

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P997239

Luminaire Tested: **SMX8RLSFS010-900LM-4000K**

Issue Date: 3/11/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P997239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410770A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX8RLSFS010-900LM-4000K
Description: 8IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

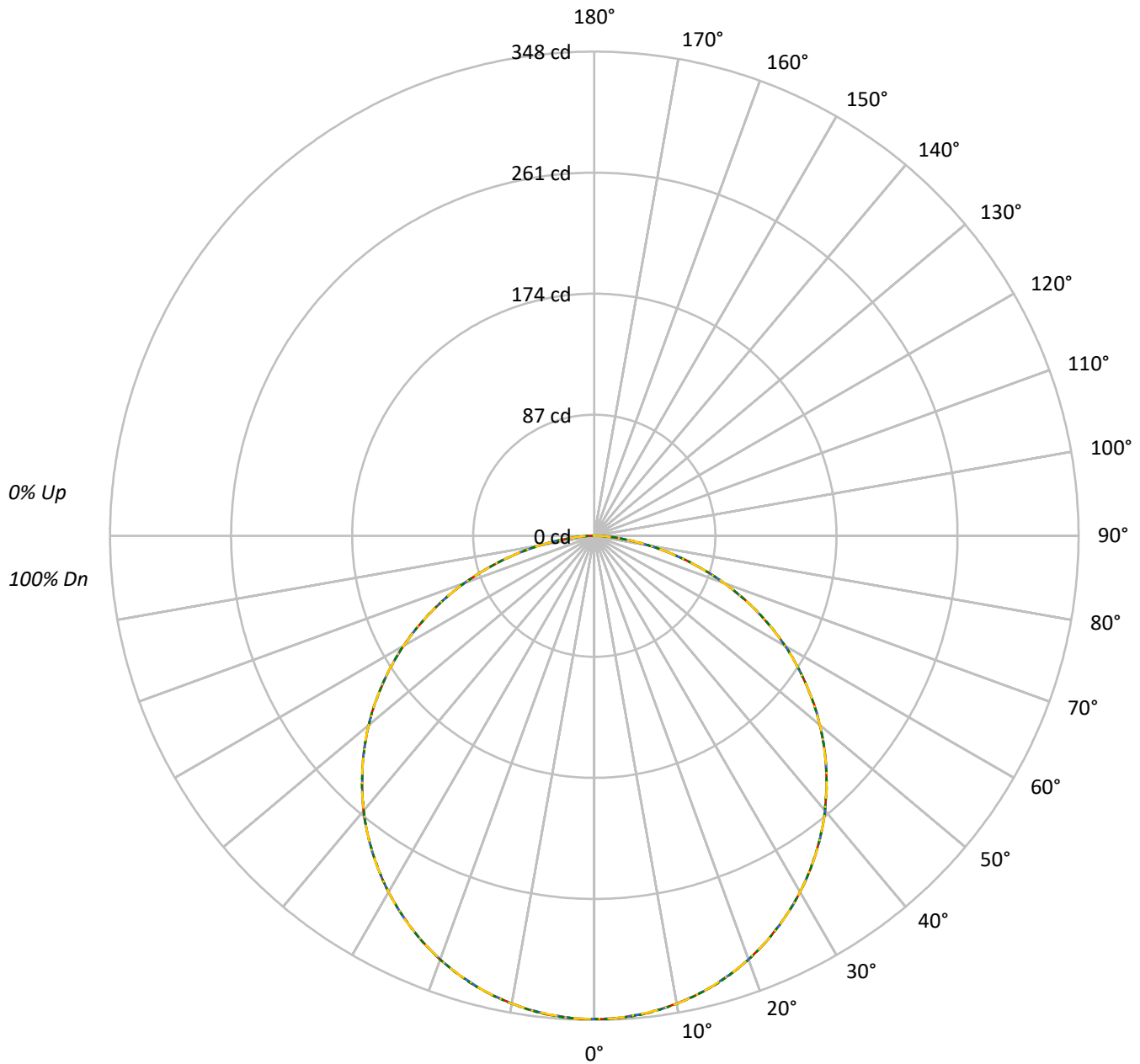
Lumens per Lamp: N/A
Luminaire Lumens: 1010.9 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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: 25 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	102	98	94	97	94	91	93	91	88	90	88	86	83		
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69		
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58		
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49		
5	75	62	53	47	73	61	53	46	59	52	46	57	51	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	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10606	10606	10606	10606
5°	10601	10604	10601	10604
10°	10587	10587	10587	10587
15°	10566	10566	10566	10566
20°	10530	10533	10530	10533
25°	10473	10480	10473	10480
30°	10421	10424	10421	10424
35°	10357	10350	10357	10350
40°	10286	10274	10286	10274
45°	10168	10177	10168	10177
50°	10046	10050	10046	10050
55°	9884	9890	9884	9890
60°	9660	9672	9660	9672
65°	9326	9355	9326	9355
70°	8846	8846	8846	8846
75°	8068	8092	8068	8092
80°	6892	6945	6892	6945
85°	5184	5465	5184	5465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	3.3
10°-20°	94.3	9.3
20°-30°	143.4	14.2
30°-40°	173.8	17.2
40°-50°	181.7	18.0
50°-60°	165.9	16.4
60°-70°	127.7	12.6
70°-80°	72.5	7.2
80°-90°	18.6	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°	270.6	26.8
0°-40°	444.4	44.0
0°-60°	792.0	78.4
0°-90°	1010.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	347	347	347	347	347	
5°	346	346	346	346	346	33
15°	334	334	334	334	334	94
25°	311	311	311	311	311	143
35°	278	278	278	278	278	174
45°	236	236	236	236	236	182
55°	186	186	186	186	186	166
65°	129	130	129	130	129	128
75°	68	69	68	69	68	72
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°	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4
0.5°	347.4	347.7	347.3	347.4	347.3	347.4	347.3	347.7	347.4	347.7	347.3
1°	347.4	347.5	347.3	347.3	347.4	347.3	347.3	347.5	347.4	347.5	347.3
1.5°	347.5	347.4	347.2	347.1	347.3	347.1	347.2	347.4	347.5	347.4	347.2
2°	347.3	347.4	347.2	347.0	347.2	347.0	347.2	347.4	347.3	347.4	347.2
2.5°	347.1	347.2	347.1	346.9	347.1	346.9	347.1	347.2	347.1	347.2	347.1
