

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: P938654

Luminaire Tested: SMX8RLSFSD2W-900LM-4000K

Issue Date: 1/9/2025

**Test Information**

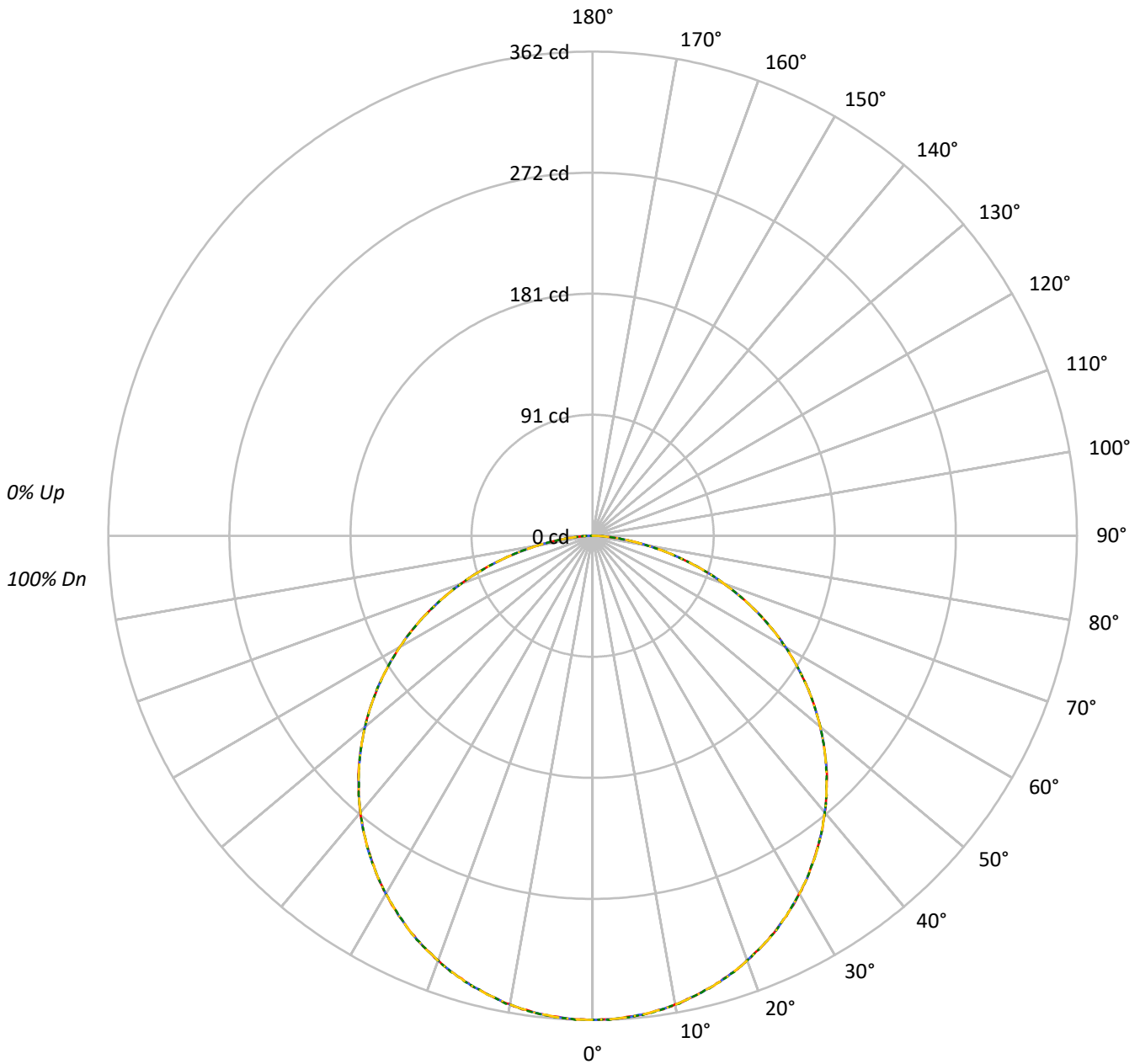
Test Method: LM-79-2019  
Report Number: P938654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2405950-01A001)  
Test Lab:  
Issue Date: 1/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SMX8RLSFSD2W-900LM-4000K  
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1059.3 lumens  
Efficiency: N/A  
Efficacy: 107.0 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 (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

TEST NUMBER: P938654  
CATALOG NUMBER: SMX8RLSFS2W-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	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°	8818	8818	8818	8818
5°	8817	8819	8817	8819
10°	8800	8805	8800	8805
15°	8796	8786	8796	8786
20°	8756	8761	8756	8761
25°	8737	8740	8737	8740
30°	8693	8696	8693	8696
35°	8641	8646	8641	8646
40°	8591	8588	8591	8588
45°	8521	8504	8521	8504
50°	8419	8426	8419	8426
55°	8296	8304	8296	8304
60°	8113	8109	8113	8109
65°	7846	7852	7846	7852
70°	7437	7430	7437	7430
75°	6797	6816	6797	6816
80°	5823	5823	5823	5823
85°	4389	4417	4389	4417

