

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: P997240

Luminaire Tested: **SMX8RLSFS010-900LM-5000K**

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: P997240
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-5000K
Description: 8IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

Summary

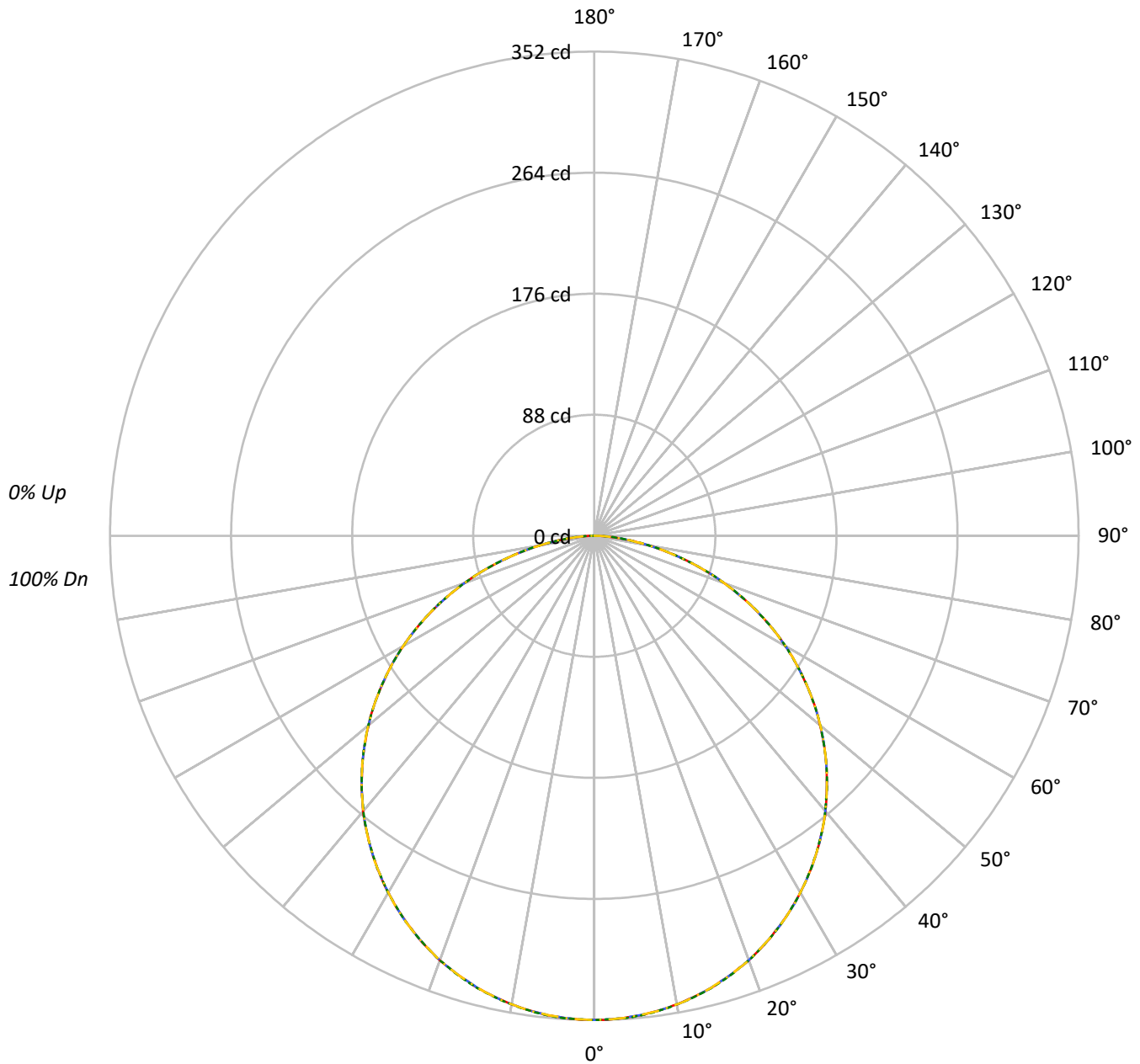
Lumens per Lamp: N/A
Luminaire Lumens: 1024.1 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: 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					0
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°	10747	10747	10747	10747
5°	10739	10745	10739	10745
10°	10726	10723	10726	10723
15°	10702	10705	10702	10705
20°	10670	10670	10670	10670
25°	10611	10618	10611	10618
30°	10558	10562	10558	10562
35°	10492	10488	10492	10488
40°	10418	10406	10418	10406
45°	10298	10311	10298	10311
50°	10174	10179	10174	10179
55°	10012	10017	10012	10017
60°	9788	9800	9788	9800
65°	9449	9478	9449	9478
70°	8953	8962	8953	8962
75°	8175	8198	8175	8198
80°	6980	7033	6980	7033
85°	5254	5535	5254	5535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	3.3
10°-20°	95.6	9.3
20°-30°	145.3	14.2
30°-40°	176.1	17.2
40°-50°	184.1	18.0
50°-60°	168.1	16.4
60°-70°	129.4	12.6
70°-80°	73.4	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°	274.1	26.8
0°-40°	450.2	44.0
0°-60°	802.4	78.4
0°-90°	1024.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1024.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	352	352	352	352	352	
5°	350	351	350	351	350	33
15°	339	339	339	339	339	96
25°	315	315	315	315	315	145
35°	282	281	282	281	282	176
45°	238	239	238	239	238	184
55°	188	188	188	188	188	168
65°	131	131	131	131	131	129
75°	69	70	69	70	69	73
85°	15	16	15	16	15	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0
0.5°	352.0	352.2	351.9	351.9	351.9	351.9	351.9	352.2	352.0	352.2	351.9
1°	352.0	352.0	351.8	351.9	351.9	351.9	351.8	352.0	352.0	352.0	351.8
1.5°	352.0	351.9	351.8	351.6	351.8	351.6	351.8	351.9	352.0	351.9	351.8
2°	351.8	351.9	351.7	351.5	351.7	351.5	351.7	351.9	351.8	351.9	351.7
2.5°	351.6	351.7	351.6	351.4	351.6	351.4	351.6	351.7	351.6	351.7	351.6
3°	351.5	351.4	351.3	351.5	351.4	351.5	351.3	351.4	351.5	351.4	351.3
3.5°	351.2	351.3	351.2	351.2	351.5	351.2	351.2	351.3	351.2	351.3	351.2
4°	350.8	351.0	350.8	351.1	351.2	351.1	350.8	351.0	350.8	351.0	350.8
4.5°	350.7	350.8	350.5	350.7	351.0	350.7	350.5	350.8	350.7	350.8	350.5