3°	347.0	346.8	346.8	346.9	346.9	346.9	346.8	346.8	347.0	346.8	346.8
3.5°	346.7	346.7	346.7	346.6	346.9	346.6	346.7	346.7	346.7	346.7	346.7
4°	346.3	346.5	346.3	346.6	346.7	346.6	346.3	346.5	346.3	346.5	346.3
4.5°	346.1	346.2	346.0	346.2	346.5	346.2	346.0	346.2	346.1	346.2	346.0
5°	345.9	345.9	345.8	346.0	346.0	346.0	345.8	345.9	345.9	345.9	345.8
5.5°	345.8	345.6	345.5	345.6	345.9	345.6	345.5	345.6	345.8	345.6	345.5
6°	345.5	345.3	345.1	345.3	345.5	345.3	345.1	345.3	345.5	345.3	345.1
6.5°	344.9	344.8	344.8	344.9	345.1	344.9	344.8	344.8	344.9	344.8	344.8
7°	344.4	344.4	344.4	344.6	344.7	344.6	344.4	344.4	344.4	344.4	344.4
7.5°	344.0	344.1	344.1	344.1	344.1	344.1	344.1	344.1	344.0	344.1	344.1
8°	343.7	343.6	343.7	343.6	343.6	343.6	343.7	343.6	343.7	343.6	343.7
8.5°	343.1	343.2	343.1	343.0	343.2	343.0	343.1	343.2	343.1	343.2	343.1
9°	342.6	342.7	342.6	342.5	342.7	342.5	342.6	342.7	342.6	342.7	342.6
9.5°	341.9	342.2	342.0	342.0	342.1	342.0	342.0	342.2	341.9	342.2	342.0
10°	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5
10.5°	340.7	341.0	341.0	340.8	341.0	340.8	341.0	341.0	340.7	341.0	341.0
11°	340.1	340.3	340.3	340.2	340.3	340.2	340.3	340.3	340.1	340.3	340.3
11.5°	339.3	339.7	339.5	339.4	339.6	339.4	339.5	339.7	339.3	339.7	339.5
12°	338.9	338.8	338.8	338.9	338.9	338.9	338.8	338.8	338.9	338.8	338.8
12.5°	338.1	338.2	338.1	338.3	338.3	338.3	338.1	338.2	338.1	338.2	338.1
13°	337.4	337.5	337.3	337.5	337.5	337.5	337.3	337.5	337.4	337.5	337.3
13.5°	336.7	336.7	336.7	336.8	336.8	336.8	336.7	336.7	336.7	336.7	336.7
14°	335.9	336.0	335.8	336.0	335.9	336.0	335.8	336.0	335.9	336.0	335.8
14.5°	335.1	335.1	335.1	335.1	335.3	335.1	335.1	335.1	335.1	335.1	335.1
15°	334.3	334.1	334.0	334.2	334.3	334.2	334.0	334.1	334.3	334.1	334.0
15.5°	333.1	333.3	333.0	333.4	333.5	333.4	333.0	333.3	333.1	333.3	333.0
16°	332.1	332.2	332.2	332.5	332.5	332.5	332.2	332.2	332.1	332.2	332.2
16.5°	331.3	331.4	331.3	331.4	331.5	331.4	331.3	331.4	331.3	331.4	331.3
17°	330.4	330.3	330.4	330.4	330.6	330.4	330.4	330.3	330.4	330.3	330.4
17.5°	329.4	329.3	329.3	329.3	329.6	329.3	329.3	329.3	329.4	329.3	329.3
18°	328.4	328.2	328.3	328.4	328.6	328.4	328.3	328.2	328.4	328.2	328.3
18.5°	327.3	327.2	327.3	327.3	327.3	327.3	327.3	327.2	327.3	327.2	327.3
19°	326.3	326.1	326.3	326.2	326.2	326.2	326.3	326.1	326.3	326.1	326.3
19.5°	325.2	325.1	325.2	325.0	325.1	325.0	325.2	325.1	325.2	325.1	325.2
20°	324.1	323.9	324.0	324.0	324.2	324.0	324.0	323.9	324.1	323.9	324.0
20.5°	322.9	322.7	322.8	322.9	323.0	322.9	322.8	322.7	322.9	322.7	322.8
21°	321.6	321.4	321.6	321.9	321.7	321.9	321.6	321.4	321.6	321.4	321.6

