

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: P997238

Luminaire Tested: **SMX8RLSFS010-900LM-3500K**

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: P997238
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-3500K
Description: 8IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3500K CCT
Ballast/Driver: -

Summary

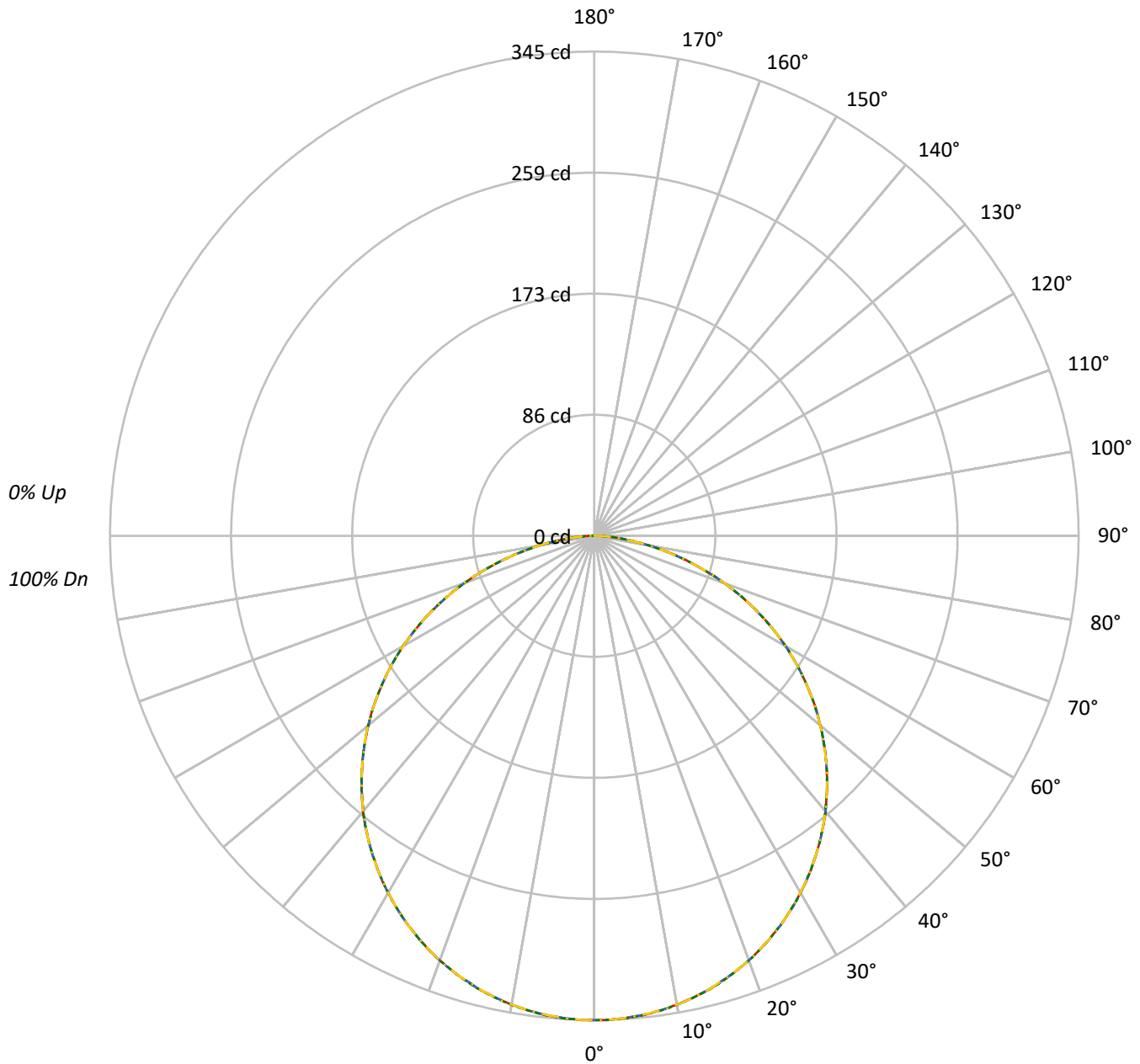
Lumens per Lamp: N/A
Luminaire Lumens: 1004.3 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	10539	10539	10539	10539
5°	10530	10536	10530	10536
10°	10519	10519	10519	10519
15°	10497	10497	10497	10497
20°	10462	10465	10462	10465
25°	10406	10412	10406	10412
30°	10354	10357	10354	10357
35°	10290	10283	10290	10283
40°	10219	10207	10219	10207
45°	10099	10112	10099	10112
50°	9979	9984	9979	9984
55°	9821	9826	9821	9826
60°	9599	9611	9599	9611
65°	9261	9297	9261	9297
70°	8784	8793	8784	8793
75°	8021	8045	8021	8045
80°	6857	6910	6857	6910
85°	5149	5430	5149	5430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	3.3
10°-20°	93.7	9.3
20°-30°	142.4	14.2
30°-40°	172.7	17.2
40°-50°	180.5	18.0
50°-60°	164.8	16.4
60°-70°	126.9	12.6
70°-80°	72.0	7.2
80°-90°	18.5	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°	268.8	26.8
0°-40°	441.5	44.0
0°-60°	786.8	78.4
0°-90°	1004.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	345	345	345	345	345	
5°	344	344	344	344	344	33
15°	332	332	332	332	332	94
25°	309	309	309	309	309	142
35°	276	276	276	276	276	173
45°	234	234	234	234	234	181
55°	184	185	184	185	184	165
65°	128	129	128	129	128	127
75°	68	68	68	68	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°	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2
0.5°	345.2	345.4	345.1	345.1	345.1	345.1	345.1	345.4	345.2	345.4	345.1
1°	345.2	345.2	345.0	345.1	345.1	345.1	345.0	345.2	345.2	345.2	345.0
1.5°	345.2	345.1	345.0	344.8	345.0	344.8	345.0	345.1	345.2	345.1	345.0
2°	345.0	345.1	344.9	344.7	344.9	344.7	344.9	345.1	345.0	345.1	344.9
2.5°	344.8	344.9	344.8	344.6	344.8	344.6	344.8	344.9	344.8	344.9	344.8
3°	344.7	344.6	344.5	344.7	344.6	344.7	344.5	344.6	344.7	344.6	344.5
3.5°	344.4	344.5	344.4	344.4	344.7	344.4	344.4	344.5	344.4	344.5	344.4
4°	344.0	344.2	344.0	344.3	344.4	344.3	344.0	344.2	344.0	344.2	344.0
4.5°	343.9	344.0	343.8	343.9	344.2	343.9	343.8	344.0	343.9	344.0	343.8