5°	350.4	350.5	350.3	350.5	350.6	350.5	350.3	350.5	350.4	350.5	350.3
5.5°	350.3	350.2	350.0	350.1	350.4	350.1	350.0	350.2	350.3	350.2	350.0
6°	350.0	349.8	349.6	349.8	350.0	349.8	349.6	349.8	350.0	349.8	349.6
6.5°	349.4	349.3	349.3	349.4	349.6	349.4	349.3	349.3	349.4	349.3	349.3
7°	348.9	348.9	348.9	349.1	349.2	349.1	348.9	348.9	348.9	348.9	348.9
7.5°	348.5	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.5	348.6	348.6
8°	348.2	348.1	348.2	348.1	348.1	348.1	348.2	348.1	348.2	348.1	348.2
8.5°	347.6	347.7	347.6	347.5	347.7	347.5	347.6	347.7	347.6	347.7	347.6
9°	347.0	347.1	347.1	347.0	347.2	347.0	347.1	347.1	347.0	347.1	347.1
9.5°	346.4	346.6	346.4	346.5	346.6	346.5	346.4	346.6	346.4	346.6	346.4
10°	346.0	345.9	345.9	345.9	345.9	345.9	345.9	345.9	346.0	345.9	345.9
10.5°	345.2	345.4	345.4	345.2	345.4	345.2	345.4	345.4	345.2	345.4	345.4
11°	344.5	344.7	344.7	344.6	344.8	344.6	344.7	344.7	344.5	344.7	344.7
11.5°	343.8	344.1	344.0	343.9	344.1	343.9	344.0	344.1	343.8	344.1	344.0
12°	343.3	343.3	343.2	343.4	343.4	343.4	343.2	343.3	343.3	343.3	343.2
12.5°	342.5	342.7	342.5	342.7	342.7	342.7	342.5	342.7	342.5	342.7	342.5
13°	341.8	341.9	341.7	341.9	341.9	341.9	341.7	341.9	341.8	341.9	341.7
13.5°	341.1	341.1	341.1	341.2	341.2	341.2	341.1	341.1	341.1	341.1	341.1
14°	340.2	340.4	340.2	340.4	340.3	340.4	340.2	340.4	340.2	340.4	340.2
14.5°	339.5	339.5	339.5	339.5	339.7	339.5	339.5	339.5	339.5	339.5	339.5
15°	338.6	338.5	338.3	338.6	338.7	338.6	338.3	338.5	338.6	338.5	338.3
15.5°	337.5	337.7	337.4	337.8	337.8	337.8	337.4	337.7	337.5	337.7	337.4
16°	336.4	336.6	336.5	336.8	336.9	336.8	336.5	336.6	336.4	336.6	336.5
16.5°	335.7	335.8	335.7	335.7	335.9	335.7	335.7	335.8	335.7	335.8	335.7
17°	334.7	334.6	334.7	334.7	334.9	334.7	334.7	334.6	334.7	334.6	334.7
17.5°	333.7	333.6	333.6	333.6	333.9	333.6	333.6	333.6	333.7	333.6	333.6
18°	332.6	332.5	332.6	332.7	332.9	332.7	332.6	332.5	332.6	332.5	332.6
18.5°	331.5	331.5	331.6	331.5	331.6	331.5	331.6	331.5	331.5	331.5	331.6
19°	330.6	330.4	330.6	330.5	330.5	330.5	330.6	330.4	330.6	330.4	330.6
19.5°	329.5	329.4	329.5	329.3	329.4	329.3	329.5	329.4	329.5	329.4	329.5
20°	328.4	328.2	328.3	328.3	328.4	328.3	328.3	328.2	328.4	328.2	328.3
20.5°	327.2	327.0	327.1	327.1	327.3	327.1	327.1	327.0	327.2	327.0	327.1
21°	325.8	325.6	325.8	326.1	325.9	326.1	325.8	325.6	325.8	325.6	325.8

