

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: P997138

Luminaire Tested: **SMX4RLSFS010-1000LM-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: P997138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410580A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX4RLSFS010-1000LM-3500K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3500K CCT
Ballast/Driver: -

Summary

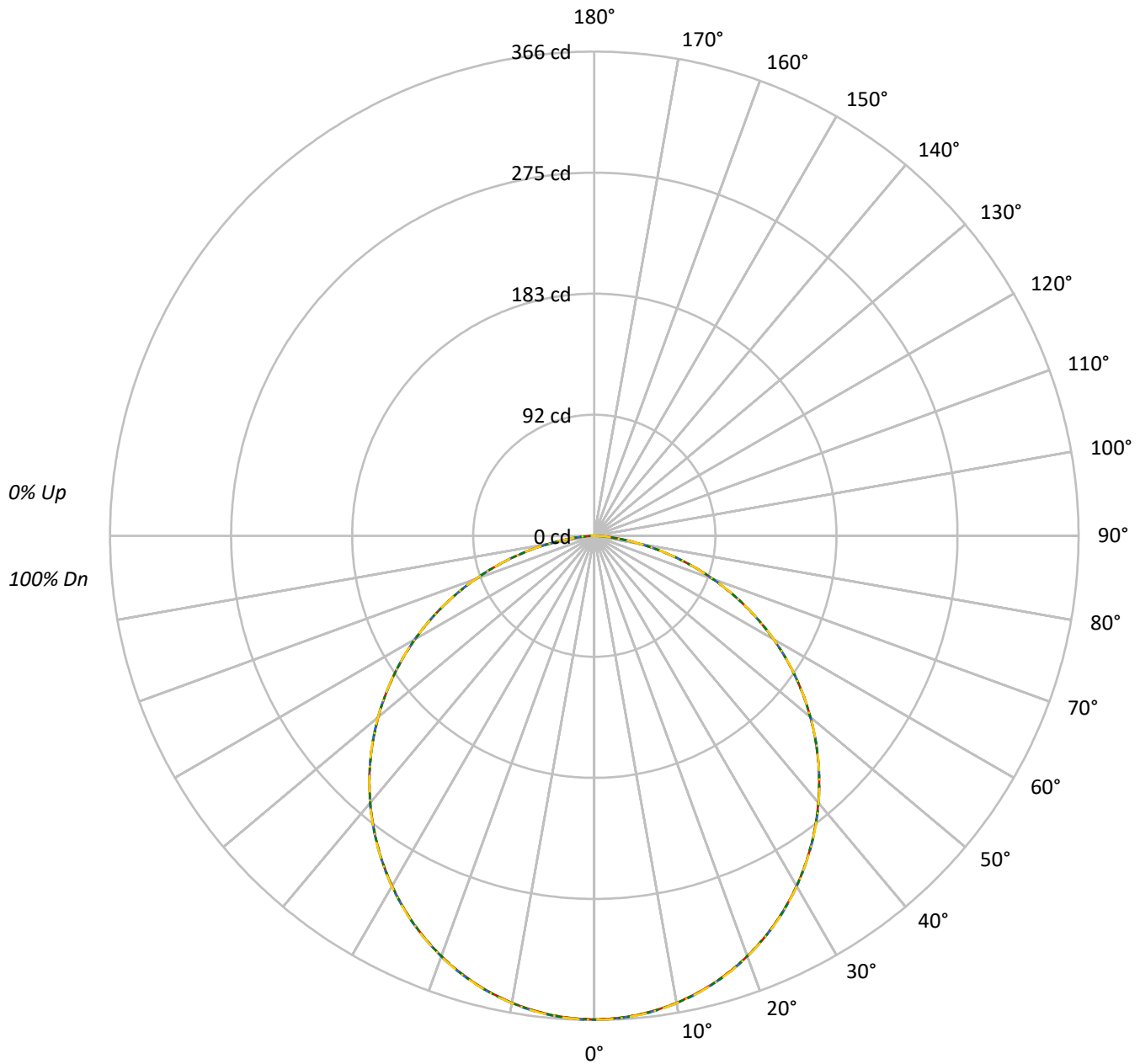
Lumens per Lamp: N/A
Luminaire Lumens: 1018.9 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70		
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50		
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44		
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38		
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34		
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30		
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27		
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46023	46023	46023	46023
5°	45959	45972	45959	45972
10°	45826	45826	45826	45826
15°	45588	45614	45588	45614
20°	45281	45281	45281	45281
25°	44893	44893	44893	44893
30°	44424	44424	44424	44424
35°	43878	43893	43878	43893
40°	43289	43289	43289	43289
45°	42572	42555	42572	42555
50°	41742	41742	41742	41742
55°	40723	40701	40723	40701
60°	39391	39366	39391	39366
65°	37581	37581	37581	37581
70°	35030	35030	35030	35030
75°	31217	31217	31217	31217
80°	25293	25293	25293	25293
85°	15884	16750	15884	16750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	3.4
10°-20°	98.8	9.7
20°-30°	149.0	14.6
30°-40°	178.7	17.5
40°-50°	184.5	18.1
50°-60°	165.8	16.3
60°-70°	124.8	12.2
70°-80°	68.0	6.7
80°-90°	14.8	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	282.3	27.7
0°-40°	461.1	45.3
0°-60°	811.3	79.6
0°-90°	1018.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	366	366	366	366	366	
5°	364	364	364	364	364	35
15°	350	350	350	350	350	99
25°	323	323	323	323	323	149
35°	286	286	286	286	286	179
45°	239	239	239	239	239	184
55°	186	186	186	186	186	166
65°	126	126	126	126	126	125
75°	64	64	64	64	64	68
85°	11	12	11	12	11	15
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°	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7
0.5°	365.6	365.4	365.9	365.8	365.5	365.8	365.9	365.4	365.6	365.4	365.9
1°	365.3	365.4	365.8	365.7	365.7	365.7	365.8	365.4	365.3	365.4	365.8
1.5°	365.4	365.3	365.8	365.6	365.5	365.6	365.8	365.3	365.4	365.3	365.8
2°	365.1	365.1	365.5	365.6	365.3	365.6	365.5	365.1	365.1	365.1	365.5
2.5°	365.1	365.0	365.4	365.4	365.2	365.4	365.4	365.0	365.1	365.0	365.4
3°	364.9	364.8	365.2	365.2	365.1	365.2	365.2	364.8	364.9	364.8	365.2
3.5°	364.6	364.6	365.0	364.9	364.7	364.9	365.0	364.6	364.6	364.6	365.0