5°	343.6	343.7	343.5	343.7	343.8	343.7	343.5	343.7	343.6	343.7	343.5
5.5°	343.5	343.4	343.2	343.3	343.6	343.3	343.2	343.4	343.5	343.4	343.2
6°	343.3	343.0	342.9	343.1	343.2	343.1	342.9	343.0	343.3	343.0	342.9
6.5°	342.7	342.6	342.6	342.6	342.9	342.6	342.6	342.6	342.7	342.6	342.6
7°	342.1	342.2	342.2	342.4	342.4	342.4	342.2	342.2	342.1	342.2	342.2
7.5°	341.8	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.8	341.9	341.9
8°	341.5	341.4	341.5	341.4	341.3	341.4	341.5	341.4	341.5	341.4	341.5
8.5°	340.8	341.0	340.8	340.8	340.9	340.8	340.8	341.0	340.8	341.0	340.8
9°	340.3	340.4	340.4	340.3	340.5	340.3	340.4	340.4	340.3	340.4	340.4
9.5°	339.7	339.9	339.7	339.8	339.9	339.8	339.7	339.9	339.7	339.9	339.7
10°	339.3	339.2	339.2	339.2	339.3	339.2	339.2	339.2	339.3	339.2	339.2
10.5°	338.5	338.7	338.7	338.5	338.7	338.5	338.7	338.7	338.5	338.7	338.7
11°	337.9	338.0	338.1	338.0	338.1	338.0	338.1	338.0	337.9	338.0	338.1
11.5°	337.1	337.5	337.3	337.2	337.4	337.2	337.3	337.5	337.1	337.5	337.3
12°	336.7	336.6	336.5	336.7	336.7	336.7	336.5	336.6	336.7	336.6	336.5
12.5°	335.9	336.0	335.9	336.1	336.1	336.1	335.9	336.0	335.9	336.0	335.9
13°	335.2	335.3	335.1	335.3	335.3	335.3	335.1	335.3	335.2	335.3	335.1
13.5°	334.5	334.5	334.5	334.6	334.6	334.6	334.5	334.5	334.5	334.5	334.5
14°	333.7	333.8	333.6	333.8	333.7	333.8	333.6	333.8	333.7	333.8	333.6
14.5°	332.9	332.9	332.9	332.9	333.1	332.9	332.9	332.9	332.9	332.9	332.9
15°	332.1	331.9	331.8	332.1	332.1	332.1	331.8	331.9	332.1	331.9	331.8
15.5°	330.9	331.1	330.8	331.2	331.3	331.2	330.8	331.1	330.9	331.1	330.8
16°	329.9	330.1	330.0	330.3	330.4	330.3	330.0	330.1	329.9	330.1	330.0
16.5°	329.2	329.3	329.2	329.2	329.4	329.2	329.2	329.3	329.2	329.3	329.2
17°	328.2	328.1	328.2	328.3	328.4	328.3	328.2	328.1	328.2	328.1	328.2
17.5°	327.3	327.1	327.2	327.2	327.4	327.2	327.2	327.1	327.3	327.1	327.2
18°	326.2	326.1	326.1	326.2	326.4	326.2	326.1	326.1	326.2	326.1	326.1
18.5°	325.1	325.0	325.2	325.1	325.2	325.1	325.2	325.0	325.1	325.0	325.2
19°	324.2	324.0	324.2	324.1	324.1	324.1	324.2	324.0	324.2	324.0	324.2
19.5°	323.1	323.0	323.1	322.9	323.0	322.9	323.1	323.0	323.1	323.0	323.1
20°	322.0	321.8	321.9	321.9	322.1	321.9	321.9	321.8	322.0	321.8	321.9
20.5°	320.8	320.6	320.7	320.8	320.9	320.8	320.7	320.6	320.8	320.6	320.7
21°	319.5	319.3	319.5	319.8	319.6	319.8	319.5	319.3	319.5	319.3	319.5

