

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: P938652

Luminaire Tested: SMX8RLSFSD2W-900LM-3000K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938652
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-3000K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

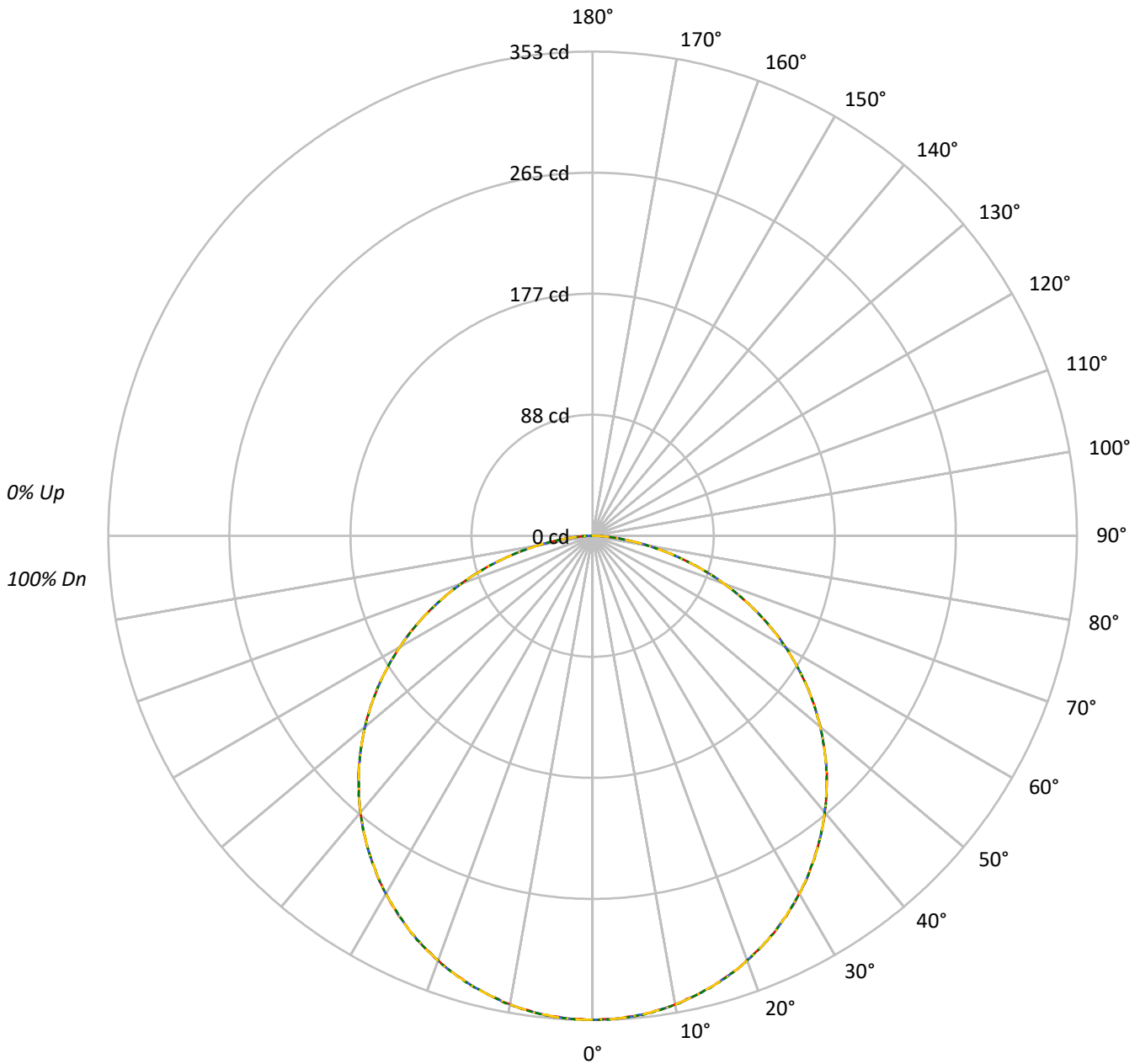
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1032.8 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.75' 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

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CATALOG NUMBER: SMX8RLSFS2W-900LM-3000K

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°	8596	8596	8596	8596
5°	8597	8599	8597	8599
10°	8582	8585	8582	8585
15°	8574	8566	8574	8566
20°	8536	8543	8536	8543
25°	8519	8519	8519	8519
30°	8477	8480	8477	8480
35°	8423	8429	8423	8429
40°	8374	8374	8374	8374
45°	8307	8294	8307	8294
50°	8206	8214	8206	8214
55°	8088	8096	8088	8096
60°	7909	7904	7909	7904
65°	7650	7656	7650	7656
70°	7252	7245	7252	7245
75°	6627	6646	6627	6646
80°	5669	5683	5669	5683
85°	4277	4333	4277	4333