4°	364.4	364.3	364.7	364.8	364.6	364.8	364.7	364.3	364.4	364.3	364.7
4.5°	364.0	364.0	364.5	364.4	364.1	364.4	364.5	364.0	364.0	364.0	364.5
5°	363.8	363.7	364.0	364.0	363.9	364.0	364.0	363.7	363.8	363.7	364.0
5.5°	363.4	363.2	363.8	363.7	363.4	363.7	363.8	363.2	363.4	363.2	363.8
6°	362.9	362.9	363.3	363.3	363.1	363.3	363.3	362.9	362.9	362.9	363.3
6.5°	362.4	362.5	363.0	362.9	362.6	362.9	363.0	362.5	362.4	362.5	363.0
7°	362.0	361.9	362.4	362.4	362.3	362.4	362.4	361.9	362.0	361.9	362.4
7.5°	361.6	361.5	361.9	361.8	361.5	361.8	361.9	361.5	361.6	361.5	361.9
8°	361.0	361.0	361.3	361.3	361.2	361.3	361.3	361.0	361.0	361.0	361.3
8.5°	360.4	360.3	360.8	360.7	360.5	360.7	360.8	360.3	360.4	360.3	360.8
9°	359.9	359.7	360.1	360.1	359.9	360.1	360.1	359.7	359.9	359.7	360.1
9.5°	359.1	359.1	359.5	359.5	359.3	359.5	359.5	359.1	359.1	359.1	359.5
10°	358.6	358.4	358.8	358.8	358.6	358.8	358.8	358.4	358.6	358.4	358.8
10.5°	357.9	357.7	358.1	358.1	357.8	358.1	358.1	357.7	357.9	357.7	358.1
11°	356.9	357.0	357.3	357.4	357.2	357.4	357.3	357.0	356.9	357.0	357.3
11.5°	356.2	356.2	356.6	356.5	356.3	356.5	356.6	356.2	356.2	356.2	356.6
12°	355.4	355.4	355.8	355.8	355.6	355.8	355.8	355.4	355.4	355.4	355.8
12.5°	354.6	354.5	354.9	354.9	354.6	354.9	354.9	354.5	354.6	354.5	354.9
13°	353.7	353.7	354.1	354.0	353.9	354.0	354.1	353.7	353.7	353.7	354.1
13.5°	352.9	352.7	353.2	353.1	352.9	353.1	353.2	352.7	352.9	352.7	353.2
14°	351.8	351.8	352.2	352.2	352.1	352.2	352.2	351.8	351.8	351.8	352.2
14.5°	350.9	350.8	351.3	351.2	351.0	351.2	351.3	350.8	350.9	350.8	351.3
15°	349.9	349.8	350.2	350.2	350.1	350.2	350.2	349.8	349.9	349.8	350.2
15.5°	348.9	348.8	349.2	349.2	348.8	349.2	349.2	348.8	348.9	348.8	349.2
16°	347.7	347.7	348.1	348.1	348.0	348.1	348.1	347.7	347.7	347.7	348.1
16.5°	346.7	346.6	347.0	346.9	346.7	346.9	347.0	346.6	346.7	346.6	347.0
17°	345.5	345.5	345.8	345.8	345.7	345.8	345.8	345.5	345.5	345.5	345.8
17.5°	344.4	344.3	344.8	344.6	344.4	344.6	344.8	344.3	344.4	344.3	344.8
18°	343.2	343.1	343.5	343.4	343.3	343.4	343.5	343.1	343.2	343.1	343.5
18.5°	342.1	341.9	342.3	342.2	341.9	342.2	342.3	341.9	342.1	341.9	342.3
19°	340.7	340.6	341.0	340.9	340.8	340.9	341.0	340.6	340.7	340.6	341.0
19.5°	339.5	339.3	339.8	339.7	339.4	339.7	339.8	339.3	339.5	339.3	339.8
20°	338.1	338.0	338.3	338.3	338.1	338.3	338.3	338.0	338.1	338.0	338.3
20.5°	336.8	336.7	337.1	337.0	336.7	337.0	337.1	336.7	336.8	336.7	337.1
21°	335.3	335.3	335.7	335.6	335.4	335.6	335.7	335.3	335.3	335.3	335.7

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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°	331.1	330.9	331.4	331.3	330.9	331.3	331.4	330.9	331.1	330.9	331.4