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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°	322.0	321.9	321.9	322.0	322.1	322.0	321.9	321.9	322.0	321.9	321.9
23°	320.8	320.5	320.7	320.7	320.7	320.7	320.7	320.5	320.8	320.5	320.7
23.5°	319.5	319.2	319.4	319.4	319.4	319.4	319.4	319.2	319.5	319.2	319.4
24°	317.9	317.8	318.0	318.1	318.0	318.1	318.0	317.8	317.9	317.8	318.0
24.5°	316.4	316.5	316.6	316.6	316.6	316.6	316.6	316.5	316.4	316.5	316.6
25°	315.0	314.9	315.1	315.2	315.2	315.2	315.1	314.9	315.0	314.9	315.1
25.5°	313.8	313.6	313.8	313.8	313.7	313.8	313.8	313.6	313.8	313.6	313.8
26°	312.2	312.1	312.3	312.2	312.3	312.2	312.3	312.1	312.2	312.1	312.3
26.5°	310.7	310.6	310.8	310.7	310.8	310.7	310.8	310.6	310.7	310.6	310.8
27°	309.2	309.1	309.3	309.2	309.2	309.2	309.3	309.1	309.2	309.1	309.3
27.5°	307.7	307.5	307.7	307.6	307.6	307.6	307.7	307.5	307.7	307.5	307.7
28°	306.2	305.8	306.2	306.0	306.0	306.0	306.2	305.8	306.2	305.8	306.2
28.5°	304.5	304.2	304.6	304.3	304.4	304.3	304.6	304.2	304.5	304.2	304.6
29°	302.8	302.7	302.9	302.8	302.9	302.8	302.9	302.7	302.8	302.7	302.9
29.5°	301.2	301.1	301.2	301.1	301.2	301.1	301.2	301.1	301.2	301.1	301.2
30°	299.5	299.4	299.5	299.5	299.6	299.5	299.5	299.4	299.5	299.4	299.5
30.5°	297.9	297.7	297.8	297.8	297.9	297.8	297.8	297.7	297.9	297.7	297.8
31°	296.2	295.9	296.1	296.1	296.1	296.1	296.1	295.9	296.2	295.9	296.1
31.5°	294.5	294.1	294.3	294.4	294.3	294.4	294.3	294.1	294.5	294.1	294.3
32°	292.7	292.4	292.6	292.7	292.5	292.7	292.6	292.4	292.7	292.4	292.6
32.5°	290.8	290.7	290.8	290.8	290.8	290.8	290.8	290.7	290.8	290.7	290.8
33°	289.1	288.9	289.0	289.1	289.1	289.1	289.0	288.9	289.1	288.9	289.0
33.5°	287.1	287.1	287.2	287.2	287.1	287.2	287.2	287.1	287.1	287.1	287.2
34°	285.2	285.3	285.4	285.4	285.1	285.4	285.4	285.3	285.2	285.3	285.4
34.5°	283.5	283.3	283.4	283.4	283.3	283.4	283.4	283.3	283.5	283.3	283.4
35°	281.5	281.4	281.5	281.5	281.4	281.5	281.5	281.4	281.5	281.4	281.5
35.5°	279.5	279.6	279.6	279.6	279.5	279.6	279.6	279.6	279.5	279.6	279.6
36°	277.6	277.6	277.7	277.7	277.5	277.7	277.7	277.6	277.6	277.6	277.7
36.5°	275.7	275.6	275.7	275.5	275.6	275.5	275.7	275.6	275.7	275.6	275.7
37°	273.6	273.6	273.7	273.5	273.5	273.5	273.7	273.6	273.6	273.6	273.7
37.5°	271.7	271.6	271.6	271.4	271.6	271.4	271.6	271.6	271.7	271.6	271.6
38°	269.6	269.4	269.6	269.5	269.6	269.5	269.6	269.4	269.6	269.4	269.6
38.5°	267.7	267.4	267.6	267.5	267.6	267.5	267.6	267.4	267.7	267.4	267.6
39°	265.5	265.3	265.5	265.5	265.5	265.5	265.5	265.3	265.5	265.3	265.5
39.5°	263.7	263.3	263.4	263.3	263.3	263.3	263.4	263.3	263.7	263.3	263.4
40°	261.4	261.1	261.3	261.1	261.1	261.1	261.3	261.1	261.4	261.1	261.3
40.5°	259.1	258.9	259.0	259.0	258.8	259.0	259.0	258.9	259.1	258.9	259.0
41°	256.9	256.8	256.8	256.9	256.6	256.9	256.8	256.8	256.9	256.8	256.8
41.5°	254.6	254.6	254.6	254.6	254.5	254.6	254.6	254.6	254.6	254.6	254.6
42°	252.3	252.4	252.4	252.5	252.4	252.5	252.4	252.4	252.3	252.4	252.4
42.5°	250.2	250.1	250.2	250.2	250.3	250.2	250.2	250.1	250.2	250.1	250.2
43°	247.9	247.8	247.8	248.0	248.0	248.0	247.8	247.8	247.9	247.8	247.8