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8307 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	3.2
10°-20°	95.9	9.3
20°-30°	146.0	14.1
30°-40°	177.3	17.2
40°-50°	185.8	18.0
50°-60°	170.0	16.5
60°-70°	131.1	12.7
70°-80°	74.5	7.2
80°-90°	18.9	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°	275.2	26.7
0°-40°	452.6	43.8
0°-60°	808.3	78.3
0°-90°	1032.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	353	353	353	353	353	
5°	352	352	352	352	352	33
15°	340	340	340	340	340	96
25°	317	317	317	317	317	146
35°	283	283	283	283	283	177
45°	241	241	241	241	241	186
55°	190	191	190	191	190	170
65°	133	133	133	133	133	131
75°	70	71	70	71	70	75
85°	15	16	15	16	15	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°	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8
0.5°	353.0	352.5	352.9	353.2	352.8	353.2	352.9	352.5	353.0	352.5	352.9
1°	352.6	352.6	352.8	352.9	352.8	352.9	352.8	352.6	352.6	352.6	352.8
1.5°	352.6	352.6	352.8	352.8	352.6	352.8	352.8	352.6	352.6	352.6	352.8
2°	352.6	352.6	352.7	352.7	353.0	352.7	352.7	352.6	352.6	352.6	352.7
2.5°	352.6	352.4	352.6	352.5	352.5	352.5	352.6	352.4	352.6	352.4	352.6
3°	352.4	352.2	352.5	352.2	352.4	352.2	352.5	352.2	352.4	352.2	352.5
3.5°	352.2	351.9	352.0	352.3	352.3	352.3	352.0	351.9	352.2	351.9	352.0
4°	351.7	351.8	352.0	351.8	352.0	351.8	352.0	351.8	351.7	351.8	352.0
4.5°	351.5	351.7	351.8	351.8	352.0	351.8	351.8	351.7	351.5	351.7	351.8
5°	351.5	351.3	351.4	351.4	351.6	351.4	351.4	351.3	351.5	351.3	351.4
5.5°	351.2	350.8	350.9	351.2	351.3	351.2	350.9	350.8	351.2	350.8	350.9
6°	350.8	350.5	350.9	350.6	351.3	350.6	350.9	350.5	350.8	350.5	350.9
6.5°	350.6	350.3	350.4	350.3	350.5	350.3	350.4	350.3	350.6	350.3	350.4
7°	350.0	349.8	350.0	349.9	350.5	349.9	350.0	349.8	350.0	349.8	350.0
7.5°	349.3	349.5	349.3	349.7	349.7	349.7	349.3	349.5	349.3	349.5	349.3
8°	348.9	349.2	349.1	348.9	349.5	348.9	349.1	349.2	348.9	349.2	349.1
8.5°	349.0	348.6	348.6	348.2	348.6	348.2	348.6	348.6	349.0	348.6	348.6
9°	348.1	348.2	348.2	348.2	348.4	348.2	348.2	348.2	348.1	348.2	348.2
9.5°	347.8	347.3	347.4	347.4	347.5	347.4	347.4	347.3	347.8	347.3	347.4
10°	346.9	347.0	347.0	347.2	347.0	347.2	347.0	347.0	346.9	347.0	347.0
10.5°	346.5	346.0	346.5	346.5	346.9	346.5	346.5	346.0	346.5	346.0	346.5
11°	345.9	345.4	345.5	345.9	345.9	345.9	345.5	345.4	345.9	345.4	345.5
11.5°	344.6	344.9	345.1	345.1	345.0	345.1	345.1	344.9	344.6	344.9	345.1
12°	344.3	344.4	344.0	344.1	344.2	344.1	344.0	344.4	344.3	344.4	344.0
12.5°	343.7	343.6	343.6	343.7	343.7	343.7	343.6	343.6	343.7	343.6	343.6
13°	342.9	343.0	343.0	342.8	342.8	342.8	343.0	343.0	342.9	343.0	343.0
13.5°	341.9	342.1	342.2	342.2	342.2	342.2	342.2	342.1	341.9	342.1	342.2
14°	341.1	341.4	341.2	341.5	340.9	341.5	341.2	341.4	341.1	341.4	341.2
14.5°	340.4	340.3	340.5	340.5	340.8	340.5	340.5	340.3	340.4	340.3	340.5
15°	339.9	339.4	339.7	339.6	339.6	339.6	339.7	339.4	339.9	339.4	339.7
15.5°	338.5	338.5	338.8	338.7	338.8	338.7	338.8	338.5	338.5	338.5	338.8
16°	337.8	337.7	337.8	338.0	338.2	338.0	337.8	337.7	337.8	337.7	337.8
16.5°	336.5	336.8	336.8	336.7	336.9	336.7	336.8	336.8	336.5	336.8	336.8
17°	335.9	335.7	336.3	335.7	336.1	335.7	336.3	335.7	335.9	335.7	336.3
17.5°	334.9	334.6	334.9	335.0	334.8	335.0	334.9	334.6	334.9	334.6	334.9
18°	333.8	333.8	333.9	333.8	334.2	333.8	333.9	333.8	333.8	333.8	333.9
18.5°	333.1	332.8	332.8	332.8	332.8	332.8	332.8	332.8	333.1	332.8	332.8
19°	331.7	331.7	331.9	331.6	331.9	331.6	331.9	331.7	331.7	331.7	331.9
19.5°	330.7	330.6	330.6	330.7	330.9	330.7	330.6	330.6	330.7	330.6	330.6
20°	329.2	329.2	329.6	329.4	329.5	329.4	329.6	329.2	329.2	329.2	329.6
20.5°	328.6	328.4	328.1	328.2	328.5	328.2	328.1	328.4	328.6	328.4	328.1
21°	326.9	327.3	327.1	327.2	327.1	327.2	327.1	327.3	326.9	327.3	327.1