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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°	315.7	315.7	315.7	315.8	315.9	315.8	315.7	315.7	315.7	315.7	315.7
23°	314.6	314.3	314.5	314.5	314.5	314.5	314.5	314.3	314.6	314.3	314.5
23.5°	313.3	313.1	313.2	313.2	313.2	313.2	313.2	313.1	313.3	313.1	313.2
24°	311.7	311.6	311.9	311.9	311.8	311.9	311.9	311.6	311.7	311.6	311.9
24.5°	310.3	310.4	310.5	310.5	310.4	310.5	310.5	310.4	310.3	310.4	310.5
25°	308.9	308.8	309.0	309.1	309.1	309.1	309.0	308.8	308.9	308.8	309.0
25.5°	307.7	307.6	307.7	307.7	307.6	307.7	307.7	307.6	307.7	307.6	307.7
26°	306.2	306.0	306.3	306.2	306.2	306.2	306.3	306.0	306.2	306.0	306.3
26.5°	304.7	304.6	304.8	304.7	304.8	304.7	304.8	304.6	304.7	304.6	304.8
27°	303.2	303.1	303.3	303.2	303.2	303.2	303.3	303.1	303.2	303.1	303.3
27.5°	301.7	301.5	301.8	301.7	301.6	301.7	301.8	301.5	301.7	301.5	301.8
28°	300.2	299.9	300.2	300.1	300.1	300.1	300.2	299.9	300.2	299.9	300.2
28.5°	298.6	298.3	298.7	298.4	298.5	298.4	298.7	298.3	298.6	298.3	298.7
29°	297.0	296.9	297.0	297.0	297.1	297.0	297.0	296.9	297.0	296.9	297.0
29.5°	295.4	295.3	295.4	295.3	295.3	295.3	295.4	295.3	295.4	295.3	295.4
30°	293.7	293.6	293.7	293.7	293.8	293.7	293.7	293.6	293.7	293.6	293.7
30.5°	292.2	291.9	292.0	292.0	292.1	292.0	292.0	291.9	292.2	291.9	292.0
31°	290.4	290.2	290.4	290.4	290.4	290.4	290.4	290.2	290.4	290.2	290.4
31.5°	288.8	288.4	288.6	288.7	288.7	288.7	288.6	288.4	288.8	288.4	288.6
32°	287.0	286.7	286.9	287.0	286.9	287.0	286.9	286.7	287.0	286.7	286.9
32.5°	285.2	285.1	285.2	285.2	285.2	285.2	285.2	285.1	285.2	285.1	285.2
33°	283.5	283.3	283.4	283.5	283.5	283.5	283.4	283.3	283.5	283.3	283.4
33.5°	281.6	281.5	281.6	281.6	281.6	281.6	281.6	281.5	281.6	281.5	281.6
34°	279.7	279.8	279.8	279.8	279.6	279.8	279.8	279.8	279.7	279.8	279.8
34.5°	278.0	277.8	277.9	277.9	277.8	277.9	277.9	277.8	278.0	277.8	277.9
35°	276.1	276.0	276.0	276.1	275.9	276.1	276.0	276.0	276.1	276.0	276.0
35.5°	274.1	274.1	274.2	274.2	274.1	274.2	274.2	274.1	274.1	274.1	274.2
36°	272.2	272.2	272.4	272.3	272.2	272.3	272.4	272.2	272.2	272.2	272.4
36.5°	270.4	270.3	270.4	270.2	270.3	270.2	270.4	270.3	270.4	270.3	270.4
37°	268.3	268.3	268.4	268.2	268.2	268.2	268.4	268.3	268.3	268.3	268.4
37.5°	266.4	266.3	266.3	266.2	266.3	266.2	266.3	266.3	266.4	266.3	266.3
38°	264.4	264.2	264.3	264.3	264.4	264.3	264.3	264.2	264.4	264.2	264.3
38.5°	262.5	262.2	262.4	262.3	262.4	262.3	262.4	262.2	262.5	262.2	262.4
39°	260.4	260.2	260.4	260.3	260.4	260.3	260.4	260.2	260.4	260.2	260.4
39.5°	258.6	258.2	258.3	258.2	258.2	258.2	258.3	258.2	258.6	258.2	258.3
40°	256.4	256.1	256.3	256.1	256.1	256.1	256.3	256.1	256.4	256.1	256.3
40.5°	254.1	253.9	254.0	253.9	253.8	253.9	254.0	253.9	254.1	253.9	254.0
41°	251.9	251.8	251.8	251.9	251.7	251.9	251.8	251.8	251.9	251.8	251.8
41.5°	249.7	249.7	249.7	249.7	249.6	249.7	249.7	249.7	249.7	249.7	249.7
42°	247.5	247.5	247.5	247.6	247.5	247.6	247.5	247.5	247.5	247.5	247.5
42.5°	245.4	245.2	245.4	245.4	245.5	245.4	245.4	245.2	245.4	245.2	245.4
43°	243.1	243.0	243.0	243.2	243.2	243.2	243.0	243.0	243.1	243.0	243.0