43.5°	245.5	245.5	245.6	245.7	245.6	245.7	245.6	245.5	245.5	245.5	245.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	238.5	238.6	238.7	238.7	238.8	238.7	238.7	238.6	238.5	238.6	238.7
45.5°	236.4	236.2	236.4	236.3	236.3	236.3	236.4	236.2	236.4	236.2	236.4
46°	234.0	233.8	233.9	234.0	234.0	234.0	233.9	233.8	234.0	233.8	233.9
46.5°	231.6	231.5	231.5	231.5	231.6	231.5	231.5	231.5	231.6	231.5	231.5
47°	229.1	229.1	229.0	229.0	229.2	229.0	229.0	229.1	229.1	229.1	229.0
47.5°	226.7	226.7	226.8	226.8	226.8	226.8	226.8	226.7	226.7	226.7	226.8
48°	224.2	224.3	224.4	224.4	224.2	224.4	224.4	224.3	224.2	224.3	224.4
48.5°	221.7	221.8	221.9	221.9	221.9	221.9	221.9	221.8	221.7	221.8	221.9
49°	219.3	219.3	219.5	219.5	219.3	219.5	219.5	219.3	219.3	219.3	219.5
49.5°	216.8	216.7	217.0	216.9	216.9	216.9	217.0	216.7	216.8	216.7	217.0
50°	214.2	214.2	214.4	214.5	214.3	214.5	214.4	214.2	214.2	214.2	214.4
50.5°	211.7	211.8	211.8	211.9	211.9	211.9	211.8	211.8	211.7	211.8	211.8
51°	209.4	209.2	209.2	209.5	209.3	209.5	209.2	209.2	209.4	209.2	209.2
51.5°	206.9	206.6	206.6	206.8	206.7	206.8	206.6	206.6	206.9	206.6	206.6
52°	204.2	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.2	204.1	204.1
52.5°	201.6	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.6	201.5	201.5
53°	198.9	198.8	198.9	198.8	198.9	198.8	198.9	198.8	198.9	198.8	198.9
53.5°	196.2	196.2	196.3	196.2	196.3	196.2	196.3	196.2	196.2	196.2	196.3
54°	193.5	193.4	193.5	193.5	193.5	193.5	193.5	193.4	193.5	193.4	193.5
54.5°	190.8	190.8	190.9	190.8	191.0	190.8	190.9	190.8	190.8	190.8	190.9
55°	188.1	188.1	188.2	188.2	188.2	188.2	188.2	188.1	188.1	188.1	188.2
55.5°	185.3	185.4	185.5	185.5	185.5	185.5	185.5	185.4	185.3	185.4	185.5
56°	182.8	182.8	182.6	182.8	182.6	182.8	182.6	182.8	182.8	182.8	182.6
56.5°	180.1	180.1	179.9	180.1	180.1	180.1	179.9	180.1	180.1	180.1	179.9
57°	177.3	177.3	177.2	177.3	177.2	177.3	177.2	177.3	177.3	177.3	177.2
57.5°	174.4	174.5	174.4	174.5	174.4	174.5	174.4	174.5	174.4	174.5	174.4
58°	171.8	171.7	171.7	171.7	171.6	171.7	171.7	171.7	171.8	171.7	171.7
58.5°	168.9	168.9	168.9	168.9	169.0	168.9	168.9	168.9	168.9	168.9	168.9
59°	166.0	166.0	166.1	166.1	166.1	166.1	166.1	166.0	166.0	166.0	166.1
59.5°	163.3	163.2	163.3	163.3	163.3	163.3	163.3	163.2	163.3	163.2	163.3
60°	160.3	160.3	160.4	160.6	160.5	160.6	160.4	160.3	160.3	160.3	160.4
60.5°	157.5	157.5	157.4	157.6	157.6	157.6	157.4	157.5	157.5	157.5	157.4
61°	154.6	154.6	154.5	154.7	154.7	154.7	154.5	154.6	154.6	154.6	154.5
61.5°	151.8	151.7	151.7	151.8	151.9	151.8	151.7	151.7	151.8	151.7	151.7
62°	148.8	148.8	148.8	148.8	148.9	148.8	148.8	148.8	148.8	148.8	148.8
62.5°	145.8	145.8	145.8	145.8	146.0	145.8	145.8	145.8	145.8	145.8	145.8
63°	142.9	142.9	143.0	142.8	143.0	142.8	143.0	142.9	142.9	142.9	143.0
63.5°	139.8	140.0	139.9	139.9	139.9	139.9	139.9	140.0	139.8	140.0	139.9
64°	136.9	136.8	137.0	136.9	137.1	136.9	137.0	136.8	136.9	136.8	137.0
64.5°	133.8	133.9	133.9	133.9	134.1	133.9	133.9	133.9	133.8	133.9	133.9
65°	130.8	130.9	131.0	131.0	131.2	131.0	131.0	130.9	130.8	130.9	131.0
65.5°	127.9	127.9	127.9	127.9	128.1	127.9	127.9	127.9	127.9	127.9	127.9
66°	124.9	124.8	124.9	124.9	125.0	124.9	124.9	124.8	124.9	124.8	124.9