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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°	323.6	323.4	323.4	323.6	323.7	323.6	323.4	323.4	323.6	323.4	323.4
23°	322.2	322.1	322.1	322.3	322.0	322.3	322.1	322.1	322.2	322.1	322.1
23.5°	321.1	320.7	320.9	321.0	321.2	321.0	320.9	320.7	321.1	320.7	320.9
24°	319.3	319.4	319.8	319.4	319.6	319.4	319.8	319.4	319.3	319.4	319.8
24.5°	318.4	318.0	318.2	318.1	318.4	318.1	318.2	318.0	318.4	318.0	318.2
25°	316.9	316.8	316.9	316.8	316.9	316.8	316.9	316.8	316.9	316.8	316.9
25.5°	315.2	315.0	315.4	315.2	315.4	315.2	315.4	315.0	315.2	315.0	315.4
26°	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8
26.5°	312.2	312.2	312.2	312.3	312.1	312.3	312.2	312.2	312.2	312.2	312.2
27°	311.1	311.0	310.9	310.8	311.1	310.8	310.9	311.0	311.1	311.0	310.9
27.5°	309.4	309.0	309.2	309.2	309.0	309.2	309.2	309.0	309.4	309.0	309.2
28°	307.6	307.8	307.8	308.0	307.7	308.0	307.8	307.8	307.6	307.8	307.8
28.5°	306.5	306.2	306.1	306.0	306.1	306.0	306.1	306.2	306.5	306.2	306.1
29°	304.7	304.6	304.6	304.7	304.4	304.7	304.6	304.6	304.7	304.6	304.6
29.5°	302.8	302.7	302.9	302.7	302.9	302.7	302.9	302.7	302.8	302.7	302.9
30°	301.3	301.2	301.5	301.3	301.4	301.3	301.5	301.2	301.3	301.2	301.5
30.5°	299.9	299.4	299.6	299.7	299.7	299.7	299.6	299.4	299.9	299.4	299.6
31°	297.9	297.9	297.8	297.9	297.9	297.9	297.8	297.9	297.9	297.9	297.8
31.5°	296.4	296.2	296.2	296.2	296.4	296.2	296.2	296.2	296.4	296.2	296.2
32°	294.8	294.4	294.6	294.4	294.4	294.4	294.6	294.4	294.8	294.4	294.6
32.5°	292.8	292.7	292.7	292.7	292.9	292.7	292.7	292.7	292.8	292.7	292.7
33°	290.9	290.6	290.9	291.0	290.6	291.0	290.9	290.6	290.9	290.6	290.9
33.5°	288.8	289.1	288.8	288.9	288.9	288.9	288.8	289.1	288.8	289.1	288.8
34°	287.1	287.3	287.2	286.9	287.4	286.9	287.2	287.3	287.1	287.3	287.2
34.5°	285.2	285.3	285.4	285.4	285.5	285.4	285.4	285.3	285.2	285.3	285.4
35°	283.2	283.5	283.5	283.5	283.4	283.5	283.5	283.5	283.2	283.5	283.5
35.5°	281.4	281.4	281.7	281.4	281.6	281.4	281.7	281.4	281.4	281.4	281.7
36°	279.5	279.4	279.6	279.5	279.8	279.5	279.6	279.4	279.5	279.4	279.6
36.5°	277.7	277.6	277.5	277.6	277.4	277.6	277.5	277.6	277.7	277.6	277.5
37°	275.6	275.2	275.6	275.4	275.5	275.4	275.6	275.2	275.6	275.2	275.6
37.5°	273.8	273.3	273.7	273.6	273.6	273.6	273.7	273.3	273.8	273.3	273.7
38°	271.8	271.5	271.8	271.6	271.5	271.6	271.8	271.5	271.8	271.5	271.8
38.5°	269.6	269.5	269.7	269.7	269.5	269.7	269.7	269.5	269.6	269.5	269.7
39°	267.5	267.7	267.4	267.5	267.4	267.5	267.4	267.7	267.5	267.7	267.4
39.5°	265.5	265.4	265.2	265.3	265.6	265.3	265.2	265.4	265.5	265.4	265.2
40°	263.3	263.2	263.0	263.3	263.3	263.3	263.0	263.2	263.3	263.2	263.0
40.5°	261.3	261.0	261.0	261.1	261.2	261.1	261.0	261.0	261.3	261.0	261.0
41°	259.1	258.7	259.2	258.9	259.1	258.9	259.2	258.7	259.1	258.7	259.2
41.5°	256.8	256.7	256.8	256.7	256.6	256.7	256.8	256.7	256.8	256.7	256.8
42°	254.9	254.3	254.5	254.5	254.8	254.5	254.5	254.3	254.9	254.3	254.5
42.5°	252.3	252.3	252.1	252.3	252.4	252.3	252.1	252.3	252.3	252.3	252.1
43°	250.0	250.1	250.1	250.0	249.9	250.0	250.1	250.1	250.0	250.1	250.1