43.5°	240.8	240.7	240.8	241.0	240.9	241.0	240.8	240.7	240.8	240.7	240.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	233.9	233.9	234.1	234.1	234.2	234.1	234.1	233.9	233.9	233.9	234.1
45.5°	231.9	231.6	231.8	231.7	231.8	231.7	231.8	231.6	231.9	231.6	231.8
46°	229.5	229.3	229.3	229.4	229.4	229.4	229.3	229.3	229.5	229.3	229.3
46.5°	227.1	227.0	227.0	227.0	227.1	227.0	227.0	227.0	227.1	227.0	227.0
47°	224.7	224.7	224.6	224.6	224.8	224.6	224.6	224.7	224.7	224.7	224.6
47.5°	222.3	222.3	222.4	222.4	222.4	222.4	222.4	222.3	222.3	222.3	222.4
48°	219.8	220.0	220.0	220.0	219.9	220.0	220.0	220.0	219.8	220.0	220.0
48.5°	217.4	217.5	217.6	217.6	217.6	217.6	217.6	217.5	217.4	217.5	217.6
49°	215.1	215.0	215.2	215.2	215.1	215.2	215.2	215.0	215.1	215.0	215.2
49.5°	212.7	212.5	212.8	212.7	212.7	212.7	212.8	212.5	212.7	212.5	212.8
50°	210.1	210.1	210.2	210.3	210.2	210.3	210.2	210.1	210.1	210.1	210.2
50.5°	207.6	207.7	207.7	207.8	207.8	207.8	207.7	207.7	207.6	207.7	207.7
51°	205.3	205.1	205.1	205.4	205.2	205.4	205.1	205.1	205.3	205.1	205.1
51.5°	202.9	202.6	202.6	202.8	202.7	202.8	202.6	202.6	202.9	202.6	202.6
52°	200.3	200.1	200.2	200.2	200.2	200.2	200.2	200.1	200.3	200.1	200.2
52.5°	197.7	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.7	197.6	197.6
53°	195.0	194.9	195.0	195.0	195.0	195.0	195.0	194.9	195.0	194.9	195.0
53.5°	192.4	192.4	192.5	192.4	192.5	192.4	192.5	192.4	192.4	192.4	192.5
54°	189.7	189.7	189.8	189.8	189.8	189.8	189.8	189.7	189.7	189.7	189.8
54.5°	187.1	187.1	187.2	187.2	187.3	187.2	187.2	187.1	187.1	187.1	187.2
55°	184.5	184.5	184.6	184.6	184.6	184.6	184.6	184.5	184.5	184.5	184.6
55.5°	181.7	181.8	181.9	181.9	181.9	181.9	181.9	181.8	181.7	181.8	181.9
56°	179.2	179.2	179.1	179.2	179.1	179.2	179.1	179.2	179.2	179.2	179.1
56.5°	176.7	176.6	176.4	176.6	176.6	176.6	176.4	176.6	176.7	176.6	176.4
57°	173.9	173.9	173.8	173.8	173.8	173.8	173.8	173.9	173.9	173.9	173.8
57.5°	171.0	171.1	171.1	171.2	171.0	171.2	171.1	171.1	171.0	171.1	171.1
58°	168.4	168.4	168.4	168.4	168.3	168.4	168.4	168.4	168.4	168.4	168.4
58.5°	165.7	165.7	165.6	165.6	165.7	165.6	165.6	165.7	165.7	165.7	165.6
59°	162.8	162.8	162.9	162.9	162.9	162.9	162.9	162.8	162.8	162.8	162.9
59.5°	160.1	160.0	160.2	160.2	160.1	160.2	160.2	160.0	160.1	160.0	160.2
60°	157.2	157.2	157.3	157.5	157.4	157.5	157.3	157.2	157.2	157.2	157.3
60.5°	154.5	154.5	154.4	154.6	154.6	154.6	154.4	154.5	154.5	154.5	154.4
61°	151.6	151.6	151.5	151.7	151.7	151.7	151.5	151.6	151.6	151.6	151.5
61.5°	148.8	148.7	148.7	148.9	148.9	148.9	148.7	148.7	148.8	148.7	148.7
62°	145.9	145.9	145.9	146.0	146.0	146.0	145.9	145.9	145.9	145.9	145.9
62.5°	142.9	143.0	143.0	143.0	143.2	143.0	143.0	143.0	142.9	143.0	143.0
63°	140.1	140.1	140.2	140.1	140.2	140.1	140.2	140.1	140.1	140.1	140.2
63.5°	137.1	137.3	137.2	137.2	137.2	137.2	137.2	137.3	137.1	137.3	137.2
64°	134.2	134.2	134.3	134.2	134.4	134.2	134.3	134.2	134.2	134.2	134.3
64.5°	131.2	131.3	131.4	131.3	131.5	131.3	131.4	131.3	131.2	131.3	131.4
65°	128.2	128.3	128.5	128.5	128.7	128.5	128.5	128.3	128.2	128.3	128.5
65.5°	125.4	125.4	125.4	125.5	125.6	125.5	125.4	125.4	125.4	125.4	125.4
66°	122.4	122.4	122.5	122.5	122.6	122.5	122.5	122.4	122.4	122.4	122.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997238

CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	113.5	113.5	113.5	113.5	113.7	113.5	113.5	113.5	113.5	113.5	113.5
68°	110.4	110.5	110.4	110.6	110.7	110.6	110.4	110.5	110.4	110.5	110.4
68.5°	107.5	107.5	107.4	107.6	107.7	107.6	107.4	107.5	107.5	107.5	107.4
69°	104.4	104.5	104.5	104.6	104.6	104.6	104.5	104.5	104.4	104.5	104.5
69.5°	101.3	101.5	101.5	101.4	101.5	101.4	101.5	101.5	101.3	101.5	101.5
70°	98.4	98.4	98.5	98.4	98.5	98.4	98.5	98.4	98.4	98.4	98.5
70.5°	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
71°	92.3	92.5	92.4	92.4	92.4	92.4	92.4	92.5	92.3	92.5	92.4
71.5°	89.2	89.4	89.3	89.3	89.3	89.3	89.3	89.4	89.2	89.4	89.3
72°	86.2	86.2	86.2	86.4	86.2	86.4	86.2	86.2	86.2	86.2	86.2
72.5°	83.1	83.2	83.2	83.2	83.3	83.2	83.2	83.2	83.1	83.2	83.2
73°	80.1	80.1	80.2	80.3	80.2	80.3	80.2	80.1	80.1	80.1	80.2
73.5°	77.0	77.1	77.2	77.3	77.1	77.3	77.2	77.1	77.0	77.1	77.2
74°	74.0	74.2	74.1	74.2	74.2	74.2	74.1	74.2	74.0	74.2	74.1
74.5°	71.0	71.0	71.0	71.2	71.2	71.2	71.0	71.0	71.0	71.0	71.0
75°	68.0	68.0	68.1	68.2	68.2	68.2	68.1	68.0	68.0	68.0	68.1
75.5°	65.0	65.0	65.1	65.1	65.3	65.1	65.1	65.0	65.0	65.0	65.1
76°	62.0	62.0	62.1	62.1	62.2	62.1	62.1	62.0	62.0	62.0	62.1
76.5°	58.9	59.0	59.1	59.2	59.3	59.2	59.1	59.0	58.9	59.0	59.1
77°	56.0	56.1	56.1	56.3	56.5	56.3	56.1	56.1	56.0	56.1	56.1
77.5°	53.0	53.1	53.2	53.4	53.6	53.4	53.2	53.1	53.0	53.1	53.2
78°	50.1	50.2	50.4	50.5	50.7	50.5	50.4	50.2	50.1	50.2	50.4
78.5°	47.3	47.3	47.5	47.5	47.7	47.5	47.5	47.3	47.3	47.3	47.5
79°	44.5	44.5	44.6	44.8	45.0	44.8	44.6	44.5	44.5	44.5	44.6
79.5°	41.7	41.7	41.9	42.0	42.1	42.0	41.9	41.7	41.7	41.7	41.9
80°	39.0	39.0	39.1	39.2	39.3	39.2	39.1	39.0	39.0	39.0	39.1
80.5°	36.3	36.3	36.5	36.6	36.6	36.6	36.5	36.3	36.3	36.3	36.5
81°	33.7	33.7	33.8	34.0	33.9	34.0	33.8	33.7	33.7	33.7	33.8
81.5°	31.0	31.0	31.2	31.3	31.3	31.3	31.2	31.0	31.0	31.0	31.2
82°	28.5	28.5	28.6	28.8	28.8	28.8	28.6	28.5	28.5	28.5	28.6
82.5°	25.9	26.0	26.1	26.4	26.5	26.4	26.1	26.0	25.9	26.0	26.1
83°	23.5	23.5	23.8	24.1	24.2	24.1	23.8	23.5	23.5	23.5	23.8
83.5°	21.0	21.1	21.4	21.7	21.9	21.7	21.4	21.1	21.0	21.1	21.4
84°	18.8	18.9	19.3	19.5	19.7	19.5	19.3	18.9	18.8	18.9	19.3
84.5°	16.7	16.8	17.1	17.4	17.8	17.4	17.1	16.8	16.7	16.8	17.1
85°	14.7	14.8	15.1	15.4	15.5	15.4	15.1	14.8	14.7	14.8	15.1
85.5°	12.8	12.9	13.2	13.5	13.9	13.5	13.2	12.9	12.8	12.9	13.2
86°	11.1	11.2	11.5	11.8	12.1	11.8	11.5	11.2	11.1	11.2	11.5
86.5°	9.4	9.5	9.9	10.3	10.7	10.3	9.9	9.5	9.4	9.5	9.9
87°	7.8	8.0	8.4	8.8	9.2	8.8	8.4	8.0	7.8	8.0	8.4
87.5°	6.4	6.7	7.1	7.4	7.9	7.4	7.1	6.7	6.4	6.7	7.1
88°	5.3	5.5	5.8	6.2	6.6	6.2	5.8	5.5	5.3	5.5	5.8
88.5°	4.2	4.4	4.7	5.1	5.6	5.1	4.7	4.4	4.2	4.4	4.7