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997240

CATALOG NUMBER: SMX8RLSFS010-900LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	115.7	115.7	115.7	115.8	115.9	115.8	115.7	115.7	115.7	115.7	115.7
68°	112.6	112.7	112.6	112.8	112.8	112.8	112.6	112.7	112.6	112.7	112.6
68.5°	109.6	109.6	109.5	109.7	109.8	109.7	109.5	109.6	109.6	109.6	109.5
69°	106.5	106.5	106.6	106.6	106.7	106.6	106.6	106.5	106.5	106.5	106.6
69.5°	103.3	103.5	103.5	103.4	103.5	103.4	103.5	103.5	103.3	103.5	103.5
70°	100.3	100.3	100.4	100.4	100.4	100.4	100.4	100.3	100.3	100.3	100.4
70.5°	97.3	97.3	97.2	97.3	97.3	97.3	97.2	97.3	97.3	97.3	97.2
71°	94.1	94.3	94.2	94.2	94.2	94.2	94.2	94.3	94.1	94.3	94.2
71.5°	91.0	91.1	91.0	91.1	91.1	91.1	91.0	91.1	91.0	91.1	91.0
72°	87.9	87.9	87.9	88.1	87.9	88.1	87.9	87.9	87.9	87.9	87.9
72.5°	84.8	84.8	84.8	84.9	84.9	84.9	84.8	84.8	84.8	84.8	84.8
73°	81.7	81.7	81.8	81.9	81.8	81.9	81.8	81.7	81.7	81.7	81.8
73.5°	78.5	78.6	78.7	78.8	78.7	78.8	78.7	78.6	78.5	78.6	78.7
74°	75.5	75.6	75.6	75.7	75.7	75.7	75.6	75.6	75.5	75.6	75.6
74.5°	72.4	72.4	72.4	72.6	72.6	72.6	72.4	72.4	72.4	72.4	72.4
75°	69.3	69.4	69.4	69.5	69.5	69.5	69.4	69.4	69.3	69.4	69.4
75.5°	66.3	66.2	66.4	66.4	66.5	66.4	66.4	66.2	66.3	66.2	66.4
76°	63.2	63.2	63.3	63.4	63.5	63.4	63.3	63.2	63.2	63.2	63.3
76.5°	60.1	60.1	60.2	60.4	60.5	60.4	60.2	60.1	60.1	60.1	60.2
77°	57.1	57.2	57.3	57.4	57.6	57.4	57.3	57.2	57.1	57.2	57.3
77.5°	54.1	54.1	54.3	54.5	54.6	54.5	54.3	54.1	54.1	54.1	54.3
78°	51.1	51.2	51.4	51.5	51.7	51.5	51.4	51.2	51.1	51.2	51.4
78.5°	48.2	48.2	48.4	48.5	48.7	48.5	48.4	48.2	48.2	48.2	48.4
79°	45.4	45.4	45.5	45.7	45.9	45.7	45.5	45.4	45.4	45.4	45.5
79.5°	42.6	42.5	42.7	42.8	42.9	42.8	42.7	42.5	42.6	42.5	42.7
80°	39.7	39.8	39.8	40.0	40.0	40.0	39.8	39.8	39.7	39.8	39.8
80.5°	37.0	37.0	37.2	37.3	37.3	37.3	37.2	37.0	37.0	37.0	37.2
81°	34.4	34.4	34.5	34.6	34.6	34.6	34.5	34.4	34.4	34.4	34.5
81.5°	31.7	31.7	31.8	31.9	31.9	31.9	31.8	31.7	31.7	31.7	31.8
82°	29.1	29.0	29.2	29.4	29.4	29.4	29.2	29.0	29.1	29.0	29.2
82.5°	26.5	26.5	26.6	26.9	27.0	26.9	26.6	26.5	26.5	26.5	26.6
83°	24.0	24.0	24.3	24.6	24.7	24.6	24.3	24.0	24.0	24.0	24.3
83.5°	21.4	21.6	21.9	22.1	22.3	22.1	21.9	21.6	21.4	21.6	21.9
84°	19.1	19.3	19.7	19.9	20.1	19.9	19.7	19.3	19.1	19.3	19.7
84.5°	17.0	17.2	17.5	17.8	18.2	17.8	17.5	17.2	17.0	17.2	17.5
85°	15.0	15.1	15.4	15.7	15.8	15.7	15.4	15.1	15.0	15.1	15.4
85.5°	13.1	13.2	13.5	13.8	14.2	13.8	13.5	13.2	13.1	13.2	13.5
86°	11.3	11.4	11.7	12.0	12.4	12.0	11.7	11.4	11.3	11.4	11.7
86.5°	9.6	9.7	10.1	10.5	10.9	10.5	10.1	9.7	9.6	9.7	10.1
87°	8.0	8.2	8.6	9.0	9.4	9.0	8.6	8.2	8.0	8.2	8.6
87.5°	6.6	6.8	7.2	7.6	8.0	7.6	7.2	6.8	6.6	6.8	7.2
88°	5.4	5.7	5.9	6.4	6.8	6.4	5.9	5.7	5.4	5.7	5.9
88.5°	4.3	4.5	4.8	5.2	5.7	5.2	4.8	4.5	4.3	4.5	4.8