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8521 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.3	3.2
10°-20°	98.3	9.3
20°-30°	149.7	14.1
30°-40°	181.8	17.2
40°-50°	190.5	18.0
50°-60°	174.3	16.5
60°-70°	134.5	12.7
70°-80°	76.5	7.2
80°-90°	19.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	282.3	26.7
0°-40°	464.2	43.8
0°-60°	829.0	78.3
0°-90°	1059.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	362	362	362	362	362	
5°	360	361	360	361	360	34
15°	349	348	349	348	349	98
25°	325	325	325	325	325	150
35°	290	291	290	291	290	182
45°	247	247	247	247	247	191
55°	195	196	195	196	195	174
65°	136	136	136	136	136	134
75°	72	72	72	72	72	77
85°	16	16	16	16	16	19
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°	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9
0.5°	362.0	361.5	361.9	362.3	361.8	362.3	361.9	361.5	362.0	361.5	361.9
1°	361.6	361.6	361.8	361.9	361.8	361.9	361.8	361.6	361.6	361.6	361.8
1.5°	361.7	361.6	361.8	361.8	361.6	361.8	361.8	361.6	361.7	361.6	361.8
2°	361.7	361.6	361.7	361.7	362.1	361.7	361.7	361.6	361.7	361.6	361.7
2.5°	361.7	361.4	361.6	361.5	361.5	361.5	361.6	361.4	361.7	361.4	361.6
3°	361.5	361.3	361.5	361.3	361.5	361.3	361.5	361.3	361.5	361.3	361.5
3.5°	361.3	360.9	361.0	361.3	361.3	361.3	361.0	360.9	361.3	360.9	361.0
4°	360.7	360.9	361.1	360.8	361.1	360.8	361.1	360.9	360.7	360.9	361.1
4.5°	360.5	360.7	360.9	360.8	361.1	360.8	360.9	360.7	360.5	360.7	360.9
5°	360.5	360.3	360.4	360.4	360.6	360.4	360.4	360.3	360.5	360.3	360.4
5.5°	360.2	359.8	359.9	360.2	360.3	360.2	359.9	359.8	360.2	359.8	359.9
6°	359.8	359.5	359.9	359.6	360.3	359.6	359.9	359.5	359.8	359.5	359.9
6.5°	359.6	359.3	359.4	359.3	359.5	359.3	359.4	359.3	359.6	359.3	359.4
7°	359.0	358.8	359.0	358.9	359.5	358.9	359.0	358.8	359.0	358.8	359.0
7.5°	358.3	358.5	358.3	358.6	358.7	358.6	358.3	358.5	358.3	358.5	358.3
8°	357.8	358.1	358.0	357.8	358.5	357.8	358.0	358.1	357.8	358.1	358.0
8.5°	358.0	357.5	357.6	357.2	357.6	357.2	357.6	357.5	358.0	357.5	357.6
9°	357.0	357.1	357.1	357.1	357.3	357.1	357.1	357.1	357.0	357.1	357.1
9.5°	356.8	356.2	356.4	356.4	356.4	356.4	356.4	356.2	356.8	356.2	356.4
10°	355.7	355.9	355.9	356.1	355.9	356.1	355.9	355.9	355.7	355.9	355.9
10.5°	355.4	354.9	355.3	355.3	355.8	355.3	355.3	354.9	355.4	354.9	355.3
11°	354.8	354.3	354.4	354.7	354.7	354.7	354.4	354.3	354.8	354.3	354.4
11.5°	353.5	353.8	353.9	354.0	353.9	354.0	353.9	353.8	353.5	353.8	353.9
12°	353.1	353.2	352.8	352.9	353.0	352.9	352.8	353.2	353.1	353.2	352.8
12.5°	352.5	352.4	352.4	352.5	352.5	352.5	352.4	352.4	352.5	352.4	352.4
13°	351.7	351.8	351.8	351.6	351.6	351.6	351.8	351.8	351.7	351.8	351.8
13.5°	350.7	350.8	351.0	351.0	351.0	351.0	351.0	350.8	350.7	350.8	351.0
14°	349.9	350.1	349.9	350.2	349.7	350.2	349.9	350.1	349.9	350.1	349.9
14.5°	349.1	349.1	349.2	349.2	349.5	349.2	349.2	349.1	349.1	349.1	349.2
15°	348.7	348.1	348.4	348.3	348.3	348.3	348.4	348.1	348.7	348.1	348.4
15.5°	347.2	347.2	347.4	347.4	347.5	347.4	347.4	347.2	347.2	347.2	347.4
16°	346.5	346.4	346.5	346.7	346.9	346.7	346.5	346.4	346.5	346.4	346.5
16.5°	345.2	345.4	345.4	345.4	345.6	345.4	345.4	345.4	345.2	345.4	345.4
17°	344.5	344.3	344.9	344.3	344.7	344.3	344.9	344.3	344.5	344.3	344.9
17.5°	343.5	343.2	343.5	343.6	343.4	343.6	343.5	343.2	343.5	343.2	343.5
18°	342.4	342.4	342.5	342.4	342.8	342.4	342.5	342.4	342.4	342.4	342.5
18.5°	341.6	341.3	341.3	341.4	341.3	341.4	341.3	341.3	341.6	341.3	341.3
19°	340.2	340.2	340.4	340.1	340.4	340.1	340.4	340.2	340.2	340.2	340.4
19.5°	339.2	339.1	339.1	339.2	339.4	339.2	339.1	339.1	339.2	339.1	339.1
20°	337.7	337.6	338.0	337.8	337.9	337.8	338.0	337.6	337.7	337.6	338.0
20.5°	337.0	336.8	336.5	336.7	336.9	336.7	336.5	336.8	337.0	336.8	336.5
21°	335.3	335.6	335.4	335.6	335.4	335.6	335.4	335.6	335.3	335.6	335.4