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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°	317.8	317.8	317.8	317.8	317.9	317.8	317.8	317.8	317.8	317.8	317.8
23°	316.7	316.3	316.6	316.6	316.6	316.6	316.6	316.3	316.7	316.3	316.6
23.5°	315.3	315.1	315.2	315.3	315.2	315.3	315.2	315.1	315.3	315.1	315.2
24°	313.8	313.7	313.9	314.0	313.9	314.0	313.9	313.7	313.8	313.7	313.9
24.5°	312.4	312.4	312.5	312.5	312.5	312.5	312.5	312.4	312.4	312.4	312.5
25°	310.9	310.8	311.0	311.1	311.1	311.1	311.0	310.8	310.9	310.8	311.0
25.5°	309.7	309.6	309.7	309.7	309.6	309.7	309.7	309.6	309.7	309.6	309.7
26°	308.2	308.1	308.3	308.2	308.2	308.2	308.3	308.1	308.2	308.1	308.3
26.5°	306.7	306.6	306.8	306.7	306.8	306.7	306.8	306.6	306.7	306.6	306.8
27°	305.2	305.1	305.3	305.2	305.2	305.2	305.3	305.1	305.2	305.1	305.3
27.5°	303.7	303.5	303.7	303.7	303.6	303.7	303.7	303.5	303.7	303.5	303.7
28°	302.2	301.8	302.2	302.1	302.0	302.1	302.2	301.8	302.2	301.8	302.2
28.5°	300.5	300.3	300.7	300.4	300.4	300.4	300.7	300.3	300.5	300.3	300.7
29°	298.9	298.8	299.0	298.9	299.0	298.9	299.0	298.8	298.9	298.8	299.0
29.5°	297.3	297.2	297.3	297.2	297.3	297.2	297.3	297.2	297.3	297.2	297.3
30°	295.6	295.5	295.7	295.6	295.7	295.6	295.7	295.5	295.6	295.5	295.7
30.5°	294.1	293.8	293.9	294.0	294.0	294.0	293.9	293.8	294.1	293.8	293.9
31°	292.4	292.1	292.3	292.3	292.3	292.3	292.3	292.1	292.4	292.1	292.3
31.5°	290.7	290.3	290.5	290.6	290.6	290.6	290.5	290.3	290.7	290.3	290.5
32°	288.9	288.6	288.8	288.9	288.8	288.9	288.8	288.6	288.9	288.6	288.8
32.5°	287.0	286.9	287.1	287.1	287.1	287.1	287.1	286.9	287.0	286.9	287.1
33°	285.4	285.1	285.3	285.4	285.3	285.4	285.3	285.1	285.4	285.1	285.3
33.5°	283.4	283.4	283.5	283.4	283.4	283.4	283.5	283.4	283.4	283.4	283.5
34°	281.6	281.6	281.7	281.7	281.4	281.7	281.7	281.6	281.6	281.6	281.7
34.5°	279.8	279.7	279.7	279.7	279.6	279.7	279.7	279.7	279.8	279.7	279.7
35°	277.9	277.8	277.9	277.9	277.7	277.9	277.9	277.8	277.9	277.8	277.9
35.5°	275.9	276.0	276.0	276.0	275.9	276.0	276.0	276.0	275.9	276.0	276.0
36°	274.0	274.0	274.2	274.1	273.9	274.1	274.2	274.0	274.0	274.0	274.2
36.5°	272.2	272.1	272.2	272.0	272.0	272.0	272.2	272.1	272.2	272.1	272.2
37°	270.1	270.1	270.1	270.0	270.0	270.0	270.1	270.1	270.1	270.1	270.1
37.5°	268.2	268.1	268.1	267.9	268.1	267.9	268.1	268.1	268.2	268.1	268.1
38°	266.2	265.9	266.1	266.1	266.1	266.1	266.1	265.9	266.2	265.9	266.1
38.5°	264.3	263.9	264.1	264.0	264.1	264.0	264.1	263.9	264.3	263.9	264.1
39°	262.1	261.9	262.1	262.0	262.1	262.0	262.1	261.9	262.1	261.9	262.1
39.5°	260.3	259.9	260.0	259.9	259.9	259.9	260.0	259.9	260.3	259.9	260.0
40°	258.1	257.7	257.9	257.8	257.8	257.8	257.9	257.7	258.1	257.7	257.9
40.5°	255.8	255.6	255.6	255.6	255.5	255.6	255.6	255.6	255.8	255.6	255.6
41°	253.5	253.5	253.5	253.6	253.3	253.6	253.5	253.5	253.5	253.5	253.5
41.5°	251.3	251.3	251.3	251.3	251.2	251.3	251.3	251.3	251.3	251.3	251.3
42°	249.1	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.1	249.2	249.2
42.5°	247.0	246.9	247.0	247.0	247.1	247.0	247.0	246.9	247.0	246.9	247.0
43°	244.7	244.6	244.6	244.8	244.8	244.8	244.6	244.6	244.7	244.6	244.6