23°	329.5	329.5	329.8	329.8	329.6	329.8	329.8	329.5	329.5	329.5	329.8
23.5°	328.1	327.9	328.4	328.3	328.0	328.3	328.4	327.9	328.1	327.9	328.4
24°	326.4	326.4	326.7	326.7	326.6	326.7	326.7	326.4	326.4	326.4	326.7
24.5°	324.9	324.7	325.2	325.1	324.8	325.1	325.2	324.7	324.9	324.7	325.2
25°	323.3	323.2	323.5	323.5	323.3	323.5	323.5	323.2	323.3	323.2	323.5
25.5°	321.7	321.5	321.9	321.8	321.6	321.8	321.9	321.5	321.7	321.5	321.9
26°	320.0	319.9	320.3	320.2	320.0	320.2	320.3	319.9	320.0	319.9	320.3
26.5°	318.3	318.2	318.6	318.5	318.2	318.5	318.6	318.2	318.3	318.2	318.6
27°	316.5	316.5	316.8	316.8	316.6	316.8	316.8	316.5	316.5	316.5	316.8
27.5°	314.9	314.6	315.1	315.1	314.7	315.1	315.1	314.6	314.9	314.6	315.1
28°	313.1	313.0	313.3	313.2	313.1	313.2	313.3	313.0	313.1	313.0	313.3
28.5°	311.3	311.1	311.5	311.5	311.2	311.5	311.5	311.1	311.3	311.1	311.5
29°	309.4	309.4	309.7	309.6	309.5	309.6	309.7	309.4	309.4	309.4	309.7
29.5°	307.6	307.5	307.9	307.9	307.5	307.9	307.9	307.5	307.6	307.5	307.9
30°	305.7	305.7	305.9	305.9	305.7	305.9	305.9	305.7	305.7	305.7	305.9
30.5°	303.8	303.7	304.1	304.0	303.8	304.0	304.1	303.7	303.8	303.7	304.1
31°	301.9	301.8	302.2	302.1	301.9	302.1	302.2	301.8	301.9	301.8	302.2
31.5°	300.0	299.8	300.2	300.1	299.8	300.1	300.2	299.8	300.0	299.8	300.2
32°	297.9	297.9	298.2	298.2	298.0	298.2	298.2	297.9	297.9	297.9	298.2
32.5°	296.0	295.8	296.3	296.2	295.9	296.2	296.3	295.8	296.0	295.8	296.3
33°	294.0	293.9	294.2	294.1	294.0	294.1	294.2	293.9	294.0	293.9	294.2
33.5°	291.9	291.8	292.2	292.1	291.8	292.1	292.2	291.8	291.9	291.8	292.2
34°	289.9	289.8	290.1	290.1	289.9	290.1	290.1	289.8	289.9	289.8	290.1
34.5°	287.9	287.7	288.1	287.9	287.6	287.9	288.1	287.7	287.9	287.7	288.1
35°	285.6	285.6	285.9	285.8	285.7	285.8	285.9	285.6	285.6	285.6	285.9
35.5°	283.6	283.5	283.9	283.7	283.5	283.7	283.9	283.5	283.6	283.5	283.9
36°	281.4	281.3	281.6	281.6	281.4	281.6	281.6	281.3	281.4	281.3	281.6
36.5°	279.2	279.1	279.6	279.4	279.2	279.4	279.6	279.1	279.2	279.1	279.6
37°	277.0	277.0	277.3	277.2	277.0	277.2	277.3	277.0	277.0	277.0	277.3
37.5°	274.9	274.7	275.1	275.0	274.8	275.0	275.1	274.7	274.9	274.7	275.1
38°	272.5	272.5	272.8	272.7	272.6	272.7	272.8	272.5	272.5	272.5	272.8
38.5°	270.4	270.2	270.6	270.4	270.2	270.4	270.6	270.2	270.4	270.2	270.6
39°	268.1	268.0	268.3	268.2	268.1	268.2	268.3	268.0	268.1	268.0	268.3
39.5°	265.7	265.7	266.0	265.9	265.7	265.9	266.0	265.7	265.7	265.7	266.0
40°	263.5	263.3	263.6	263.6	263.5	263.6	263.6	263.3	263.5	263.3	263.6
40.5°	261.2	260.9	261.4	261.3	260.9	261.3	261.4	260.9	261.2	260.9	261.4
41°	258.7	258.6	258.9	258.9	258.7	258.9	258.9	258.6	258.7	258.6	258.9
41.5°	256.4	256.3	256.6	256.5	256.3	256.5	256.6	256.3	256.4	256.3	256.6