43.5°	247.8	247.7	247.7	247.8	247.6	247.8	247.7	247.7	247.8	247.7	247.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	241.1	240.9	240.9	240.7	240.7	240.7	240.9	240.9	241.1	240.9	240.9
45.5°	238.8	238.5	238.6	238.4	238.6	238.4	238.6	238.5	238.8	238.5	238.6
46°	236.1	236.2	236.1	236.1	236.4	236.1	236.1	236.2	236.1	236.2	236.1
46.5°	233.8	233.8	233.7	233.7	234.0	233.7	233.7	233.8	233.8	233.8	233.7
47°	231.5	231.4	231.3	231.3	231.5	231.3	231.3	231.4	231.5	231.4	231.3
47.5°	229.0	228.9	229.0	228.9	228.9	228.9	229.0	228.9	229.0	228.9	229.0
48°	226.5	226.5	226.5	226.4	226.5	226.4	226.5	226.5	226.5	226.5	226.5
48.5°	224.1	224.1	224.0	224.0	223.9	224.0	224.0	224.1	224.1	224.1	224.0
49°	221.5	221.6	221.5	221.5	221.7	221.5	221.5	221.6	221.5	221.6	221.5
49.5°	219.0	219.1	219.0	219.0	219.1	219.0	219.0	219.1	219.0	219.1	219.0
50°	216.5	216.6	216.5	216.5	216.7	216.5	216.5	216.6	216.5	216.6	216.5
50.5°	214.1	214.0	214.0	213.8	214.1	213.8	214.0	214.0	214.1	214.0	214.0
51°	211.5	211.3	211.5	211.3	211.3	211.3	211.5	211.3	211.5	211.3	211.5
51.5°	208.9	208.9	208.8	208.8	208.7	208.8	208.8	208.9	208.9	208.9	208.8
52°	206.3	206.3	206.2	206.3	206.3	206.3	206.2	206.3	206.3	206.3	206.2
52.5°	203.8	203.6	203.7	203.8	203.6	203.8	203.7	203.6	203.8	203.6	203.7
53°	201.1	201.1	201.1	200.9	201.1	200.9	201.1	201.1	201.1	201.1	201.1
53.5°	198.5	198.4	198.4	198.3	198.3	198.3	198.4	198.4	198.5	198.4	198.4
54°	195.6	195.6	195.8	195.7	195.7	195.7	195.8	195.6	195.6	195.6	195.8
54.5°	193.1	192.9	193.1	192.9	193.3	192.9	193.1	192.9	193.1	192.9	193.1
55°	190.4	190.4	190.3	190.2	190.6	190.2	190.3	190.4	190.4	190.4	190.3
55.5°	187.9	187.7	187.6	187.4	187.5	187.4	187.6	187.7	187.9	187.7	187.6
56°	184.8	184.9	184.9	184.8	184.9	184.8	184.9	184.9	184.8	184.9	184.9
56.5°	182.1	182.1	182.1	182.1	182.1	182.1	182.1	182.1	182.1	182.1	182.1
57°	179.0	179.1	179.3	179.2	179.2	179.2	179.3	179.1	179.0	179.1	179.3
57.5°	176.4	176.4	176.5	176.3	176.6	176.3	176.5	176.4	176.4	176.4	176.5
58°	173.7	173.9	173.7	173.6	173.7	173.6	173.7	173.9	173.7	173.9	173.7
58.5°	171.0	171.0	170.8	170.9	170.7	170.9	170.8	171.0	171.0	171.0	170.8
59°	168.1	168.1	168.1	167.9	168.1	167.9	168.1	168.1	168.1	168.1	168.1
59.5°	165.4	165.4	165.2	165.0	165.3	165.0	165.2	165.4	165.4	165.4	165.2
60°	162.3	162.3	162.4	162.4	162.2	162.4	162.4	162.3	162.3	162.3	162.4
60.5°	159.4	159.5	159.5	159.5	159.3	159.5	159.5	159.5	159.4	159.5	159.5
61°	156.6	156.6	156.6	156.5	156.6	156.5	156.6	156.6	156.6	156.6	156.6
61.5°	153.8	153.7	153.5	153.7	153.7	153.7	153.5	153.7	153.8	153.7	153.5
62°	150.8	150.8	150.6	150.6	150.6	150.6	150.6	150.8	150.8	150.8	150.6
62.5°	147.8	147.8	147.7	147.6	147.7	147.6	147.7	147.8	147.8	147.8	147.7
63°	144.6	144.8	144.9	144.8	144.7	144.8	144.9	144.8	144.6	144.8	144.9
63.5°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
64°	138.7	138.6	138.7	138.8	138.8	138.8	138.7	138.6	138.7	138.6	138.7
64.5°	136.0	135.8	135.8	135.5	135.8	135.5	135.8	135.8	136.0	135.8	135.8
65°	132.7	132.8	132.7	132.5	132.8	132.5	132.7	132.8	132.7	132.8	132.7
65.5°	129.5	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.5	129.7	129.7
66°	126.5	126.7	126.5	126.5	126.6	126.5	126.5	126.7	126.5	126.7	126.5



