.1	39.1	39.1	39.1
81°	36.3	36.3	36.3	36.3	36.3	36.3
81.5°	33.5	33.5	33.5	33.5	33.5	33.5
82°	30.8	30.8	30.8	30.8	30.9	30.9
82.5°	28.1	28.1	28.1	28.1	28.1	28.1
83°	25.5	25.5	25.5	25.5	25.5	25.5
83.5°	22.9	22.9	22.9	22.9	23.0	23.0
84°	20.4	20.6	20.4	20.6	20.6	20.6
84.5°	18.2	18.2	18.2	18.2	18.3	18.3
85°	16.0	16.0	16.0	16.0	16.0	15.9
85.5°	13.9	14.1	13.9	13.9	13.8	13.8
86°	12.0	12.1	12.0	11.9	11.9	11.9
86.5°	10.2	10.6	10.2	10.0	10.1	10.1
87°	8.5	8.7	8.5	8.5	8.5	8.4
87.5°	7.1	7.2	7.1	7.0	6.9	7.0
88°	5.7	5.9	5.7	5.7	5.6	5.6
88.5°	4.5	4.6	4.5	4.5	4.5	4.5



TEST NUMBER: P938655  
CATALOG NUMBER: SMX8RLSFSD2W-900LM-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°	338.3	338.3	338.6	338.3	338.4	338.3	338.6	338.3	338.3	338.3	338.6
22°	337.4	336.8	337.5	337.0	337.1	337.0	337.5	336.8	337.4	336.8	337.5



44°	255.4	254.9	254.9	255.0	255.0	254.9	254.9	255.4	254.9	254.9
44.5°	253.0	252.6	252.4	252.6	252.6	252.4	252.6	253.0	252.6	252.4



66.5°	128.3	128.2	128.2	128.2	128.4	128.2	128.2	128.2	128.3	128.2	128.2
67°	125.1	125.0	125.0	125.0	125.2	125.0	125.0	125.0	125.1	125.0	125.0



89°	3.6	3.6	3.6	3.6	3.8	3.6	3.6	3.6	3.6	3.6	3.6
89.5°	2.7	2.8	2.7	2.8	2.9	2.8	2.7	2.8	2.7	2.8	2.7



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21.5°	338.3	338.4	338.3	338.6	338.3	338.3
22°	337.0	337.1	337.0	337.5	336.8	337.4



44°	255.0	255.0	255.0	254.9	254.9	255.4
44.5°	252.6	252.6	252.6	252.4	252.6	253.0



66.5°	128.2	128.4	128.2	128.2	128.2	128.3
67°	125.0	125.2	125.0	125.0	125.0	125.1



89°	3.6	3.8	3.6	3.6	3.6	3.6
89.5°	2.8	2.9	2.8	2.7	2.8	2.7

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Scaled Data Report



(END OF REPORT)