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CATALOG NUMBER: SMX8RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	331.9	331.7	331.7	331.9	332.0	331.9	331.7	331.7	331.9	331.7	331.7
23°	330.5	330.3	330.4	330.5	330.3	330.5	330.4	330.3	330.5	330.3	330.4
23.5°	329.3	329.0	329.2	329.2	329.4	329.2	329.2	329.0	329.3	329.0	329.2
24°	327.5	327.6	328.0	327.6	327.8	327.6	328.0	327.6	327.5	327.6	328.0
24.5°	326.6	326.1	326.4	326.2	326.5	326.2	326.4	326.1	326.6	326.1	326.4
25°	325.0	324.9	325.1	324.9	325.1	324.9	325.1	324.9	325.0	324.9	325.1
25.5°	323.3	323.0	323.4	323.3	323.5	323.3	323.4	323.0	323.3	323.0	323.4
26°	321.9	321.9	321.8	321.9	321.8	321.9	321.8	321.9	321.9	321.9	321.8
26.5°	320.2	320.2	320.2	320.3	320.1	320.3	320.2	320.2	320.2	320.2	320.2
27°	319.1	319.0	318.9	318.7	319.1	318.7	318.9	319.0	319.1	319.0	318.9
27.5°	317.3	317.0	317.2	317.2	317.0	317.2	317.2	317.0	317.3	317.0	317.2
28°	315.5	315.7	315.7	315.9	315.6	315.9	315.7	315.7	315.5	315.7	315.7
28.5°	314.4	314.1	313.9	313.8	313.9	313.8	313.9	314.1	314.4	314.1	313.9
29°	312.5	312.4	312.4	312.5	312.2	312.5	312.4	312.4	312.5	312.4	312.4
29.5°	310.6	310.4	310.6	310.5	310.7	310.5	310.6	310.4	310.6	310.4	310.6
30°	309.0	308.9	309.2	309.0	309.1	309.0	309.2	308.9	309.0	308.9	309.2
30.5°	307.6	307.1	307.3	307.4	307.4	307.4	307.3	307.1	307.6	307.1	307.3
31°	305.5	305.6	305.4	305.5	305.5	305.5	305.4	305.6	305.5	305.6	305.4
31.5°	304.0	303.7	303.8	303.8	304.0	303.8	303.8	303.7	304.0	303.7	303.8
32°	302.3	301.9	302.2	301.9	301.9	301.9	302.2	301.9	302.3	301.9	302.2
32.5°	300.3	300.2	300.2	300.2	300.4	300.2	300.2	300.2	300.3	300.2	300.2
33°	298.4	298.1	298.4	298.4	298.1	298.4	298.4	298.1	298.4	298.1	298.4
33.5°	296.2	296.5	296.2	296.3	296.3	296.3	296.2	296.5	296.2	296.5	296.2
34°	294.5	294.6	294.6	294.3	294.8	294.3	294.6	294.6	294.5	294.6	294.6
34.5°	292.5	292.6	292.7	292.7	292.8	292.7	292.7	292.6	292.5	292.6	292.7
35°	290.5	290.8	290.8	290.7	290.7	290.7	290.8	290.8	290.5	290.8	290.8
35.5°	288.6	288.6	288.9	288.6	288.8	288.6	288.9	288.6	288.6	288.6	288.9
36°	286.6	286.6	286.8	286.6	287.0	286.6	286.8	286.6	286.6	286.6	286.8
36.5°	284.8	284.7	284.6	284.7	284.5	284.7	284.6	284.7	284.8	284.7	284.6
37°	282.6	282.3	282.7	282.4	282.6	282.4	282.7	282.3	282.6	282.3	282.7
37.5°	280.8	280.3	280.7	280.6	280.6	280.6	280.7	280.3	280.8	280.3	280.7
38°	278.8	278.5	278.7	278.5	278.5	278.5	278.7	278.5	278.8	278.5	278.7
38.5°	276.5	276.4	276.6	276.6	276.4	276.6	276.6	276.4	276.5	276.4	276.6
39°	274.3	274.6	274.3	274.3	274.2	274.3	274.3	274.6	274.3	274.6	274.3
39.5°	272.3	272.2	272.0	272.1	272.4	272.1	272.0	272.2	272.3	272.2	272.0
40°	270.1	270.0	269.8	270.0	270.0	270.0	269.8	270.0	270.1	270.0	269.8
40.5°	268.0	267.7	267.7	267.8	267.9	267.8	267.7	267.7	268.0	267.7	267.7
41°	265.7	265.3	265.8	265.6	265.8	265.6	265.8	265.3	265.7	265.3	265.8
41.5°	263.4	263.3	263.4	263.3	263.2	263.3	263.4	263.3	263.4	263.3	263.4
42°	261.4	260.9	261.0	261.1	261.3	261.1	261.0	260.9	261.4	260.9	261.0
42.5°	258.8	258.8	258.6	258.8	258.8	258.8	258.6	258.8	258.8	258.8	258.6
43°	256.4	256.5	256.5	256.4	256.3	256.4	256.5	256.5	256.4	256.5	256.5