42°	254.0	253.9	254.2	254.1	253.9	254.1	254.2	253.9	254.0	253.9	254.2
42.5°	251.6	251.4	251.8	251.7	251.4	251.7	251.8	251.4	251.6	251.4	251.8
43°	249.2	249.0	249.3	249.3	249.1	249.3	249.3	249.0	249.2	249.0	249.3
43.5°	246.7	246.5	246.9	246.8	246.5	246.8	246.9	246.5	246.7	246.5	246.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	239.2	239.1	239.4	239.3	239.1	239.3	239.4	239.1	239.2	239.1	239.4
45.5°	236.7	236.6	236.9	236.8	236.5	236.8	236.9	236.6	236.7	236.6	236.9
46°	234.1	234.1	234.3	234.2	234.1	234.2	234.3	234.1	234.1	234.1	234.3
46.5°	231.5	231.5	231.8	231.7	231.4	231.7	231.8	231.5	231.5	231.5	231.8
47°	228.9	228.9	229.2	229.1	229.0	229.1	229.2	228.9	228.9	228.9	229.2
47.5°	226.4	226.3	226.6	226.5	226.2	226.5	226.6	226.3	226.4	226.3	226.6
48°	223.8	223.7	224.0	223.9	223.7	223.9	224.0	223.7	223.8	223.7	224.0
48.5°	221.2	221.1	221.3	221.3	221.0	221.3	221.3	221.1	221.2	221.1	221.3
49°	218.5	218.4	218.7	218.6	218.5	218.6	218.7	218.4	218.5	218.4	218.7
49.5°	215.8	215.8	216.1	216.0	215.7	216.0	216.1	215.8	215.8	215.8	216.1
50°	213.2	213.1	213.4	213.2	213.2	213.2	213.4	213.1	213.2	213.1	213.4
50.5°	210.5	210.4	210.6	210.6	210.3	210.6	210.6	210.4	210.5	210.4	210.6
51°	207.8	207.7	207.9	207.8	207.8	207.8	207.9	207.7	207.8	207.7	207.9
51.5°	205.1	205.0	205.2	205.1	204.9	205.1	205.2	205.0	205.1	205.0	205.2
52°	202.3	202.3	202.5	202.4	202.3	202.4	202.5	202.3	202.3	202.3	202.5
52.5°	199.6	199.5	199.8	199.6	199.5	199.6	199.8	199.5	199.6	199.5	199.8
53°	196.8	196.8	196.9	196.8	196.8	196.8	196.9	196.8	196.8	196.8	196.9
53.5°	194.0	194.0	194.1	194.1	193.8	194.1	194.1	194.0	194.0	194.0	194.1
54°	191.2	191.1	191.3	191.2	191.2	191.2	191.3	191.1	191.2	191.1	191.3
54.5°	188.4	188.3	188.6	188.4	188.3	188.4	188.6	188.3	188.4	188.3	188.6
55°	185.6	185.5	185.7	185.6	185.5	185.6	185.7	185.5	185.6	185.5	185.7
55.5°	182.8	182.7	182.9	182.8	182.6	182.8	182.9	182.7	182.8	182.7	182.9
56°	179.9	179.8	179.9	179.9	179.8	179.9	179.9	179.8	179.9	179.8	179.9
56.5°	177.0	177.0	177.2	177.0	176.9	177.0	177.2	177.0	177.0	177.0	177.2
57°	174.0	174.0	174.2	174.1	174.0	174.1	174.2	174.0	174.0	174.0	174.2
57.5°	171.2	171.1	171.3	171.2	171.1	171.2	171.3	171.1	171.2	171.1	171.3
58°	168.3	168.2	168.4	168.3	168.2	168.3	168.4	168.2	168.3	168.2	168.4
58.5°	165.4	165.3	165.5	165.4	165.2	165.4	165.5	165.3	165.4	165.3	165.5
59°	162.4	162.3	162.5	162.5	162.4	162.5	162.5	162.3	162.4	162.3	162.5
59.5°	159.5	159.4	159.6	159.5	159.3	159.5	159.6	159.4	159.5	159.4	159.6
60°	156.5	156.4	156.6	156.5	156.4	156.5	156.6	156.4	156.5	156.4	156.6
60.5°	153.5	153.5	153.7	153.6	153.4	153.6	153.7	153.5	153.5	153.5	153.7
61°	150.5	150.5	150.6	150.6	150.4	150.6	150.6	150.5	150.5	150.5	150.6