43.5°	242.4	242.3	242.4	242.6	242.5	242.6	242.4	242.3	242.4	242.3	242.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	235.5	235.5	235.7	235.7	235.7	235.7	235.7	235.5	235.5	235.5	235.7
45.5°	233.4	233.1	233.3	233.2	233.3	233.2	233.3	233.1	233.4	233.1	233.3
46°	231.0	230.8	230.8	231.0	230.9	231.0	230.8	230.8	231.0	230.8	230.8
46.5°	228.6	228.5	228.5	228.5	228.6	228.5	228.5	228.5	228.6	228.5	228.5
47°	226.2	226.2	226.1	226.1	226.2	226.1	226.1	226.2	226.2	226.2	226.1
47.5°	223.8	223.8	223.8	223.9	223.9	223.9	223.8	223.8	223.8	223.8	223.8
48°	221.3	221.4	221.5	221.5	221.3	221.5	221.5	221.4	221.3	221.4	221.5
48.5°	218.8	218.9	219.0	219.1	219.1	219.1	219.0	218.9	218.8	218.9	219.0
49°	216.5	216.4	216.6	216.7	216.5	216.7	216.6	216.4	216.5	216.4	216.6
49.5°	214.0	213.9	214.2	214.1	214.1	214.1	214.2	213.9	214.0	213.9	214.2
50°	211.5	211.5	211.6	211.7	211.6	211.7	211.6	211.5	211.5	211.5	211.6
50.5°	209.0	209.0	209.0	209.2	209.2	209.2	209.0	209.0	209.0	209.0	209.0
51°	206.7	206.5	206.5	206.8	206.6	206.8	206.5	206.5	206.7	206.5	206.5
51.5°	204.2	204.0	203.9	204.1	204.1	204.1	203.9	204.0	204.2	204.0	203.9
52°	201.6	201.4	201.5	201.5	201.5	201.5	201.5	201.4	201.6	201.4	201.5
52.5°	199.0	198.9	198.9	198.9	198.9	198.9	198.9	198.9	199.0	198.9	198.9
53°	196.3	196.2	196.3	196.3	196.3	196.3	196.3	196.2	196.3	196.2	196.3
53.5°	193.6	193.7	193.7	193.7	193.7	193.7	193.7	193.7	193.6	193.7	193.7
54°	191.0	190.9	191.0	191.0	191.0	191.0	191.0	190.9	191.0	190.9	191.0
54.5°	188.3	188.3	188.4	188.4	188.5	188.4	188.4	188.3	188.3	188.3	188.4
55°	185.7	185.7	185.8	185.8	185.8	185.8	185.8	185.7	185.7	185.7	185.8
55.5°	182.9	183.0	183.1	183.1	183.1	183.1	183.1	183.0	182.9	183.0	183.1
56°	180.4	180.4	180.3	180.4	180.3	180.4	180.3	180.4	180.4	180.4	180.3
56.5°	177.8	177.8	177.6	177.8	177.7	177.8	177.6	177.8	177.8	177.8	177.6
57°	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
57.5°	172.1	172.3	172.2	172.3	172.1	172.3	172.2	172.3	172.1	172.3	172.2
58°	169.5	169.5	169.5	169.5	169.4	169.5	169.5	169.5	169.5	169.5	169.5
58.5°	166.8	166.8	166.7	166.7	166.8	166.7	166.7	166.8	166.8	166.8	166.7
59°	163.9	163.9	164.0	163.9	163.9	163.9	164.0	163.9	163.9	163.9	164.0
59.5°	161.2	161.1	161.2	161.2	161.2	161.2	161.2	161.1	161.2	161.1	161.2
60°	158.2	158.2	158.3	158.5	158.4	158.5	158.3	158.2	158.2	158.2	158.3
60.5°	155.5	155.5	155.4	155.6	155.6	155.6	155.4	155.5	155.5	155.5	155.4
61°	152.6	152.6	152.5	152.7	152.7	152.7	152.5	152.6	152.6	152.6	152.5
61.5°	149.8	149.7	149.7	149.9	149.9	149.9	149.7	149.7	149.8	149.7	149.7
62°	146.9	146.8	146.8	146.9	147.0	146.9	146.8	146.8	146.9	146.8	146.8
62.5°	143.9	143.9	144.0	143.9	144.1	143.9	144.0	143.9	143.9	143.9	144.0
63°	141.0	141.0	141.1	141.0	141.1	141.0	141.1	141.0	141.0	141.0	141.1
63.5°	138.0	138.2	138.1	138.1	138.1	138.1	138.1	138.2	138.0	138.2	138.1
64°	135.1	135.1	135.2	135.1	135.3	135.1	135.2	135.1	135.1	135.1	135.2
64.5°	132.1	132.2	132.2	132.2	132.4	132.2	132.2	132.2	132.1	132.2	132.2
65°	129.1	129.2	129.3	129.4	129.5	129.4	129.3	129.2	129.1	129.2	129.3
65.5°	126.2	126.3	126.3	126.3	126.5	126.3	126.3	126.3	126.2	126.3	126.3
66°	123.2	123.2	123.3	123.3	123.4	123.3	123.3	123.2	123.2	123.2	123.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997239