43.5°	254.1	254.0	254.0	254.2	253.9	254.2	254.0	254.0	254.1	254.0	254.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	247.3	247.0	247.0	246.9	246.8	246.9	247.0	247.0	247.3	247.0	247.0
45.5°	244.9	244.6	244.7	244.5	244.7	244.5	244.7	244.6	244.9	244.6	244.7
46°	242.2	242.2	242.1	242.1	242.4	242.1	242.1	242.2	242.2	242.2	242.1
46.5°	239.8	239.8	239.7	239.7	240.0	239.7	239.7	239.8	239.8	239.8	239.7
47°	237.4	237.3	237.3	237.2	237.4	237.2	237.3	237.3	237.4	237.3	237.3
47.5°	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8
48°	232.3	232.3	232.3	232.2	232.3	232.2	232.3	232.3	232.3	232.3	232.3
48.5°	229.8	229.8	229.8	229.8	229.6	229.8	229.8	229.8	229.8	229.8	229.8
49°	227.2	227.3	227.2	227.1	227.3	227.1	227.2	227.3	227.2	227.3	227.2
49.5°	224.6	224.7	224.6	224.6	224.7	224.6	224.6	224.7	224.6	224.7	224.6
50°	222.1	222.1	222.0	222.0	222.3	222.0	222.0	222.1	222.1	222.1	222.0
50.5°	219.6	219.4	219.4	219.3	219.6	219.3	219.4	219.4	219.6	219.4	219.4
51°	216.9	216.8	216.9	216.7	216.8	216.7	216.9	216.8	216.9	216.8	216.9
51.5°	214.3	214.3	214.1	214.1	214.1	214.1	214.1	214.3	214.3	214.3	214.1
52°	211.6	211.6	211.5	211.6	211.6	211.6	211.5	211.6	211.6	211.6	211.5
52.5°	209.1	208.8	208.9	209.1	208.9	209.1	208.9	208.8	209.1	208.8	208.9
53°	206.2	206.2	206.2	206.1	206.3	206.1	206.2	206.2	206.2	206.2	206.2
53.5°	203.6	203.5	203.5	203.4	203.4	203.4	203.5	203.5	203.6	203.5	203.5
54°	200.6	200.6	200.8	200.8	200.7	200.8	200.8	200.6	200.6	200.6	200.8
54.5°	198.1	197.9	198.1	197.8	198.2	197.8	198.1	197.9	198.1	197.9	198.1
55°	195.3	195.2	195.2	195.1	195.5	195.1	195.2	195.2	195.3	195.2	195.2
55.5°	192.7	192.5	192.4	192.2	192.3	192.2	192.4	192.5	192.7	192.5	192.4
56°	189.5	189.6	189.6	189.5	189.6	189.5	189.6	189.6	189.5	189.6	189.6
56.5°	186.8	186.8	186.7	186.7	186.7	186.7	186.7	186.8	186.8	186.8	186.7
57°	183.6	183.7	183.9	183.8	183.8	183.8	183.9	183.7	183.6	183.7	183.9
57.5°	180.9	180.9	181.0	180.8	181.1	180.8	181.0	180.9	180.9	180.9	181.0
58°	178.1	178.3	178.1	178.0	178.2	178.0	178.1	178.3	178.1	178.3	178.1
58.5°	175.3	175.4	175.2	175.3	175.1	175.3	175.2	175.4	175.3	175.4	175.2
59°	172.4	172.4	172.4	172.2	172.4	172.2	172.4	172.4	172.4	172.4	172.4
59.5°	169.6	169.6	169.4	169.2	169.5	169.2	169.4	169.6	169.6	169.6	169.4
60°	166.5	166.5	166.6	166.6	166.4	166.6	166.6	166.5	166.5	166.5	166.6
60.5°	163.5	163.6	163.5	163.6	163.3	163.6	163.5	163.6	163.5	163.6	163.5
61°	160.6	160.6	160.6	160.5	160.6	160.5	160.6	160.6	160.6	160.6	160.6
61.5°	157.7	157.7	157.5	157.6	157.7	157.6	157.5	157.7	157.7	157.7	157.5
62°	154.7	154.6	154.5	154.4	154.4	154.4	154.5	154.6	154.7	154.6	154.5
62.5°	151.6	151.6	151.5	151.4	151.5	151.4	151.5	151.6	151.6	151.6	151.5
63°	148.3	148.5	148.6	148.5	148.4	148.5	148.6	148.5	148.3	148.5	148.6
63.5°	145.5	145.4	145.4	145.4	145.5	145.4	145.4	145.4	145.5	145.4	145.4
64°	142.3	142.2	142.3	142.4	142.4	142.4	142.3	142.2	142.3	142.2	142.3
64.5°	139.5	139.3	139.3	139.0	139.3	139.0	139.3	139.3	139.5	139.3	139.3
65°	136.1	136.2	136.1	135.9	136.2	135.9	136.1	136.2	136.1	136.2	136.1
65.5°	132.9	133.0	133.0	133.0	133.0	133.0	133.0	133.0	132.9	133.0	133.0
66°	129.8	130.0	129.8	129.8	129.8	129.8	129.8	130.0	129.8	130.0	129.8