61.5°	147.6	147.5	147.7	147.6	147.4	147.6	147.7	147.5	147.6	147.5	147.7
62°	144.5	144.5	144.6	144.5	144.5	144.5	144.6	144.5	144.5	144.5	144.6
62.5°	141.5	141.4	141.6	141.5	141.4	141.5	141.6	141.4	141.5	141.4	141.6
63°	138.4	138.4	138.5	138.5	138.4	138.5	138.5	138.4	138.4	138.4	138.5
63.5°	135.4	135.4	135.5	135.4	135.3	135.4	135.5	135.4	135.4	135.4	135.5
64°	132.3	132.3	132.4	132.4	132.3	132.4	132.4	132.3	132.3	132.3	132.4
64.5°	129.3	129.3	129.4	129.3	129.2	129.3	129.4	129.3	129.3	129.3	129.4
65°	126.2	126.2	126.3	126.3	126.2	126.3	126.3	126.2	126.2	126.2	126.3
65.5°	123.2	123.1	123.3	123.2	123.0	123.2	123.3	123.1	123.2	123.1	123.3
66°	120.0	120.0	120.1	120.1	120.0	120.1	120.1	120.0	120.0	120.0	120.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997138

CATALOG NUMBER: SMX4RLSFS010-1000LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	110.8	110.8	110.9	110.8	110.6	110.8	110.9	110.8	110.8	110.8	110.9
68°	107.6	107.6	107.7	107.7	107.6	107.7	107.7	107.6	107.6	107.6	107.7
68.5°	104.6	104.5	104.6	104.6	104.4	104.6	104.6	104.5	104.6	104.5	104.6
69°	101.4	101.4	101.5	101.5	101.4	101.5	101.5	101.4	101.4	101.4	101.5
69.5°	98.3	98.3	98.4	98.4	98.3	98.4	98.4	98.3	98.3	98.3	98.4
70°	95.2	95.2	95.3	95.2	95.2	95.2	95.3	95.2	95.2	95.2	95.3
70.5°	92.1	92.0	92.2	92.1	92.1	92.1	92.2	92.0	92.1	92.0	92.2
71°	89.0	88.9	89.0	89.0	89.0	89.0	89.0	88.9	89.0	88.9	89.0
71.5°	85.8	85.8	85.9	85.9	85.8	85.9	85.9	85.8	85.8	85.8	85.9
72°	82.8	82.7	82.8	82.8	82.8	82.8	82.8	82.7	82.8	82.7	82.8
72.5°	79.6	79.6	79.7	79.6	79.6	79.6	79.7	79.6	79.6	79.6	79.7
73°	76.5	76.5	76.6	76.6	76.5	76.6	76.6	76.5	76.5	76.5	76.6
73.5°	73.4	73.4	73.5	73.5	73.4	73.5	73.5	73.4	73.4	73.4	73.5
74°	70.4	70.3	70.4	70.4	70.3	70.4	70.4	70.3	70.4	70.3	70.4
74.5°	67.2	67.3	67.3	67.4	67.2	67.4	67.3	67.3	67.2	67.3	67.3
75°	64.2	64.2	64.3	64.3	64.2	64.3	64.3	64.2	64.2	64.2	64.3
75.5°	61.1	61.1	61.2	61.2	61.1	61.2	61.2	61.1	61.1	61.1	61.2
76°	58.1	58.1	58.1	58.2	58.1	58.2	58.1	58.1	58.1	58.1	58.1
76.5°	55.1	55.1	55.2	55.2	55.1	55.2	55.2	55.1	55.1	55.1	55.2
77°	52.1	52.2	52.2	52.2	52.1	52.2	52.2	52.2	52.1	52.2	52.2
77.5°	49.2	49.2	49.3	49.3	49.2	49.3	49.3	49.2	49.2	49.2	49.3
78°	46.3	46.3	46.3	46.4	46.3	46.4	46.3	46.3	46.3	46.3	46.3
78.5°	43.3	43.3	43.4	43.5	43.4	43.5	43.4	43.3	43.3	43.3	43.4
79°	40.5	40.6	40.6	40.7	40.5	40.7	40.6	40.6	40.5	40.6	40.6
79.5°	37.6	37.7	37.8	37.9	37.7	37.9	37.8	37.7	37.6	37.7	37.8
80°	34.9	34.9	35.0	35.1	34.9	35.1	35.0	34.9	34.9	34.9	35.0
80.5°	32.2	32.3	32.3	32.4	32.3	32.4	32.3	32.3	32.2	32.3	32.3
81°	29.6	29.6	29.7	29.8	29.7	29.8	29.7	29.6	29.6	29.6	29.7
81.5°	26.9	27.0	27.1	27.2	27.1	27.2	27.1	27.0	26.9	27.0	27.1
82°	24.4	24.5	24.6	24.7	24.7	24.7	24.6	24.5	24.4	24.5	24.6