CATALOG NUMBER: SMX8RLSFS010-900LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	114.2	114.2	114.2	114.3	114.4	114.3	114.2	114.2	114.2	114.2	114.2
68°	111.1	111.3	111.1	111.3	111.4	111.3	111.1	111.3	111.1	111.3	111.1
68.5°	108.2	108.2	108.1	108.3	108.4	108.3	108.1	108.2	108.2	108.2	108.1
69°	105.1	105.2	105.2	105.3	105.3	105.3	105.2	105.2	105.1	105.2	105.2
69.5°	102.0	102.1	102.2	102.0	102.1	102.0	102.2	102.1	102.0	102.1	102.2
70°	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
70.5°	96.1	96.1	96.0	96.1	96.1	96.1	96.0	96.1	96.1	96.1	96.0
71°	92.9	93.1	93.0	93.0	93.0	93.0	93.0	93.1	92.9	93.1	93.0
71.5°	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.8	89.9	89.9
72°	86.8	86.8	86.8	87.0	86.8	87.0	86.8	86.8	86.8	86.8	86.8
72.5°	83.7	83.7	83.7	83.8	83.8	83.8	83.7	83.7	83.7	83.7	83.7
73°	80.6	80.7	80.7	80.8	80.7	80.8	80.7	80.7	80.6	80.7	80.7
73.5°	77.5	77.6	77.7	77.8	77.7	77.8	77.7	77.6	77.5	77.6	77.7
74°	74.5	74.6	74.6	74.7	74.7	74.7	74.6	74.6	74.5	74.6	74.6
74.5°	71.4	71.5	71.5	71.7	71.7	71.7	71.5	71.5	71.4	71.5	71.5
75°	68.4	68.5	68.5	68.6	68.6	68.6	68.5	68.5	68.4	68.5	68.5
75.5°	65.4	65.4	65.5	65.5	65.7	65.5	65.5	65.4	65.4	65.4	65.5
76°	62.4	62.4	62.5	62.5	62.7	62.5	62.5	62.4	62.4	62.4	62.5
76.5°	59.3	59.4	59.5	59.6	59.7	59.6	59.5	59.4	59.3	59.4	59.5
77°	56.4	56.4	56.5	56.7	56.9	56.7	56.5	56.4	56.4	56.4	56.5
77.5°	53.4	53.4	53.6	53.8	53.9	53.8	53.6	53.4	53.4	53.4	53.6
78°	50.4	50.5	50.7	50.8	51.0	50.8	50.7	50.5	50.4	50.5	50.7
78.5°	47.6	47.6	47.8	47.8	48.0	47.8	47.8	47.6	47.6	47.6	47.8
79°	44.8	44.8	44.9	45.1	45.3	45.1	44.9	44.8	44.8	44.8	44.9
79.5°	42.0	42.0	42.1	42.3	42.3	42.3	42.1	42.0	42.0	42.0	42.1
80°	39.2	39.3	39.3	39.5	39.5	39.5	39.3	39.3	39.2	39.3	39.3
80.5°	36.5	36.5	36.7	36.8	36.8	36.8	36.7	36.5	36.5	36.5	36.7
81°	33.9	33.9	34.0	34.2	34.1	34.2	34.0	33.9	33.9	33.9	34.0
81.5°	31.2	31.3	31.4	31.5	31.5	31.5	31.4	31.3	31.2	31.3	31.4
82°	28.7	28.7	28.8	29.0	29.0	29.0	28.8	28.7	28.7	28.7	28.8
82.5°	26.1	26.1	26.3	26.6	26.7	26.6	26.3	26.1	26.1	26.1	26.3
83°	23.6	23.7	24.0	24.3	24.3	24.3	24.0	23.7	23.6	23.7	24.0
83.5°	21.1	21.3	21.6	21.8	22.0	21.8	21.6	21.3	21.1	21.3	21.6
84°	18.9	19.1	19.4	19.7	19.9	19.7	19.4	19.1	18.9	19.1	19.4
84.5°	16.8	16.9	17.2	17.5	17.9	17.5	17.2	16.9	16.8	16.9	17.2
85°	14.8	14.9	15.2	15.5	15.6	15.5	15.2	14.9	14.8	14.9	15.2
85.5°	12.9	13.0	13.3	13.6	14.0	13.6	13.3	13.0	12.9	13.0	13.3
86°	11.1	11.3	11.6	11.9	12.2	11.9	11.6	11.3	11.1	11.3	11.6
86.5°	9.5	9.6	9.9	10.3	10.7	10.3	9.9	9.6	9.5	9.6	9.9
87°	7.9	8.1	8.5	8.8	9.2	8.8	8.5	8.1	7.9	8.1	8.5
87.5°	6.5	6.7	7.1	7.5	7.9	7.5	7.1	6.7	6.5	6.7	7.1
88°	5.3	5.6	5.9	6.3	6.7	6.3	5.9	5.6	5.3	5.6	5.9
88.5°	4.3	4.4	4.8	5.1	5.6	5.1	4.8	4.4	4.3	4.4	4.8