TEST NUMBER: P938654

CATALOG NUMBER: SMX8RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	120.3	120.4	120.4	120.2	120.2	120.2	120.4	120.4	120.3	120.4	120.4
68°	117.3	117.3	117.1	117.0	117.2	117.0	117.1	117.3	117.3	117.3	117.1
68.5°	114.0	114.1	114.0	114.1	114.2	114.1	114.0	114.1	114.0	114.1	114.0
69°	110.9	110.8	110.9	110.9	110.9	110.9	110.9	110.8	110.9	110.8	110.9
69.5°	107.5	107.6	107.6	107.6	107.7	107.6	107.6	107.6	107.5	107.6	107.6
70°	104.4	104.5	104.4	104.4	104.3	104.4	104.4	104.5	104.4	104.5	104.4
70.5°	101.4	101.3	101.2	101.3	101.2	101.3	101.2	101.3	101.4	101.3	101.2
71°	98.2	98.1	98.1	98.0	98.0	98.0	98.1	98.1	98.2	98.1	98.1
71.5°	95.0	94.9	94.8	94.8	94.8	94.8	94.8	94.9	95.0	94.9	94.8
72°	91.7	91.7	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.6
72.5°	88.5	88.4	88.4	88.3	88.4	88.3	88.4	88.4	88.5	88.4	88.4
73°	85.0	85.0	85.0	85.2	85.0	85.2	85.0	85.0	85.0	85.0	85.0
73.5°	82.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	81.9	81.9
74°	78.8	78.8	78.8	78.6	78.7	78.6	78.8	78.8	78.8	78.8	78.8
74.5°	75.5	75.5	75.5	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5
75°	72.2	72.4	72.2	72.3	72.4	72.3	72.2	72.4	72.2	72.4	72.2
75.5°	69.1	69.1	69.1	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
76°	66.0	66.0	65.9	65.9	66.0	65.9	65.9	66.0	66.0	66.0	65.9
76.5°	62.9	62.8	62.8	62.8	62.9	62.8	62.8	62.8	62.9	62.8	62.8
77°	59.8	59.8	59.6	59.7	59.7	59.7	59.6	59.8	59.8	59.8	59.6
77.5°	56.6	56.6	56.6	56.6	56.5	56.6	56.6	56.6	56.6	56.6	56.6
78°	53.5	53.5	53.5	53.5	53.6	53.5	53.5	53.5	53.5	53.5	53.5
78.5°	50.4	50.4	50.4	50.4	50.5	50.4	50.4	50.4	50.4	50.4	50.4
79°	47.3	47.5	47.3	47.3	47.4	47.3	47.3	47.5	47.3	47.5	47.3
79.5°	44.5	44.4	44.4	44.4	44.5	44.4	44.4	44.4	44.5	44.4	44.4
80°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
80.5°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
81°	35.8	35.9	35.8	35.8	35.9	35.8	35.8	35.9	35.8	35.9	35.8
81.5°	33.1	33.1	33.1	33.0	33.1	33.0	33.1	33.1	33.1	33.1	33.1
82°	30.5	30.5	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.4
82.5°	27.8	27.8	27.8	27.7	27.8	27.7	27.8	27.8	27.8	27.8	27.8
83°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
83.5°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
84°	20.3	20.4	20.3	20.2	20.3	20.2	20.3	20.4	20.3	20.4	20.3
84.5°	18.1	18.1	17.9	18.0	18.0	18.0	17.9	18.1	18.1	18.1	17.9
85°	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.7	15.8	15.8
85.5°	13.6	13.6	13.7	13.8	13.9	13.8	13.7	13.6	13.6	13.6	13.7
86°	11.7	11.7	11.8	11.9	11.9	11.9	11.8	11.7	11.7	11.7	11.8
86.5°	10.0	10.0	9.9	10.0	10.5	10.0	9.9	10.0	10.0	10.0	9.9
87°	8.3	8.4	8.4	8.4	8.6	8.4	8.4	8.4	8.3	8.4	8.4
87.5°	6.9	6.8	6.9	7.0	7.1	7.0	6.9	6.8	6.9	6.8	6.9
88°	5.5	5.5	5.6	5.7	5.8	5.7	5.6	5.5	5.5	5.5	5.6
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: P938654  
CATALOG NUMBER: SMX8RLSFSD2W-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: P938654