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

Scaled Data Report



TEST NUMBER: P997240
CATALOG NUMBER: SMX8RLSFS010-900LM-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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997240

CATALOG NUMBER: SMX8RLSFS010-900LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	352.0	352.0	352.0	352.0	352.0	352.0
0.5°	351.9	351.9	351.9	351.9	352.2	352.0
1°	351.9	351.9	351.9	351.8	352.0	352.0
1.5°	351.6	351.8	351.6	351.8	351.9	352.0
2°	351.5	351.7	351.5	351.7	351.9	351.8
2.5°	351.4	351.6	351.4	351.6	351.7	351.6
3°	351.5	351.4	351.5	351.3	351.4	351.5
3.5°	351.2	351.5	351.2	351.2	351.3	351.2
4°	351.1	351.2	351.1	350.8	351.0	350.8
4.5°	350.7	351.0	350.7	350.5	350.8	350.7
5°	350.5	350.6	350.5	350.3	350.5	350.4
5.5°	350.1	350.4	350.1	350.0	350.2	350.3
6°	349.8	350.0	349.8	349.6	349.8	350.0
6.5°	349.4	349.6	349.4	349.3	349.3	349.4
7°	349.1	349.2	349.1	348.9	348.9	348.9
7.5°	348.6	348.6	348.6	348.6	348.6	348.5
8°	348.1	348.1	348.1	348.2	348.1	348.2
8.5°	347.5	347.7	347.5	347.6	347.7	347.6
9°	347.0	347.2	347.0	347.1	347.1	347.0
9.5°	346.5	346.6	346.5	346.4	346.6	346.4
10°	345.9	345.9	345.9	345.9	345.9	346.0
10.5°	345.2	345.4	345.2	345.4	345.4	345.2
11°	344.6	344.8	344.6	344.7	344.7	344.5
11.5°	343.9	344.1	343.9	344.0	344.1	343.8
12°	343.4	343.4	343.4	343.2	343.3	343.3
12.5°	342.7	342.7	342.7	342.5	342.7	342.5
13°	341.9	341.9	341.9	341.7	341.9	341.8
13.5°	341.2	341.2	341.2	341.1	341.1	341.1
14°	340.4	340.3	340.4	340.2	340.4	340.2
14.5°	339.5	339.7	339.5	339.5	339.5	339.5
15°	338.6	338.7	338.6	338.3	338.5	338.6
15.5°	337.8	337.8	337.8	337.4	337.7	337.5
16°	336.8	336.9	336.8	336.5	336.6	336.4
16.5°	335.7	335.9	335.7	335.7	335.8	335.7
17°	334.7	334.9	334.7	334.7	334.6	334.7
17.5°	333.6	333.9	333.6	333.6	333.6	333.7
18°	332.7	332.9	332.7	332.6	332.5	332.6
18.5°	331.5	331.6	331.5	331.6	331.5	331.5
19°	330.5	330.5	330.5	330.6	330.4	330.6
19.5°	329.3	329.4	329.3	329.5	329.4	329.5
20°	328.3	328.4	328.3	328.3	328.2	328.4
20.5°	327.1	327.3	327.1	327.1	327.0	327.2
21°	326.1	325.9	326.1	325.8	325.6	325.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997240