82.5°	21.9	22.0	22.1	22.3	22.2	22.3	22.1	22.0	21.9	22.0	22.1
83°	19.6	19.6	19.7	19.9	19.9	19.9	19.7	19.6	19.6	19.6	19.7
83.5°	17.3	17.3	17.5	17.6	17.7	17.6	17.5	17.3	17.3	17.3	17.5
84°	15.1	15.2	15.4	15.6	15.6	15.6	15.4	15.2	15.1	15.2	15.4
84.5°	13.0	13.2	13.4	13.6	13.6	13.6	13.4	13.2	13.0	13.2	13.4
85°	11.0	11.2	11.4	11.6	11.6	11.6	11.4	11.2	11.0	11.2	11.4
85.5°	9.3	9.4	9.6	9.8	9.7	9.8	9.6	9.4	9.3	9.4	9.6
86°	7.8	7.8	7.8	8.1	8.1	8.1	7.8	7.8	7.8	7.8	7.8
86.5°	6.2	6.2	6.5	6.7	6.6	6.7	6.5	6.2	6.2	6.2	6.5
87°	4.8	4.9	5.3	5.5	5.3	5.5	5.3	4.9	4.8	4.9	5.3
87.5°	3.6	3.8	4.1	4.4	4.2	4.4	4.1	3.8	3.6	3.8	4.1
88°	2.7	2.8	3.0	3.4	3.3	3.4	3.0	2.8	2.7	2.8	3.0
88.5°	1.9	1.9	2.3	2.5	2.5	2.5	2.3	1.9	1.9	1.9	2.3

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

Scaled Data Report



TEST NUMBER: P997138
CATALOG NUMBER: SMX4RLSFS010-1000LM-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: P997138

CATALOG NUMBER: SMX4RLSFS010-1000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	365.7	365.7	365.7	365.7	365.7	365.7
0.5°	365.8	365.5	365.8	365.9	365.4	365.6
1°	365.7	365.7	365.7	365.8	365.4	365.3
1.5°	365.6	365.5	365.6	365.8	365.3	365.4
2°	365.6	365.3	365.6	365.5	365.1	365.1
2.5°	365.4	365.2	365.4	365.4	365.0	365.1
3°	365.2	365.1	365.2	365.2	364.8	364.9
3.5°	364.9	364.7	364.9	365.0	364.6	364.6
4°	364.8	364.6	364.8	364.7	364.3	364.4
4.5°	364.4	364.1	364.4	364.5	364.0	364.0
5°	364.0	363.9	364.0	364.0	363.7	363.8
5.5°	363.7	363.4	363.7	363.8	363.2	363.4
6°	363.3	363.1	363.3	363.3	362.9	362.9
6.5°	362.9	362.6	362.9	363.0	362.5	362.4
7°	362.4	362.3	362.4	362.4	361.9	362.0
7.5°	361.8	361.5	361.8	361.9	361.5	361.6
8°	361.3	361.2	361.3	361.3	361.0	361.0
8.5°	360.7	360.5	360.7	360.8	360.3	360.4
9°	360.1	359.9	360.1	360.1	359.7	359.9
9.5°	359.5	359.3	359.5	359.5	359.1	359.1
10°	358.8	358.6	358.8	358.8	358.4	358.6
10.5°	358.1	357.8	358.1	358.1	357.7	357.9
11°	357.4	357.2	357.4	357.3	357.0	356.9
11.5°	356.5	356.3	356.5	356.6	356.2	356.2
12°	355.8	355.6	355.8	355.8	355.4	355.4
12.5°	354.9	354.6	354.9	354.9	354.5	354.6
13°	354.0	353.9	354.0	354.1	353.7	353.7
13.5°	353.1	352.9	353.1	353.2	352.7	352.9
14°	352.2	352.1	352.2	352.2	351.8	351.8
14.5°	351.2	351.0	351.2	351.3	350.8	350.9
15°	350.2	350.1	350.2	350.2	349.8	349.9
15.5°	349.2	348.8	349.2	349.2	348.8	348.9
16°	348.1	348.0	348.1	348.1	347.7	347.7
16.5°	346.9	346.7	346.9	347.0	346.6	346.7
17°	345.8	345.7	345.8	345.8	345.5	345.5
17.5°	344.6	344.4	344.6	344.8	344.3	344.4
18°	343.4	343.3	343.4	343.5	343.1	343.2
18.5°	342.2	341.9	342.2	342.3	341.9	342.1
19°	340.9	340.8	340.9	341.0	340.6	340.7
19.5°	339.7	339.4	339.7	339.8	339.3	339.5
20°	338.3	338.1	338.3	338.3	338.0	338.1