CATALOG NUMBER: SMX8RLSFS2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	361.9	361.9	361.9	361.9	361.9	361.9
0.5°	362.3	361.8	362.3	361.9	361.5	362.0
1°	361.9	361.8	361.9	361.8	361.6	361.6
1.5°	361.8	361.6	361.8	361.8	361.6	361.7
2°	361.7	362.1	361.7	361.7	361.6	361.7
2.5°	361.5	361.5	361.5	361.6	361.4	361.7
3°	361.3	361.5	361.3	361.5	361.3	361.5
3.5°	361.3	361.3	361.3	361.0	360.9	361.3
4°	360.8	361.1	360.8	361.1	360.9	360.7
4.5°	360.8	361.1	360.8	360.9	360.7	360.5
5°	360.4	360.6	360.4	360.4	360.3	360.5
5.5°	360.2	360.3	360.2	359.9	359.8	360.2
6°	359.6	360.3	359.6	359.9	359.5	359.8
6.5°	359.3	359.5	359.3	359.4	359.3	359.6
7°	358.9	359.5	358.9	359.0	358.8	359.0
7.5°	358.6	358.7	358.6	358.3	358.5	358.3
8°	357.8	358.5	357.8	358.0	358.1	357.8
8.5°	357.2	357.6	357.2	357.6	357.5	358.0
9°	357.1	357.3	357.1	357.1	357.1	357.0
9.5°	356.4	356.4	356.4	356.4	356.2	356.8
10°	356.1	355.9	356.1	355.9	355.9	355.7
10.5°	355.3	355.8	355.3	355.3	354.9	355.4
11°	354.7	354.7	354.7	354.4	354.3	354.8
11.5°	354.0	353.9	354.0	353.9	353.8	353.5
12°	352.9	353.0	352.9	352.8	353.2	353.1
12.5°	352.5	352.5	352.5	352.4	352.4	352.5
13°	351.6	351.6	351.6	351.8	351.8	351.7
13.5°	351.0	351.0	351.0	351.0	350.8	350.7
14°	350.2	349.7	350.2	349.9	350.1	349.9
14.5°	349.2	349.5	349.2	349.2	349.1	349.1
15°	348.3	348.3	348.3	348.4	348.1	348.7
15.5°	347.4	347.5	347.4	347.4	347.2	347.2
16°	346.7	346.9	346.7	346.5	346.4	346.5
16.5°	345.4	345.6	345.4	345.4	345.4	345.2
17°	344.3	344.7	344.3	344.9	344.3	344.5
17.5°	343.6	343.4	343.6	343.5	343.2	343.5
18°	342.4	342.8	342.4	342.5	342.4	342.4
18.5°	341.4	341.3	341.4	341.3	341.3	341.6
19°	340.1	340.4	340.1	340.4	340.2	340.2
19.5°	339.2	339.4	339.2	339.1	339.1	339.2
20°	337.8	337.9	337.8	338.0	337.6	337.7
20.5°	336.7	336.9	336.7	336.5	336.8	337.0
21°	335.6	335.4	335.6	335.4	335.6	335.3