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



TEST NUMBER: P997239
CATALOG NUMBER: SMX8RLSFS010-900LM-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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997239

CATALOG NUMBER: SMX8RLSFS010-900LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	347.4	347.4	347.4	347.4	347.4	347.4
0.5°	347.4	347.3	347.4	347.3	347.7	347.4
1°	347.3	347.4	347.3	347.3	347.5	347.4
1.5°	347.1	347.3	347.1	347.2	347.4	347.5
2°	347.0	347.2	347.0	347.2	347.4	347.3
2.5°	346.9	347.1	346.9	347.1	347.2	347.1
3°	346.9	346.9	346.9	346.8	346.8	347.0
3.5°	346.6	346.9	346.6	346.7	346.7	346.7
4°	346.6	346.7	346.6	346.3	346.5	346.3
4.5°	346.2	346.5	346.2	346.0	346.2	346.1
5°	346.0	346.0	346.0	345.8	345.9	345.9
5.5°	345.6	345.9	345.6	345.5	345.6	345.8
6°	345.3	345.5	345.3	345.1	345.3	345.5
6.5°	344.9	345.1	344.9	344.8	344.8	344.9
7°	344.6	344.7	344.6	344.4	344.4	344.4
7.5°	344.1	344.1	344.1	344.1	344.1	344.0
8°	343.6	343.6	343.6	343.7	343.6	343.7
8.5°	343.0	343.2	343.0	343.1	343.2	343.1
9°	342.5	342.7	342.5	342.6	342.7	342.6
9.5°	342.0	342.1	342.0	342.0	342.2	341.9
10°	341.5	341.5	341.5	341.5	341.5	341.5
10.5°	340.8	341.0	340.8	341.0	341.0	340.7
11°	340.2	340.3	340.2	340.3	340.3	340.1
11.5°	339.4	339.6	339.4	339.5	339.7	339.3
12°	338.9	338.9	338.9	338.8	338.8	338.9
12.5°	338.3	338.3	338.3	338.1	338.2	338.1
13°	337.5	337.5	337.5	337.3	337.5	337.4
13.5°	336.8	336.8	336.8	336.7	336.7	336.7
14°	336.0	335.9	336.0	335.8	336.0	335.9
14.5°	335.1	335.3	335.1	335.1	335.1	335.1
15°	334.2	334.3	334.2	334.0	334.1	334.3
15.5°	333.4	333.5	333.4	333.0	333.3	333.1
16°	332.5	332.5	332.5	332.2	332.2	332.1
16.5°	331.4	331.5	331.4	331.3	331.4	331.3
17°	330.4	330.6	330.4	330.4	330.3	330.4
17.5°	329.3	329.6	329.3	329.3	329.3	329.4
18°	328.4	328.6	328.4	328.3	328.2	328.4
18.5°	327.3	327.3	327.3	327.3	327.2	327.3
19°	326.2	326.2	326.2	326.3	326.1	326.3
19.5°	325.0	325.1	325.0	325.2	325.1	325.2
20°	324.0	324.2	324.0	324.0	323.9	324.1
20.5°	322.9	323.0	322.9	322.8	322.7	322.9
21°	321.9	321.7	321.9	321.6	321.4	321.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997239