TEST NUMBER: P938652

CATALOG NUMBER: SMX8RLSFS2W-900LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	117.3	117.4	117.4	117.2	117.2	117.2	117.4	117.4	117.3	117.4	117.4
68°	114.4	114.4	114.2	114.1	114.3	114.1	114.2	114.4	114.4	114.4	114.2
68.5°	111.2	111.3	111.2	111.3	111.4	111.3	111.2	111.3	111.2	111.3	111.2
69°	108.1	108.0	108.1	108.2	108.2	108.2	108.1	108.0	108.1	108.0	108.1
69.5°	104.8	104.9	104.9	104.9	105.0	104.9	104.9	104.9	104.8	104.9	104.9
70°	101.8	101.9	101.8	101.8	101.7	101.8	101.8	101.9	101.8	101.9	101.8
70.5°	98.8	98.8	98.6	98.8	98.7	98.8	98.6	98.8	98.8	98.8	98.6
71°	95.7	95.6	95.7	95.5	95.5	95.5	95.7	95.6	95.7	95.6	95.7
71.5°	92.6	92.5	92.4	92.4	92.4	92.4	92.4	92.5	92.6	92.5	92.4
72°	89.4	89.4	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.3
72.5°	86.3	86.2	86.2	86.1	86.2	86.1	86.2	86.2	86.3	86.2	86.2
73°	82.9	82.9	82.9	83.0	82.9	83.0	82.9	82.9	82.9	82.9	82.9
73.5°	80.0	79.9	79.9	79.8	79.8	79.8	79.9	79.9	80.0	79.9	79.9
74°	76.8	76.8	76.8	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8
74.5°	73.6	73.6	73.6	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6
75°	70.4	70.6	70.4	70.5	70.6	70.5	70.4	70.6	70.4	70.6	70.4
75.5°	67.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.3	67.3
76°	64.4	64.3	64.2	64.2	64.3	64.2	64.2	64.3	64.4	64.3	64.2
76.5°	61.3	61.2	61.2	61.2	61.3	61.2	61.2	61.2	61.3	61.2	61.2
77°	58.3	58.3	58.1	58.2	58.2	58.2	58.1	58.3	58.3	58.3	58.1
77.5°	55.2	55.2	55.2	55.2	55.1	55.2	55.2	55.2	55.2	55.2	55.2
78°	52.1	52.2	52.1	52.2	52.3	52.2	52.1	52.2	52.1	52.2	52.1
78.5°	49.2	49.2	49.1	49.1	49.2	49.1	49.1	49.2	49.2	49.2	49.1
79°	46.2	46.3	46.1	46.2	46.2	46.2	46.1	46.3	46.2	46.3	46.1
79.5°	43.4	43.3	43.3	43.3	43.4	43.3	43.3	43.3	43.4	43.3	43.3
80°	40.4	40.4	40.4	40.5	40.5	40.5	40.4	40.4	40.4	40.4	40.4
80.5°	37.7	37.7	37.7	37.7	37.6	37.7	37.7	37.7	37.7	37.7	37.7
81°	34.9	35.0	34.9	34.9	35.0	34.9	34.9	35.0	34.9	35.0	34.9
81.5°	32.3	32.3	32.3	32.2	32.3	32.2	32.3	32.3	32.3	32.3	32.3
82°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
82.5°	27.1	27.1	27.1	27.0	27.1	27.0	27.1	27.1	27.1	27.1	27.1
83°	24.6	24.6	24.6	24.5	24.6	24.5	24.6	24.6	24.6	24.6	24.6
83.5°	22.2	22.2	22.1	22.1	22.1	22.1	22.1	22.2	22.2	22.2	22.1
84°	19.8	19.9	19.8	19.7	19.8	19.7	19.8	19.9	19.8	19.9	19.8
84.5°	17.6	17.6	17.5	17.6	17.6	17.6	17.5	17.6	17.6	17.6	17.5
85°	15.3	15.4	15.4	15.4	15.5	15.4	15.4	15.4	15.3	15.4	15.4
85.5°	13.3	13.3	13.3	13.4	13.5	13.4	13.3	13.3	13.3	13.3	13.3
86°	11.4	11.4	11.5	11.6	11.6	11.6	11.5	11.4	11.4	11.4	11.5
86.5°	9.7	9.7	9.7	9.8	10.2	9.8	9.7	9.7	9.7	9.7	9.7
87°	8.1	8.2	8.2	8.2	8.4	8.2	8.2	8.2	8.1	8.2	8.2
87.5°	6.7	6.6	6.7	6.8	7.0	6.8	6.7	6.6	6.7	6.6	6.7
88°	5.4	5.4	5.5	5.5	5.7	5.5	5.5	5.4	5.4	5.4	5.5
88.5°	4.3	4.3	4.3	4.3	4.5	4.3	4.3	4.3	4.3	4.3	4.3