TEST NUMBER: P938654

CATALOG NUMBER: SMX8RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	331.9	332.0	331.9	331.7	331.7	331.9
23°	330.5	330.3	330.5	330.4	330.3	330.5
23.5°	329.2	329.4	329.2	329.2	329.0	329.3
24°	327.6	327.8	327.6	328.0	327.6	327.5
24.5°	326.2	326.5	326.2	326.4	326.1	326.6
25°	324.9	325.1	324.9	325.1	324.9	325.0
25.5°	323.3	323.5	323.3	323.4	323.0	323.3
26°	321.9	321.8	321.9	321.8	321.9	321.9
26.5°	320.3	320.1	320.3	320.2	320.2	320.2
27°	318.7	319.1	318.7	318.9	319.0	319.1
27.5°	317.2	317.0	317.2	317.2	317.0	317.3
28°	315.9	315.6	315.9	315.7	315.7	315.5
28.5°	313.8	313.9	313.8	313.9	314.1	314.4
29°	312.5	312.2	312.5	312.4	312.4	312.5
29.5°	310.5	310.7	310.5	310.6	310.4	310.6
30°	309.0	309.1	309.0	309.2	308.9	309.0
30.5°	307.4	307.4	307.4	307.3	307.1	307.6
31°	305.5	305.5	305.5	305.4	305.6	305.5
31.5°	303.8	304.0	303.8	303.8	303.7	304.0
32°	301.9	301.9	301.9	302.2	301.9	302.3
32.5°	300.2	300.4	300.2	300.2	300.2	300.3
33°	298.4	298.1	298.4	298.4	298.1	298.4
33.5°	296.3	296.3	296.3	296.2	296.5	296.2
34°	294.3	294.8	294.3	294.6	294.6	294.5
34.5°	292.7	292.8	292.7	292.7	292.6	292.5
35°	290.7	290.7	290.7	290.8	290.8	290.5
35.5°	288.6	288.8	288.6	288.9	288.6	288.6
36°	286.6	287.0	286.6	286.8	286.6	286.6
36.5°	284.7	284.5	284.7	284.6	284.7	284.8
37°	282.4	282.6	282.4	282.7	282.3	282.6
37.5°	280.6	280.6	280.6	280.7	280.3	280.8
38°	278.5	278.5	278.5	278.7	278.5	278.8
38.5°	276.6	276.4	276.6	276.6	276.4	276.5
39°	274.3	274.2	274.3	274.3	274.6	274.3
39.5°	272.1	272.4	272.1	272.0	272.2	272.3
40°	270.0	270.0	270.0	269.8	270.0	270.1
40.5°	267.8	267.9	267.8	267.7	267.7	268.0
41°	265.6	265.8	265.6	265.8	265.3	265.7
41.5°	263.3	263.2	263.3	263.4	263.3	263.4
42°	261.1	261.3	261.1	261.0	260.9	261.4
42.5°	258.8	258.8	258.8	258.6	258.8	258.8
43°	256.4	256.3	256.4	256.5	256.5	256.4
43.5°	254.2	253.9	254.2	254.0	254.0	254.1



TEST NUMBER: P938654

CATALOG NUMBER: SMX8RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	246.9	246.8	246.9	247.0	247.0	247.3
45.5°	244.5	244.7	244.5	244.7	244.6	244.9
46°	242.1	242.4	242.1	242.1	242.2	242.2
46.5°	239.7	240.0	239.7	239.7	239.8	239.8
47°	237.2	237.4	237.2	237.3	237.3	237.4
47.5°	234.8	234.8	234.8	234.8	234.8	234.8
48°	232.2	232.3	232.2	232.3	232.3	232.3
48.5°	229.8	229.6	229.8	229.8	229.8	229.8
49°	227.1	227.3	227.1	227.2	227.3	227.2
49.5°	224.6	224.7	224.6	224.6	224.7	224.6
50°	222.0	222.3	222.0	222.0	222.1	222.1
50.5°	219.3	219.6	219.3	219.4	219.4	219.6
51°	216.7	216.8	216.7	216.9	216.8	216.9
51.5°	214.1	214.1	214.1	214.1	214.3	214.3
52°	211.6	211.6	211.6	211.5	211.6	211.6
52.5°	209.1	208.9	209.1	208.9	208.8	209.1
53°	206.1	206.3	206.1	206.2	206.2	206.2
53.5°	203.4	203.4	203.4	203.5	203.5	203.6
54°	200.8	200.7	200.8	200.8	200.6	200.6
54.5°	197.8	198.2	197.8	198.1	197.9	198.1
55°	195.1	195.5	195.1	195.2	195.2	195.3
55.5°	192.2	192.3	192.2	192.4	192.5	192.7
56°	189.5	189.6	189.5	189.6	189.6	189.5
56.5°	186.7	186.7	186.7	186.7	186.8	186.8
57°	183.8	183.8	183.8	183.9	183.7	183.6
57.5°	180.8	181.1	180.8	181.0	180.9	180.9
58°	178.0	178.2	178.0	178.1	178.3	178.1
58.5°	175.3	175.1	175.3	175.2	175.4	175.3
59°	172.2	172.4	172.2	172.4	172.4	172.4
59.5°	169.2	169.5	169.2	169.4	169.6	169.6
60°	166.6	166.4	166.6	166.6	166.5	166.5
60.5°	163.6	163.3	163.6	163.5	163.6	163.5
61°	160.5	160.6	160.5	160.6	160.6	160.6
61.5°	157.6	157.7	157.6	157.5	157.7	157.7
62°	154.4	154.4	154.4	154.5	154.6	154.7
62.5°	151.4	151.5	151.4	151.5	151.6	151.6
63°	148.5	148.4	148.5	148.6	148.5	148.3
63.5°	145.4	145.5	145.4	145.4	145.4	145.5
64°	142.4	142.4	142.4	142.3	142.2	142.3
64.5°	139.0	139.3	139.0	139.3	139.3	139.5
65°	135.9	136.2	135.9	136.1	136.2	136.1
65.5°	133.0	133.0	133.0	133.0	133.0	132.9
66°	129.8	129.8	129.8	129.8	130.0	129.8