20.5°	337.0	336.7	337.0	337.1	336.7	336.8
21°	335.6	335.4	335.6	335.7	335.3	335.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997138

CATALOG NUMBER: SMX4RLSFS010-1000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	331.3	330.9	331.3	331.4	330.9	331.1
23°	329.8	329.6	329.8	329.8	329.5	329.5
23.5°	328.3	328.0	328.3	328.4	327.9	328.1
24°	326.7	326.6	326.7	326.7	326.4	326.4
24.5°	325.1	324.8	325.1	325.2	324.7	324.9
25°	323.5	323.3	323.5	323.5	323.2	323.3
25.5°	321.8	321.6	321.8	321.9	321.5	321.7
26°	320.2	320.0	320.2	320.3	319.9	320.0
26.5°	318.5	318.2	318.5	318.6	318.2	318.3
27°	316.8	316.6	316.8	316.8	316.5	316.5
27.5°	315.1	314.7	315.1	315.1	314.6	314.9
28°	313.2	313.1	313.2	313.3	313.0	313.1
28.5°	311.5	311.2	311.5	311.5	311.1	311.3
29°	309.6	309.5	309.6	309.7	309.4	309.4
29.5°	307.9	307.5	307.9	307.9	307.5	307.6
30°	305.9	305.7	305.9	305.9	305.7	305.7
30.5°	304.0	303.8	304.0	304.1	303.7	303.8
31°	302.1	301.9	302.1	302.2	301.8	301.9
31.5°	300.1	299.8	300.1	300.2	299.8	300.0
32°	298.2	298.0	298.2	298.2	297.9	297.9
32.5°	296.2	295.9	296.2	296.3	295.8	296.0
33°	294.1	294.0	294.1	294.2	293.9	294.0
33.5°	292.1	291.8	292.1	292.2	291.8	291.9
34°	290.1	289.9	290.1	290.1	289.8	289.9
34.5°	287.9	287.6	287.9	288.1	287.7	287.9
35°	285.8	285.7	285.8	285.9	285.6	285.6
35.5°	283.7	283.5	283.7	283.9	283.5	283.6
36°	281.6	281.4	281.6	281.6	281.3	281.4
36.5°	279.4	279.2	279.4	279.6	279.1	279.2
37°	277.2	277.0	277.2	277.3	277.0	277.0
37.5°	275.0	274.8	275.0	275.1	274.7	274.9
38°	272.7	272.6	272.7	272.8	272.5	272.5
38.5°	270.4	270.2	270.4	270.6	270.2	270.4
39°	268.2	268.1	268.2	268.3	268.0	268.1
39.5°	265.9	265.7	265.9	266.0	265.7	265.7
40°	263.6	263.5	263.6	263.6	263.3	263.5
40.5°	261.3	260.9	261.3	261.4	260.9	261.2
41°	258.9	258.7	258.9	258.9	258.6	258.7
41.5°	256.5	256.3	256.5	256.6	256.3	256.4
42°	254.1	253.9	254.1	254.2	253.9	254.0
42.5°	251.7	251.4	251.7	251.8	251.4	251.6
43°	249.3	249.1	249.3	249.3	249.0	249.2
43.5°	246.8	246.5	246.8	246.9	246.5	246.7

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997138

CATALOG NUMBER: SMX4RLSFS010-1000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	239.3	239.1	239.3	239.4	239.1	239.2
45.5°	236.8	236.5	236.8	236.9	236.6	236.7
46°	234.2	234.1	234.2	234.3	234.1	234.1
46.5°	231.7	231.4	231.7	231.8	231.5	231.5
47°	229.1	229.0	229.1	229.2	228.9	228.9
47.5°	226.5	226.2	226.5	226.6	226.3	226.4
48°	223.9	223.7	223.9	224.0	223.7	223.8
48.5°	221.3	221.0	221.3	221.3	221.1	221.2
49°	218.6	218.5	218.6	218.7	218.4	218.5
49.5°	216.0	215.7	216.0	216.1	215.8	215.8
50°	213.2	213.2	213.2	213.4	213.1	213.2
50.5°	210.6	210.3	210.6	210.6	210.4	210.5
51°	207.8	207.8	207.8	207.9	207.7	207.8