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

Scaled Data Report



TEST NUMBER: P997238
CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

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: P997238

CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	345.2	345.2	345.2	345.2	345.2	345.2
0.5°	345.1	345.1	345.1	345.1	345.4	345.2
1°	345.1	345.1	345.1	345.0	345.2	345.2
1.5°	344.8	345.0	344.8	345.0	345.1	345.2
2°	344.7	344.9	344.7	344.9	345.1	345.0
2.5°	344.6	344.8	344.6	344.8	344.9	344.8
3°	344.7	344.6	344.7	344.5	344.6	344.7
3.5°	344.4	344.7	344.4	344.4	344.5	344.4
4°	344.3	344.4	344.3	344.0	344.2	344.0
4.5°	343.9	344.2	343.9	343.8	344.0	343.9
5°	343.7	343.8	343.7	343.5	343.7	343.6
5.5°	343.3	343.6	343.3	343.2	343.4	343.5
6°	343.1	343.2	343.1	342.9	343.0	343.3
6.5°	342.6	342.9	342.6	342.6	342.6	342.7
7°	342.4	342.4	342.4	342.2	342.2	342.1
7.5°	341.9	341.9	341.9	341.9	341.9	341.8
8°	341.4	341.3	341.4	341.5	341.4	341.5
8.5°	340.8	340.9	340.8	340.8	341.0	340.8
9°	340.3	340.5	340.3	340.4	340.4	340.3
9.5°	339.8	339.9	339.8	339.7	339.9	339.7
10°	339.2	339.3	339.2	339.2	339.2	339.3
10.5°	338.5	338.7	338.5	338.7	338.7	338.5
11°	338.0	338.1	338.0	338.1	338.0	337.9
11.5°	337.2	337.4	337.2	337.3	337.5	337.1
12°	336.7	336.7	336.7	336.5	336.6	336.7
12.5°	336.1	336.1	336.1	335.9	336.0	335.9
13°	335.3	335.3	335.3	335.1	335.3	335.2
13.5°	334.6	334.6	334.6	334.5	334.5	334.5
14°	333.8	333.7	333.8	333.6	333.8	333.7
14.5°	332.9	333.1	332.9	332.9	332.9	332.9
15°	332.1	332.1	332.1	331.8	331.9	332.1
15.5°	331.2	331.3	331.2	330.8	331.1	330.9
16°	330.3	330.4	330.3	330.0	330.1	329.9
16.5°	329.2	329.4	329.2	329.2	329.3	329.2
17°	328.3	328.4	328.3	328.2	328.1	328.2
17.5°	327.2	327.4	327.2	327.2	327.1	327.3
18°	326.2	326.4	326.2	326.1	326.1	326.2
18.5°	325.1	325.2	325.1	325.2	325.0	325.1
19°	324.1	324.1	324.1	324.2	324.0	324.2
19.5°	322.9	323.0	322.9	323.1	323.0	323.1
20°	321.9	322.1	321.9	321.9	321.8	322.0
20.5°	320.8	320.9	320.8	320.7	320.6	320.8
21°	319.8	319.6	319.8	319.5	319.3	319.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997238

CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	315.8	315.9	315.8	315.7	315.7	315.7
23°	314.5	314.5	314.5	314.5	314.3	314.6
23.5°	313.2	313.2	313.2	313.2	313.1	313.3
24°	311.9	311.8	311.9	311.9	311.6	311.7
24.5°	310.5	310.4	310.5	310.5	310.4	310.3
25°	309.1	309.1	309.1	309.0	308.8	308.9
25.5°	307.7	307.6	307.7	307.7	307.6	307.7
26°	306.2	306.2	306.2	306.3	306.0	306.2
26.5°	304.7	304.8	304.7	304.8	304.6	304.7
27°	303.2	303.2	303.2	303.3	303.1	303.2
27.5°	301.7	301.6	301.7	301.8	301.5	301.7
28°	300.1	300.1	300.1	300.2	299.9	300.2
28.5°	298.4	298.5	298.4	298.7	298.3	298.6
29°	297.0	297.1	297.0	297.0	296.9	297.0
29.5°	295.3	295.3	295.3	295.4	295.3	295.4
30°	293.7	293.8	293.7	293.7	293.6	293.7
30.5°	292.0	292.1	292.0	292.0	291.9	292.2
31°	290.4	290.4	290.4	290.4	290.2	290.4
31.5°	288.7	288.7	288.7	288.6	288.4	288.8
32°	287.0	286.9	287.0	286.9	286.7	287.0
32.5°	285.2	285.2	285.2	285.2	285.1	285.2
33°	283.5	283.5	283.5	283.4	283.3	283.5
33.5°	281.6	281.6	281.6	281.6	281.5	281.6
34°	279.8	279.6	279.8	279.8	279.8	279.7
34.5°	277.9	277.8	277.9	277.9	277.8	278.0
35°	276.1	275.9	276.1	276.0	276.0	276.1
35.5°	274.2	274.1	274.2	274.2	274.1	274.1
36°	272.3	272.2	272.3	272.4	272.2	272.2
36.5°	270.2	270.3	270.2	270.4	270.3	270.4
37°	268.2	268.2	268.2	268.4	268.3	268.3
37.5°	266.2	266.3	266.2	266.3	266.3	266.4
38°	264.3	264.4	264.3	264.3	264.2	264.4
38.5°	262.3	262.4	262.3	262.4	262.2	262.5
39°	260.3	260.4	260.3	260.4	260.2	260.4
39.5°	258.2	258.2	258.2	258.3	258.2	258.6
40°	256.1	256.1	256.1	256.3	256.1	256.4
40.5°	253.9	253.8	253.9	254.0	253.9	254.1
41°	251.9	251.7	251.9	251.8	251.8	251.9
41.5°	249.7	249.6	249.7	249.7	249.7	249.7
42°	247.6	247.5	247.6	247.5	247.5	247.5
42.5°	245.4	245.5	245.4	245.4	245.2	245.4
43°	243.2	243.2	243.2	243.0	243.0	243.1
43.5°	241.0	240.9	241.0	240.8	240.7	240.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997238

CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	234.1	234.2	234.1	234.1	233.9	233.9
45.5°	231.7	231.8	231.7	231.8	231.6	231.9
46°	229.4	229.4	229.4	229.3	229.3	229.5
46.5°	227.0	227.1	227.0	227.0	227.0	227.1
47°	224.6	224.8	224.6	224.6	224.7	224.7
47.5°	222.4	222.4	222.4	222.4	222.3	222.3
48°	220.0	219.9	220.0	220.0	220.0	219.8
48.5°	217.6	217.6	217.6	217.6	217.5	217.4
49°	215.2	215.1	215.2	215.2	215.0	215.1
49.5°	212.7	212.7	212.7	212.8	212.5	212.7
50°	210.3	210.2	210.3	210.2	210.1	210.1
50.5°	207.8	207.8	207.8	207.7	207.7	207.6
51°	205.4	205.2	205.4	205.1	205.1	205.3
51.5°	202.8	202.7	202.8	202.6	202.6	202.9
52°	200.2	200.2	200.2	200.2	200.1	200.3
52.5°	197.6	197.6	197.6	197.6	197.6	197.7
53°	195.0	195.0	195.0	195.0	194.9	195.0
53.5°	192.4	192.5	192.4	192.5	192.4	192.4
54°	189.8	189.8	189.8	189.8	189.7	189.7
54.5°	187.2	187.3	187.2	187.2	187.1	187.1
55°	184.6	184.6	184.6	184.6	184.5	184.5
55.5°	181.9	181.9	181.9	181.9	181.8	181.7
56°	179.2	179.1	179.2	179.1	179.2	179.2
56.5°	176.6	176.6	176.6	176.4	176.6	176.7
57°	173.8	173.8	173.8	173.8	173.9	173.9
57.5°	171.2	171.0	171.2	171.1	171.1	171.0
58°	168.4	168.3	168.4	168.4	168.4	168.4
58.5°	165.6	165.7	165.6	165.6	165.7	165.7
59°	162.9	162.9	162.9	162.9	162.8	162.8
59.5°	160.2	160.1	160.2	160.2	160.0	160.1
60°	157.5	157.4	157.5	157.3	157.2	157.2
60.5°	154.6	154.6	154.6	154.4	154.5	154.5
61°	151.7	151.7	151.7	151.5	151.6	151.6
61.5°	148.9	148.9	148.9	148.7	148.7	148.8
62°	146.0	146.0	146.0	145.9	145.9	145.9
62.5°	143.0	143.2	143.0	143.0	143.0	142.9
63°	140.1	140.2	140.1	140.2	140.1	140.1
63.5°	137.2	137.2	137.2	137.2	137.3	137.1
64°	134.2	134.4	134.2	134.3	134.2	134.2
64.5°	131.3	131.5	131.3	131.4	131.3	131.2
65°	128.5	128.7	128.5	128.5	128.3	128.2
65.5°	125.5	125.6	125.5	125.4	125.4	125.4
66°	122.5	122.6	122.5	122.5	122.4	122.4