CATALOG NUMBER: SMX8RLSFS010-900LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	317.8	317.9	317.8	317.8	317.8	317.8
23°	316.6	316.6	316.6	316.6	316.3	316.7
23.5°	315.3	315.2	315.3	315.2	315.1	315.3
24°	314.0	313.9	314.0	313.9	313.7	313.8
24.5°	312.5	312.5	312.5	312.5	312.4	312.4
25°	311.1	311.1	311.1	311.0	310.8	310.9
25.5°	309.7	309.6	309.7	309.7	309.6	309.7
26°	308.2	308.2	308.2	308.3	308.1	308.2
26.5°	306.7	306.8	306.7	306.8	306.6	306.7
27°	305.2	305.2	305.2	305.3	305.1	305.2
27.5°	303.7	303.6	303.7	303.7	303.5	303.7
28°	302.1	302.0	302.1	302.2	301.8	302.2
28.5°	300.4	300.4	300.4	300.7	300.3	300.5
29°	298.9	299.0	298.9	299.0	298.8	298.9
29.5°	297.2	297.3	297.2	297.3	297.2	297.3
30°	295.6	295.7	295.6	295.7	295.5	295.6
30.5°	294.0	294.0	294.0	293.9	293.8	294.1
31°	292.3	292.3	292.3	292.3	292.1	292.4
31.5°	290.6	290.6	290.6	290.5	290.3	290.7
32°	288.9	288.8	288.9	288.8	288.6	288.9
32.5°	287.1	287.1	287.1	287.1	286.9	287.0
33°	285.4	285.3	285.4	285.3	285.1	285.4
33.5°	283.4	283.4	283.4	283.5	283.4	283.4
34°	281.7	281.4	281.7	281.7	281.6	281.6
34.5°	279.7	279.6	279.7	279.7	279.7	279.8
35°	277.9	277.7	277.9	277.9	277.8	277.9
35.5°	276.0	275.9	276.0	276.0	276.0	275.9
36°	274.1	273.9	274.1	274.2	274.0	274.0
36.5°	272.0	272.0	272.0	272.2	272.1	272.2
37°	270.0	270.0	270.0	270.1	270.1	270.1
37.5°	267.9	268.1	267.9	268.1	268.1	268.2
38°	266.1	266.1	266.1	266.1	265.9	266.2
38.5°	264.0	264.1	264.0	264.1	263.9	264.3
39°	262.0	262.1	262.0	262.1	261.9	262.1
39.5°	259.9	259.9	259.9	260.0	259.9	260.3
40°	257.8	257.8	257.8	257.9	257.7	258.1
40.5°	255.6	255.5	255.6	255.6	255.6	255.8
41°	253.6	253.3	253.6	253.5	253.5	253.5
41.5°	251.3	251.2	251.3	251.3	251.3	251.3
42°	249.2	249.2	249.2	249.2	249.2	249.1
42.5°	247.0	247.1	247.0	247.0	246.9	247.0
43°	244.8	244.8	244.8	244.6	244.6	244.7
43.5°	242.6	242.5	242.6	242.4	242.3	242.4

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997239

CATALOG NUMBER: SMX8RLSFS010-900LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	235.7	235.7	235.7	235.7	235.5	235.5
45.5°	233.2	233.3	233.2	233.3	233.1	233.4
46°	231.0	230.9	231.0	230.8	230.8	231.0
46.5°	228.5	228.6	228.5	228.5	228.5	228.6
47°	226.1	226.2	226.1	226.1	226.2	226.2
47.5°	223.9	223.9	223.9	223.8	223.8	223.8
48°	221.5	221.3	221.5	221.5	221.4	221.3
48.5°	219.1	219.1	219.1	219.0	218.9	218.8
49°	216.7	216.5	216.7	216.6	216.4	216.5
49.5°	214.1	214.1	214.1	214.2	213.9	214.0
50°	211.7	211.6	211.7	211.6	211.5	211.5
50.5°	209.2	209.2	209.2	209.0	209.0	209.0
51°	206.8	206.6	206.8	206.5	206.5	206.7
51.5°	204.1	204.1	204.1	203.9	204.0	204.2
52°	201.5	201.5	201.5	201.5	201.4	201.6
52.5°	198.9	198.9	198.9	198.9	198.9	199.0
53°	196.3	196.3	196.3	196.3	196.2	196.3
53.5°	193.7	193.7	193.7	193.7	193.7	193.6
54°	191.0	191.0	191.0	191.0	190.9	191.0
54.5°	188.4	188.5	188.4	188.4	188.3	188.3
55°	185.8	185.8	185.8	185.8	185.7	185.7
55.5°	183.1	183.1	183.1	183.1	183.0	182.9
56°	180.4	180.3	180.4	180.3	180.4	180.4
56.5°	177.8	177.7	177.8	177.6	177.8	177.8
57°	175.0	175.0	175.0	175.0	175.0	175.0
57.5°	172.3	172.1	172.3	172.2	172.3	172.1
58°	169.5	169.4	169.5	169.5	169.5	169.5
58.5°	166.7	166.8	166.7	166.7	166.8	166.8
59°	163.9	163.9	163.9	164.0	163.9	163.9
59.5°	161.2	161.2	161.2	161.2	161.1	161.2
60°	158.5	158.4	158.5	158.3	158.2	158.2
60.5°	155.6	155.6	155.6	155.4	155.5	155.5
61°	152.7	152.7	152.7	152.5	152.6	152.6
61.5°	149.9	149.9	149.9	149.7	149.7	149.8
62°	146.9	147.0	146.9	146.8	146.8	146.9
62.5°	143.9	144.1	143.9	144.0	143.9	143.9
63°	141.0	141.1	141.0	141.1	141.0	141.0
63.5°	138.1	138.1	138.1	138.1	138.2	138.0
64°	135.1	135.3	135.1	135.2	135.1	135.1
64.5°	132.2	132.4	132.2	132.2	132.2	132.1
65°	129.4	129.5	129.4	129.3	129.2	129.1
65.5°	126.3	126.5	126.3	126.3	126.3	126.2
66°	123.3	123.4	123.3	123.3	123.2	123.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997239