TEST NUMBER: P938652
CATALOG NUMBER: SMX8RLSFSD2W-900LM-3000K

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: P938652

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	352.8	352.8	352.8	352.8	352.8	352.8
0.5°	353.2	352.8	353.2	352.9	352.5	353.0
1°	352.9	352.8	352.9	352.8	352.6	352.6
1.5°	352.8	352.6	352.8	352.8	352.6	352.6
2°	352.7	353.0	352.7	352.7	352.6	352.6
2.5°	352.5	352.5	352.5	352.6	352.4	352.6
3°	352.2	352.4	352.2	352.5	352.2	352.4
3.5°	352.3	352.3	352.3	352.0	351.9	352.2
4°	351.8	352.0	351.8	352.0	351.8	351.7
4.5°	351.8	352.0	351.8	351.8	351.7	351.5
5°	351.4	351.6	351.4	351.4	351.3	351.5
5.5°	351.2	351.3	351.2	350.9	350.8	351.2
6°	350.6	351.3	350.6	350.9	350.5	350.8
6.5°	350.3	350.5	350.3	350.4	350.3	350.6
7°	349.9	350.5	349.9	350.0	349.8	350.0
7.5°	349.7	349.7	349.7	349.3	349.5	349.3
8°	348.9	349.5	348.9	349.1	349.2	348.9
8.5°	348.2	348.6	348.2	348.6	348.6	349.0
9°	348.2	348.4	348.2	348.2	348.2	348.1
9.5°	347.4	347.5	347.4	347.4	347.3	347.8
10°	347.2	347.0	347.2	347.0	347.0	346.9
10.5°	346.5	346.9	346.5	346.5	346.0	346.5
11°	345.9	345.9	345.9	345.5	345.4	345.9
11.5°	345.1	345.0	345.1	345.1	344.9	344.6
12°	344.1	344.2	344.1	344.0	344.4	344.3
12.5°	343.7	343.7	343.7	343.6	343.6	343.7
13°	342.8	342.8	342.8	343.0	343.0	342.9
13.5°	342.2	342.2	342.2	342.2	342.1	341.9
14°	341.5	340.9	341.5	341.2	341.4	341.1
14.5°	340.5	340.8	340.5	340.5	340.3	340.4
15°	339.6	339.6	339.6	339.7	339.4	339.9
15.5°	338.7	338.8	338.7	338.8	338.5	338.5
16°	338.0	338.2	338.0	337.8	337.7	337.8
16.5°	336.7	336.9	336.7	336.8	336.8	336.5
17°	335.7	336.1	335.7	336.3	335.7	335.9
17.5°	335.0	334.8	335.0	334.9	334.6	334.9
18°	333.8	334.2	333.8	333.9	333.8	333.8
18.5°	332.8	332.8	332.8	332.8	332.8	333.1
19°	331.6	331.9	331.6	331.9	331.7	331.7
19.5°	330.7	330.9	330.7	330.6	330.6	330.7
20°	329.4	329.5	329.4	329.6	329.2	329.2
20.5°	328.2	328.5	328.2	328.1	328.4	328.6
21°	327.2	327.1	327.2	327.1	327.3	326.9