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997238

CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	113.5	113.7	113.5	113.5	113.5	113.5
68°	110.6	110.7	110.6	110.4	110.5	110.4
68.5°	107.6	107.7	107.6	107.4	107.5	107.5
69°	104.6	104.6	104.6	104.5	104.5	104.4
69.5°	101.4	101.5	101.4	101.5	101.5	101.3
70°	98.4	98.5	98.4	98.5	98.4	98.4
70.5°	95.4	95.4	95.4	95.4	95.4	95.4
71°	92.4	92.4	92.4	92.4	92.5	92.3
71.5°	89.3	89.3	89.3	89.3	89.4	89.2
72°	86.4	86.2	86.4	86.2	86.2	86.2
72.5°	83.2	83.3	83.2	83.2	83.2	83.1
73°	80.3	80.2	80.3	80.2	80.1	80.1
73.5°	77.3	77.1	77.3	77.2	77.1	77.0
74°	74.2	74.2	74.2	74.1	74.2	74.0
74.5°	71.2	71.2	71.2	71.0	71.0	71.0
75°	68.2	68.2	68.2	68.1	68.0	68.0
75.5°	65.1	65.3	65.1	65.1	65.0	65.0
76°	62.1	62.2	62.1	62.1	62.0	62.0
76.5°	59.2	59.3	59.2	59.1	59.0	58.9
77°	56.3	56.5	56.3	56.1	56.1	56.0
77.5°	53.4	53.6	53.4	53.2	53.1	53.0
78°	50.5	50.7	50.5	50.4	50.2	50.1
78.5°	47.5	47.7	47.5	47.5	47.3	47.3
79°	44.8	45.0	44.8	44.6	44.5	44.5
79.5°	42.0	42.1	42.0	41.9	41.7	41.7
80°	39.2	39.3	39.2	39.1	39.0	39.0
80.5°	36.6	36.6	36.6	36.5	36.3	36.3
81°	34.0	33.9	34.0	33.8	33.7	33.7
81.5°	31.3	31.3	31.3	31.2	31.0	31.0
82°	28.8	28.8	28.8	28.6	28.5	28.5
82.5°	26.4	26.5	26.4	26.1	26.0	25.9
83°	24.1	24.2	24.1	23.8	23.5	23.5
83.5°	21.7	21.9	21.7	21.4	21.1	21.0
84°	19.5	19.7	19.5	19.3	18.9	18.8
84.5°	17.4	17.8	17.4	17.1	16.8	16.7
85°	15.4	15.5	15.4	15.1	14.8	14.7
85.5°	13.5	13.9	13.5	13.2	12.9	12.8
86°	11.8	12.1	11.8	11.5	11.2	11.1
86.5°	10.3	10.7	10.3	9.9	9.5	9.4
87°	8.8	9.2	8.8	8.4	8.0	7.8
87.5°	7.4	7.9	7.4	7.1	6.7	6.4
88°	6.2	6.6	6.2	5.8	5.5	5.3
88.5°	5.1	5.6	5.1	4.7	4.4	4.2

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Scaled Data Report



TEST NUMBER: P997238
CATALOG NUMBER: SMX8RLSFS010-900LM-3500K

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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1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	318.3	318.2	318.3	318.3	318.4	318.3	318.3	318.2	318.3	318.2	318.3
22°	317.2	317.0	317.0	317.0	317.1	317.0	317.0	317.0	317.2	317.0	317.0



44°	238.5	238.5	238.6	238.8	238.7	238.8	238.6	238.5	238.5	238.5	238.6
44.5°	236.2	236.3	236.4	236.5	236.4	236.5	236.4	236.3	236.2	236.3	236.4



66.5°	119.4	119.4	119.5	119.5	119.6	119.5	119.5	119.4	119.4	119.4	119.5
67°	116.5	116.4	116.5	116.5	116.6	116.5	116.5	116.4	116.5	116.4	116.5



89°	3.4	3.5	3.8	4.2	4.5	4.2	3.8	3.5	3.4	3.5	3.8
89.5°	2.6	2.7	3.0	3.4	3.8	3.4	3.0	2.7	2.6	2.7	3.0

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21.5°	318.3	318.4	318.3	318.3	318.2	318.3
22°	317.0	317.1	317.0	317.0	317.0	317.2

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44°	238.8	238.7	238.8	238.6	238.5	238.5
44.5°	236.5	236.4	236.5	236.4	236.3	236.2

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66.5°	119.5	119.6	119.5	119.5	119.4	119.4
67°	116.5	116.6	116.5	116.5	116.4	116.5

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89°	4.2	4.5	4.2	3.8	3.5	3.4
89.5°	3.4	3.8	3.4	3.0	2.7	2.6

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(END OF REPORT)