CATALOG NUMBER: SMX8RLSFS010-900LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	322.0	322.1	322.0	321.9	321.9	322.0
23°	320.7	320.7	320.7	320.7	320.5	320.8
23.5°	319.4	319.4	319.4	319.4	319.2	319.5
24°	318.1	318.0	318.1	318.0	317.8	317.9
24.5°	316.6	316.6	316.6	316.6	316.5	316.4
25°	315.2	315.2	315.2	315.1	314.9	315.0
25.5°	313.8	313.7	313.8	313.8	313.6	313.8
26°	312.2	312.3	312.2	312.3	312.1	312.2
26.5°	310.7	310.8	310.7	310.8	310.6	310.7
27°	309.2	309.2	309.2	309.3	309.1	309.2
27.5°	307.6	307.6	307.6	307.7	307.5	307.7
28°	306.0	306.0	306.0	306.2	305.8	306.2
28.5°	304.3	304.4	304.3	304.6	304.2	304.5
29°	302.8	302.9	302.8	302.9	302.7	302.8
29.5°	301.1	301.2	301.1	301.2	301.1	301.2
30°	299.5	299.6	299.5	299.5	299.4	299.5
30.5°	297.8	297.9	297.8	297.8	297.7	297.9
31°	296.1	296.1	296.1	296.1	295.9	296.2
31.5°	294.4	294.3	294.4	294.3	294.1	294.5
32°	292.7	292.5	292.7	292.6	292.4	292.7
32.5°	290.8	290.8	290.8	290.8	290.7	290.8
33°	289.1	289.1	289.1	289.0	288.9	289.1
33.5°	287.2	287.1	287.2	287.2	287.1	287.1
34°	285.4	285.1	285.4	285.4	285.3	285.2
34.5°	283.4	283.3	283.4	283.4	283.3	283.5
35°	281.5	281.4	281.5	281.5	281.4	281.5
35.5°	279.6	279.5	279.6	279.6	279.6	279.5
36°	277.7	277.5	277.7	277.7	277.6	277.6
36.5°	275.5	275.6	275.5	275.7	275.6	275.7
37°	273.5	273.5	273.5	273.7	273.6	273.6
37.5°	271.4	271.6	271.4	271.6	271.6	271.7
38°	269.5	269.6	269.5	269.6	269.4	269.6
38.5°	267.5	267.6	267.5	267.6	267.4	267.7
39°	265.5	265.5	265.5	265.5	265.3	265.5
39.5°	263.3	263.3	263.3	263.4	263.3	263.7
40°	261.1	261.1	261.1	261.3	261.1	261.4
40.5°	259.0	258.8	259.0	259.0	258.9	259.1
41°	256.9	256.6	256.9	256.8	256.8	256.9
41.5°	254.6	254.5	254.6	254.6	254.6	254.6
42°	252.5	252.4	252.5	252.4	252.4	252.3
42.5°	250.2	250.3	250.2	250.2	250.1	250.2
43°	248.0	248.0	248.0	247.8	247.8	247.9
43.5°	245.7	245.6	245.7	245.6	245.5	245.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997240

CATALOG NUMBER: SMX8RLSFS010-900LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	238.7	238.8	238.7	238.7	238.6	238.5
45.5°	236.3	236.3	236.3	236.4	236.2	236.4
46°	234.0	234.0	234.0	233.9	233.8	234.0
46.5°	231.5	231.6	231.5	231.5	231.5	231.6
47°	229.0	229.2	229.0	229.0	229.1	229.1
47.5°	226.8	226.8	226.8	226.8	226.7	226.7
48°	224.4	224.2	224.4	224.4	224.3	224.2
48.5°	221.9	221.9	221.9	221.9	221.8	221.7
49°	219.5	219.3	219.5	219.5	219.3	219.3
49.5°	216.9	216.9	216.9	217.0	216.7	216.8
50°	214.5	214.3	214.5	214.4	214.2	214.2
50.5°	211.9	211.9	211.9	211.8	211.8	211.7
51°	209.5	209.3	209.5	209.2	209.2	209.4
51.5°	206.8	206.7	206.8	206.6	206.6	206.9
52°	204.1	204.1	204.1	204.1	204.1	204.2
52.5°	201.5	201.5	201.5	201.5	201.5	201.6
53°	198.8	198.9	198.8	198.9	198.8	198.9
53.5°	196.2	196.3	196.2	196.3	196.2	196.2
54°	193.5	193.5	193.5	193.5	193.4	193.5
54.5°	190.8	191.0	190.8	190.9	190.8	190.8
55°	188.2	188.2	188.2	188.2	188.1	188.1
55.5°	185.5	185.5	185.5	185.5	185.4	185.3
56°	182.8	182.6	182.8	182.6	182.8	182.8
56.5°	180.1	180.1	180.1	179.9	180.1	180.1
57°	177.3	177.2	177.3	177.2	177.3	177.3
57.5°	174.5	174.4	174.5	174.4	174.5	174.4
58°	171.7	171.6	171.7	171.7	171.7	171.8
58.5°	168.9	169.0	168.9	168.9	168.9	168.9
59°	166.1	166.1	166.1	166.1	166.0	166.0
59.5°	163.3	163.3	163.3	163.3	163.2	163.3
60°	160.6	160.5	160.6	160.4	160.3	160.3
60.5°	157.6	157.6	157.6	157.4	157.5	157.5
61°	154.7	154.7	154.7	154.5	154.6	154.6
61.5°	151.8	151.9	151.8	151.7	151.7	151.8
62°	148.8	148.9	148.8	148.8	148.8	148.8
62.5°	145.8	146.0	145.8	145.8	145.8	145.8
63°	142.8	143.0	142.8	143.0	142.9	142.9
63.5°	139.9	139.9	139.9	139.9	140.0	139.8
64°	136.9	137.1	136.9	137.0	136.8	136.9
64.5°	133.9	134.1	133.9	133.9	133.9	133.8
65°	131.0	131.2	131.0	131.0	130.9	130.8
65.5°	127.9	128.1	127.9	127.9	127.9	127.9
66°	124.9	125.0	124.9	124.9	124.8	124.9