TEST NUMBER: P938654  
 CATALOG NUMBER: SMX8RLSFSD2W-900LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	120.2	120.2	120.2	120.4	120.4	120.3
68°	117.0	117.2	117.0	117.1	117.3	117.3
68.5°	114.1	114.2	114.1	114.0	114.1	114.0
69°	110.9	110.9	110.9	110.9	110.8	110.9
69.5°	107.6	107.7	107.6	107.6	107.6	107.5
70°	104.4	104.3	104.4	104.4	104.5	104.4
70.5°	101.3	101.2	101.3	101.2	101.3	101.4
71°	98.0	98.0	98.0	98.1	98.1	98.2
71.5°	94.8	94.8	94.8	94.8	94.9	95.0
72°	91.6	91.6	91.6	91.6	91.7	91.7
72.5°	88.3	88.4	88.3	88.4	88.4	88.5
73°	85.2	85.0	85.2	85.0	85.0	85.0
73.5°	81.9	81.9	81.9	81.9	81.9	82.0
74°	78.6	78.7	78.6	78.8	78.8	78.8
74.5°	75.4	75.4	75.4	75.5	75.5	75.5
75°	72.3	72.4	72.3	72.2	72.4	72.2
75.5°	69.0	69.0	69.0	69.1	69.1	69.1
76°	65.9	66.0	65.9	65.9	66.0	66.0
76.5°	62.8	62.9	62.8	62.8	62.8	62.9
77°	59.7	59.7	59.7	59.6	59.8	59.8
77.5°	56.6	56.5	56.6	56.6	56.6	56.6
78°	53.5	53.6	53.5	53.5	53.5	53.5
78.5°	50.4	50.5	50.4	50.4	50.4	50.4
79°	47.3	47.4	47.3	47.3	47.5	47.3
79.5°	44.4	44.5	44.4	44.4	44.4	44.5
80°	41.5	41.5	41.5	41.5	41.5	41.5
80.5°	38.6	38.6	38.6	38.6	38.6	38.6
81°	35.8	35.9	35.8	35.8	35.9	35.8
81.5°	33.0	33.1	33.0	33.1	33.1	33.1
82°	30.4	30.4	30.4	30.4	30.5	30.5
82.5°	27.7	27.8	27.7	27.8	27.8	27.8
83°	25.2	25.2	25.2	25.2	25.2	25.2
83.5°	22.7	22.7	22.7	22.7	22.7	22.7
84°	20.2	20.3	20.2	20.3	20.4	20.3
84.5°	18.0	18.0	18.0	17.9	18.1	18.1
85°	15.8	15.8	15.8	15.8	15.8	15.7
85.5°	13.8	13.9	13.8	13.7	13.6	13.6
86°	11.9	11.9	11.9	11.8	11.7	11.7
86.5°	10.0	10.5	10.0	9.9	10.0	10.0
87°	8.4	8.6	8.4	8.4	8.4	8.3
87.5°	7.0	7.1	7.0	6.9	6.8	6.9
88°	5.7	5.8	5.7	5.6	5.5	5.5
88.5°	4.5	4.6	4.5	4.5	4.5	4.5



TEST NUMBER: P938654  
CATALOG NUMBER: SMX8RLSFSD2W-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°	334.1	334.2	334.4	334.2	334.2	334.4	334.2	334.1	334.2	334.4
22°	333.2	332.7	333.3	332.9	332.9	333.3	332.7	333.2	332.7	333.3



44°	252.2	251.8	251.8	251.8	251.8	251.8	251.8	251.8	252.2	251.8	251.8
44.5°	249.9	249.5	249.3	249.5	249.5	249.5	249.3	249.5	249.9	249.5	249.3



66.5°	126.7	126.7	126.6	126.7	126.8	126.7	126.6	126.7	126.7	126.7	126.6
67°	123.5	123.5	123.5	123.5	123.6	123.5	123.5	123.5	123.5	123.5	123.5



89°	3.6	3.5	3.5	3.5	3.7	3.5	3.5	3.5	3.6	3.5	3.5
89.5°	2.7	2.8	2.7	2.8	2.8	2.8	2.7	2.8	2.7	2.8	2.7



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21.5°	334.2	334.2	334.2	334.4	334.2	334.1
22°	332.9	332.9	332.9	333.3	332.7	333.2



44°	251.8	251.8	251.8	251.8	251.8	252.2
44.5°	249.5	249.5	249.5	249.3	249.5	249.9



66.5°	126.7	126.8	126.7	126.6	126.7	126.7
67°	123.5	123.6	123.5	123.5	123.5	123.5



89°	3.5	3.7	3.5	3.5	3.5	3.6
89.5°	2.8	2.8	2.8	2.7	2.8	2.7

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(END OF REPORT)