TEST NUMBER: P938652

CATALOG NUMBER: SMX8RLSFS2W-900LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	323.6	323.7	323.6	323.4	323.4	323.6
23°	322.3	322.0	322.3	322.1	322.1	322.2
23.5°	321.0	321.2	321.0	320.9	320.7	321.1
24°	319.4	319.6	319.4	319.8	319.4	319.3
24.5°	318.1	318.4	318.1	318.2	318.0	318.4
25°	316.8	316.9	316.8	316.9	316.8	316.9
25.5°	315.2	315.4	315.2	315.4	315.0	315.2
26°	313.8	313.8	313.8	313.8	313.8	313.8
26.5°	312.3	312.1	312.3	312.2	312.2	312.2
27°	310.8	311.1	310.8	310.9	311.0	311.1
27.5°	309.2	309.0	309.2	309.2	309.0	309.4
28°	308.0	307.7	308.0	307.8	307.8	307.6
28.5°	306.0	306.1	306.0	306.1	306.2	306.5
29°	304.7	304.4	304.7	304.6	304.6	304.7
29.5°	302.7	302.9	302.7	302.9	302.7	302.8
30°	301.3	301.4	301.3	301.5	301.2	301.3
30.5°	299.7	299.7	299.7	299.6	299.4	299.9
31°	297.9	297.9	297.9	297.8	297.9	297.9
31.5°	296.2	296.4	296.2	296.2	296.2	296.4
32°	294.4	294.4	294.4	294.6	294.4	294.8
32.5°	292.7	292.9	292.7	292.7	292.7	292.8
33°	291.0	290.6	291.0	290.9	290.6	290.9
33.5°	288.9	288.9	288.9	288.8	289.1	288.8
34°	286.9	287.4	286.9	287.2	287.3	287.1
34.5°	285.4	285.5	285.4	285.4	285.3	285.2
35°	283.5	283.4	283.5	283.5	283.5	283.2
35.5°	281.4	281.6	281.4	281.7	281.4	281.4
36°	279.5	279.8	279.5	279.6	279.4	279.5
36.5°	277.6	277.4	277.6	277.5	277.6	277.7
37°	275.4	275.5	275.4	275.6	275.2	275.6
37.5°	273.6	273.6	273.6	273.7	273.3	273.8
38°	271.6	271.5	271.6	271.8	271.5	271.8
38.5°	269.7	269.5	269.7	269.7	269.5	269.6
39°	267.5	267.4	267.5	267.4	267.7	267.5
39.5°	265.3	265.6	265.3	265.2	265.4	265.5
40°	263.3	263.3	263.3	263.0	263.2	263.3
40.5°	261.1	261.2	261.1	261.0	261.0	261.3
41°	258.9	259.1	258.9	259.2	258.7	259.1
41.5°	256.7	256.6	256.7	256.8	256.7	256.8
42°	254.5	254.8	254.5	254.5	254.3	254.9
42.5°	252.3	252.4	252.3	252.1	252.3	252.3
43°	250.0	249.9	250.0	250.1	250.1	250.0
43.5°	247.8	247.6	247.8	247.7	247.7	247.8

TEST NUMBER: P938652

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	240.7	240.7	240.7	240.9	240.9	241.1
45.5°	238.4	238.6	238.4	238.6	238.5	238.8
46°	236.1	236.4	236.1	236.1	236.2	236.1
46.5°	233.7	234.0	233.7	233.7	233.8	233.8
47°	231.3	231.5	231.3	231.3	231.4	231.5
47.5°	228.9	228.9	228.9	229.0	228.9	229.0
48°	226.4	226.5	226.4	226.5	226.5	226.5
48.5°	224.0	223.9	224.0	224.0	224.1	224.1
49°	221.5	221.7	221.5	221.5	221.6	221.5
49.5°	219.0	219.1	219.0	219.0	219.1	219.0
50°	216.5	216.7	216.5	216.5	216.6	216.5
50.5°	213.8	214.1	213.8	214.0	214.0	214.1
51°	211.3	211.3	211.3	211.5	211.3	211.5
51.5°	208.8	208.7	208.8	208.8	208.9	208.9
52°	206.3	206.3	206.3	206.2	206.3	206.3
52.5°	203.8	203.6	203.8	203.7	203.6	203.8
53°	200.9	201.1	200.9	201.1	201.1	201.1
53.5°	198.3	198.3	198.3	198.4	198.4	198.5
54°	195.7	195.7	195.7	195.8	195.6	195.6
54.5°	192.9	193.3	192.9	193.1	192.9	193.1
55°	190.2	190.6	190.2	190.3	190.4	190.4
55.5°	187.4	187.5	187.4	187.6	187.7	187.9
56°	184.8	184.9	184.8	184.9	184.9	184.8
56.5°	182.1	182.1	182.1	182.1	182.1	182.1
57°	179.2	179.2	179.2	179.3	179.1	179.0
57.5°	176.3	176.6	176.3	176.5	176.4	176.4
58°	173.6	173.7	173.6	173.7	173.9	173.7
58.5°	170.9	170.7	170.9	170.8	171.0	171.0
59°	167.9	168.1	167.9	168.1	168.1	168.1
59.5°	165.0	165.3	165.0	165.2	165.4	165.4
60°	162.4	162.2	162.4	162.4	162.3	162.3
60.5°	159.5	159.3	159.5	159.5	159.5	159.4
61°	156.5	156.6	156.5	156.6	156.6	156.6
61.5°	153.7	153.7	153.7	153.5	153.7	153.8
62°	150.6	150.6	150.6	150.6	150.8	150.8
62.5°	147.6	147.7	147.6	147.7	147.8	147.8
63°	144.8	144.7	144.8	144.9	144.8	144.6
63.5°	141.8	141.8	141.8	141.8	141.8	141.8
64°	138.8	138.8	138.8	138.7	138.6	138.7
64.5°	135.5	135.8	135.5	135.8	135.8	136.0
65°	132.5	132.8	132.5	132.7	132.8	132.7
65.5°	129.7	129.7	129.7	129.7	129.7	129.5
66°	126.5	126.6	126.5	126.5	126.7	126.5