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997240

CATALOG NUMBER: SMX8RLSFS010-900LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	115.8	115.9	115.8	115.7	115.7	115.7
68°	112.8	112.8	112.8	112.6	112.7	112.6
68.5°	109.7	109.8	109.7	109.5	109.6	109.6
69°	106.6	106.7	106.6	106.6	106.5	106.5
69.5°	103.4	103.5	103.4	103.5	103.5	103.3
70°	100.4	100.4	100.4	100.4	100.3	100.3
70.5°	97.3	97.3	97.3	97.2	97.3	97.3
71°	94.2	94.2	94.2	94.2	94.3	94.1
71.5°	91.1	91.1	91.1	91.0	91.1	91.0
72°	88.1	87.9	88.1	87.9	87.9	87.9
72.5°	84.9	84.9	84.9	84.8	84.8	84.8
73°	81.9	81.8	81.9	81.8	81.7	81.7
73.5°	78.8	78.7	78.8	78.7	78.6	78.5
74°	75.7	75.7	75.7	75.6	75.6	75.5
74.5°	72.6	72.6	72.6	72.4	72.4	72.4
75°	69.5	69.5	69.5	69.4	69.4	69.3
75.5°	66.4	66.5	66.4	66.4	66.2	66.3
76°	63.4	63.5	63.4	63.3	63.2	63.2
76.5°	60.4	60.5	60.4	60.2	60.1	60.1
77°	57.4	57.6	57.4	57.3	57.2	57.1
77.5°	54.5	54.6	54.5	54.3	54.1	54.1
78°	51.5	51.7	51.5	51.4	51.2	51.1
78.5°	48.5	48.7	48.5	48.4	48.2	48.2
79°	45.7	45.9	45.7	45.5	45.4	45.4
79.5°	42.8	42.9	42.8	42.7	42.5	42.6
80°	40.0	40.0	40.0	39.8	39.8	39.7
80.5°	37.3	37.3	37.3	37.2	37.0	37.0
81°	34.6	34.6	34.6	34.5	34.4	34.4
81.5°	31.9	31.9	31.9	31.8	31.7	31.7
82°	29.4	29.4	29.4	29.2	29.0	29.1
82.5°	26.9	27.0	26.9	26.6	26.5	26.5
83°	24.6	24.7	24.6	24.3	24.0	24.0
83.5°	22.1	22.3	22.1	21.9	21.6	21.4
84°	19.9	20.1	19.9	19.7	19.3	19.1
84.5°	17.8	18.2	17.8	17.5	17.2	17.0
85°	15.7	15.8	15.7	15.4	15.1	15.0
85.5°	13.8	14.2	13.8	13.5	13.2	13.1
86°	12.0	12.4	12.0	11.7	11.4	11.3
86.5°	10.5	10.9	10.5	10.1	9.7	9.6
87°	9.0	9.4	9.0	8.6	8.2	8.0
87.5°	7.6	8.0	7.6	7.2	6.8	6.6
88°	6.4	6.8	6.4	5.9	5.7	5.4
88.5°	5.2	5.7	5.2	4.8	4.5	4.3

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Scaled Data Report



TEST NUMBER: P997240
CATALOG NUMBER: SMX8RLSFS010-900LM-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

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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°	324.6	324.5	324.5	324.6	324.7	324.6	324.5	324.5	324.6	324.5	324.5
22°	323.4	323.2	323.2	323.3	323.3	323.3	323.2	323.2	323.4	323.2	323.2



44°	243.2	243.2	243.3	243.5	243.4	243.5	243.3	243.2	243.2	243.2	243.3
44.5°	240.9	240.9	241.1	241.1	241.1	241.1	241.1	240.9	240.9	240.9	241.1



66.5°	121.8	121.8	121.8	121.8	122.0	121.8	121.8	121.8	121.8	121.8	121.8
67°	118.8	118.7	118.8	118.8	118.9	118.8	118.8	118.7	118.8	118.7	118.8

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89°	3.4	3.6	3.9	4.2	4.6	4.2	3.9	3.6	3.4	3.6	3.9
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°	324.6	324.7	324.6	324.5	324.5	324.6
22°	323.3	323.3	323.3	323.2	323.2	323.4

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44°	243.5	243.4	243.5	243.3	243.2	243.2
44.5°	241.1	241.1	241.1	241.1	240.9	240.9

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66.5°	121.8	122.0	121.8	121.8	121.8	121.8
67°	118.8	118.9	118.8	118.8	118.7	118.8

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89°	4.2	4.6	4.2	3.9	3.6	3.4
89.5°	3.4	3.8	3.4	3.0	2.8	2.6

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(END OF REPORT)