CATALOG NUMBER: SMX8RLSFS010-900LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	114.3	114.4	114.3	114.2	114.2	114.2
68°	111.3	111.4	111.3	111.1	111.3	111.1
68.5°	108.3	108.4	108.3	108.1	108.2	108.2
69°	105.3	105.3	105.3	105.2	105.2	105.1
69.5°	102.0	102.1	102.0	102.2	102.1	102.0
70°	99.1	99.1	99.1	99.1	99.1	99.1
70.5°	96.1	96.1	96.1	96.0	96.1	96.1
71°	93.0	93.0	93.0	93.0	93.1	92.9
71.5°	89.9	89.9	89.9	89.9	89.9	89.8
72°	87.0	86.8	87.0	86.8	86.8	86.8
72.5°	83.8	83.8	83.8	83.7	83.7	83.7
73°	80.8	80.7	80.8	80.7	80.7	80.6
73.5°	77.8	77.7	77.8	77.7	77.6	77.5
74°	74.7	74.7	74.7	74.6	74.6	74.5
74.5°	71.7	71.7	71.7	71.5	71.5	71.4
75°	68.6	68.6	68.6	68.5	68.5	68.4
75.5°	65.5	65.7	65.5	65.5	65.4	65.4
76°	62.5	62.7	62.5	62.5	62.4	62.4
76.5°	59.6	59.7	59.6	59.5	59.4	59.3
77°	56.7	56.9	56.7	56.5	56.4	56.4
77.5°	53.8	53.9	53.8	53.6	53.4	53.4
78°	50.8	51.0	50.8	50.7	50.5	50.4
78.5°	47.8	48.0	47.8	47.8	47.6	47.6
79°	45.1	45.3	45.1	44.9	44.8	44.8
79.5°	42.3	42.3	42.3	42.1	42.0	42.0
80°	39.5	39.5	39.5	39.3	39.3	39.2
80.5°	36.8	36.8	36.8	36.7	36.5	36.5
81°	34.2	34.1	34.2	34.0	33.9	33.9
81.5°	31.5	31.5	31.5	31.4	31.3	31.2
82°	29.0	29.0	29.0	28.8	28.7	28.7
82.5°	26.6	26.7	26.6	26.3	26.1	26.1
83°	24.3	24.3	24.3	24.0	23.7	23.6
83.5°	21.8	22.0	21.8	21.6	21.3	21.1
84°	19.7	19.9	19.7	19.4	19.1	18.9
84.5°	17.5	17.9	17.5	17.2	16.9	16.8
85°	15.5	15.6	15.5	15.2	14.9	14.8
85.5°	13.6	14.0	13.6	13.3	13.0	12.9
86°	11.9	12.2	11.9	11.6	11.3	11.1
86.5°	10.3	10.7	10.3	9.9	9.6	9.5
87°	8.8	9.2	8.8	8.5	8.1	7.9
87.5°	7.5	7.9	7.5	7.1	6.7	6.5
88°	6.3	6.7	6.3	5.9	5.6	5.3
88.5°	5.1	5.6	5.1	4.8	4.4	4.3

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Scaled Data Report



TEST NUMBER: P997239
CATALOG NUMBER: SMX8RLSFS010-900LM-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

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Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180° - - 45°-225° - - - - 90°-270° - · - 135°-315°

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21.5°	320.4	320.3	320.4	320.4	320.5	320.4	320.4	320.3	320.4	320.3	320.4
22°	319.3	319.1	319.1	319.1	319.2	319.1	319.1	319.1	319.3	319.1	319.1



44°	240.1	240.1	240.2	240.4	240.2	240.4	240.2	240.1	240.1	240.1	240.2
44.5°	237.8	237.8	238.0	238.0	238.0	238.0	238.0	237.8	237.8	237.8	238.0



66.5°	120.2	120.2	120.2	120.2	120.4	120.2	120.2	120.2	120.2	120.2	120.2	120.2
67°	117.3	117.2	117.2	117.3	117.4	117.3	117.2	117.2	117.3	117.2	117.2	117.2



89°	3.4	3.5	3.8	4.2	4.6	4.2	3.8	3.5	3.4	3.5	3.8
89.5°	2.6	2.8	3.0	3.4	3.8	3.4	3.0	2.8	2.6	2.8	3.0

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21.5°	320.4	320.5	320.4	320.4	320.3	320.4
22°	319.1	319.2	319.1	319.1	319.1	319.3

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44°	240.4	240.2	240.4	240.2	240.1	240.1
44.5°	238.0	238.0	238.0	238.0	237.8	237.8

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66.5°	120.2	120.4	120.2	120.2	120.2	120.2
67°	117.3	117.4	117.3	117.2	117.2	117.3

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89°	4.2	4.6	4.2	3.8	3.5	3.4
89.5°	3.4	3.8	3.4	3.0	2.8	2.6

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Scaled Data Report



(END OF REPORT)