TEST NUMBER: P938652
 CATALOG NUMBER: SMX8RLSFSD2W-900LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	117.2	117.2	117.2	117.4	117.4	117.3
68°	114.1	114.3	114.1	114.2	114.4	114.4
68.5°	111.3	111.4	111.3	111.2	111.3	111.2
69°	108.2	108.2	108.2	108.1	108.0	108.1
69.5°	104.9	105.0	104.9	104.9	104.9	104.8
70°	101.8	101.7	101.8	101.8	101.9	101.8
70.5°	98.8	98.7	98.8	98.6	98.8	98.8
71°	95.5	95.5	95.5	95.7	95.6	95.7
71.5°	92.4	92.4	92.4	92.4	92.5	92.6
72°	89.3	89.3	89.3	89.3	89.4	89.4
72.5°	86.1	86.2	86.1	86.2	86.2	86.3
73°	83.0	82.9	83.0	82.9	82.9	82.9
73.5°	79.8	79.8	79.8	79.9	79.9	80.0
74°	76.7	76.7	76.7	76.8	76.8	76.8
74.5°	73.5	73.5	73.5	73.6	73.6	73.6
75°	70.5	70.6	70.5	70.4	70.6	70.4
75.5°	67.3	67.3	67.3	67.3	67.3	67.4
76°	64.2	64.3	64.2	64.2	64.3	64.4
76.5°	61.2	61.3	61.2	61.2	61.2	61.3
77°	58.2	58.2	58.2	58.1	58.3	58.3
77.5°	55.2	55.1	55.2	55.2	55.2	55.2
78°	52.2	52.3	52.2	52.1	52.2	52.1
78.5°	49.1	49.2	49.1	49.1	49.2	49.2
79°	46.2	46.2	46.2	46.1	46.3	46.2
79.5°	43.3	43.4	43.3	43.3	43.3	43.4
80°	40.5	40.5	40.5	40.4	40.4	40.4
80.5°	37.7	37.6	37.7	37.7	37.7	37.7
81°	34.9	35.0	34.9	34.9	35.0	34.9
81.5°	32.2	32.3	32.2	32.3	32.3	32.3
82°	29.7	29.7	29.7	29.7	29.7	29.7
82.5°	27.0	27.1	27.0	27.1	27.1	27.1
83°	24.5	24.6	24.5	24.6	24.6	24.6
83.5°	22.1	22.1	22.1	22.1	22.2	22.2
84°	19.7	19.8	19.7	19.8	19.9	19.8
84.5°	17.6	17.6	17.6	17.5	17.6	17.6
85°	15.4	15.5	15.4	15.4	15.4	15.3
85.5°	13.4	13.5	13.4	13.3	13.3	13.3
86°	11.6	11.6	11.6	11.5	11.4	11.4
86.5°	9.8	10.2	9.8	9.7	9.7	9.7
87°	8.2	8.4	8.2	8.2	8.2	8.1
87.5°	6.8	7.0	6.8	6.7	6.6	6.7
88°	5.5	5.7	5.5	5.5	5.4	5.4
88.5°	4.3	4.5	4.3	4.3	4.3	4.3



TEST NUMBER: P938652
CATALOG NUMBER: SMX8RLSFSD2W-900LM-3000K

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°	325.7	325.8	326.1	325.8	325.9	325.8	326.1	325.8	325.7	325.8	326.1
22°	324.9	324.4	325.0	324.6	324.6	324.6	325.0	324.4	324.9	324.4	325.0



44°	245.9	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.9	245.5	245.5
44.5°	243.6	243.3	243.1	243.3	243.2	243.3	243.1	243.3	243.6	243.3	243.1



66.5°	123.6	123.5	123.4	123.5	123.6	123.5	123.4	123.5	123.6	123.5	123.4
67°	120.5	120.4	120.4	120.4	120.5	120.4	120.4	120.4	120.5	120.4	120.4



89°	3.5	3.4	3.4	3.4	3.6	3.4	3.4	3.4	3.5	3.4	3.4
89.5°	2.6	2.7	2.6	2.7	2.8	2.7	2.6	2.7	2.6	2.7	2.6

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21.5°	325.8	325.9	325.8	326.1	325.8	325.7
22°	324.6	324.6	324.6	325.0	324.4	324.9



44°	245.5	245.5	245.5	245.5	245.5	245.9
44.5°	243.3	243.2	243.3	243.1	243.3	243.6



66.5°	123.5	123.6	123.5	123.4	123.5	123.6
67°	120.4	120.5	120.4	120.4	120.4	120.5



89°	3.4	3.6	3.4	3.4	3.4	3.5
89.5°	2.7	2.8	2.7	2.6	2.7	2.6

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Scaled Data Report



(END OF REPORT)