51.5°	205.1	204.9	205.1	205.2	205.0	205.1
52°	202.4	202.3	202.4	202.5	202.3	202.3
52.5°	199.6	199.5	199.6	199.8	199.5	199.6
53°	196.8	196.8	196.8	196.9	196.8	196.8
53.5°	194.1	193.8	194.1	194.1	194.0	194.0
54°	191.2	191.2	191.2	191.3	191.1	191.2
54.5°	188.4	188.3	188.4	188.6	188.3	188.4
55°	185.6	185.5	185.6	185.7	185.5	185.6
55.5°	182.8	182.6	182.8	182.9	182.7	182.8
56°	179.9	179.8	179.9	179.9	179.8	179.9
56.5°	177.0	176.9	177.0	177.2	177.0	177.0
57°	174.1	174.0	174.1	174.2	174.0	174.0
57.5°	171.2	171.1	171.2	171.3	171.1	171.2
58°	168.3	168.2	168.3	168.4	168.2	168.3
58.5°	165.4	165.2	165.4	165.5	165.3	165.4
59°	162.5	162.4	162.5	162.5	162.3	162.4
59.5°	159.5	159.3	159.5	159.6	159.4	159.5
60°	156.5	156.4	156.5	156.6	156.4	156.5
60.5°	153.6	153.4	153.6	153.7	153.5	153.5
61°	150.6	150.4	150.6	150.6	150.5	150.5
61.5°	147.6	147.4	147.6	147.7	147.5	147.6
62°	144.5	144.5	144.5	144.6	144.5	144.5
62.5°	141.5	141.4	141.5	141.6	141.4	141.5
63°	138.5	138.4	138.5	138.5	138.4	138.4
63.5°	135.4	135.3	135.4	135.5	135.4	135.4
64°	132.4	132.3	132.4	132.4	132.3	132.3
64.5°	129.3	129.2	129.3	129.4	129.3	129.3
65°	126.3	126.2	126.3	126.3	126.2	126.2
65.5°	123.2	123.0	123.2	123.3	123.1	123.2
66°	120.1	120.0	120.1	120.1	120.0	120.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997138

CATALOG NUMBER: SMX4RLSFS010-1000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	110.8	110.6	110.8	110.9	110.8	110.8
68°	107.7	107.6	107.7	107.7	107.6	107.6
68.5°	104.6	104.4	104.6	104.6	104.5	104.6
69°	101.5	101.4	101.5	101.5	101.4	101.4
69.5°	98.4	98.3	98.4	98.4	98.3	98.3
70°	95.2	95.2	95.2	95.3	95.2	95.2
70.5°	92.1	92.1	92.1	92.2	92.0	92.1
71°	89.0	89.0	89.0	89.0	88.9	89.0
71.5°	85.9	85.8	85.9	85.9	85.8	85.8
72°	82.8	82.8	82.8	82.8	82.7	82.8
72.5°	79.6	79.6	79.6	79.7	79.6	79.6
73°	76.6	76.5	76.6	76.6	76.5	76.5
73.5°	73.5	73.4	73.5	73.5	73.4	73.4
74°	70.4	70.3	70.4	70.4	70.3	70.4
74.5°	67.4	67.2	67.4	67.3	67.3	67.2
75°	64.3	64.2	64.3	64.3	64.2	64.2
75.5°	61.2	61.1	61.2	61.2	61.1	61.1
76°	58.2	58.1	58.2	58.1	58.1	58.1
76.5°	55.2	55.1	55.2	55.2	55.1	55.1
77°	52.2	52.1	52.2	52.2	52.2	52.1
77.5°	49.3	49.2	49.3	49.3	49.2	49.2
78°	46.4	46.3	46.4	46.3	46.3	46.3
78.5°	43.5	43.4	43.5	43.4	43.3	43.3
79°	40.7	40.5	40.7	40.6	40.6	40.5
79.5°	37.9	37.7	37.9	37.8	37.7	37.6
80°	35.1	34.9	35.1	35.0	34.9	34.9
80.5°	32.4	32.3	32.4	32.3	32.3	32.2
81°	29.8	29.7	29.8	29.7	29.6	29.6
81.5°	27.2	27.1	27.2	27.1	27.0	26.9
82°	24.7	24.7	24.7	24.6	24.5	24.4
82.5°	22.3	22.2	22.3	22.1	22.0	21.9
83°	19.9	19.9	19.9	19.7	19.6	19.6
83.5°	17.6	17.7	17.6	17.5	17.3	17.3
84°	15.6	15.6	15.6	15.4	15.2	15.1
84.5°	13.6	13.6	13.6	13.4	13.2	13.0
85°	11.6	11.6	11.6	11.4	11.2	11.0
85.5°	9.8	9.7	9.8	9.6	9.4	9.3
86°	8.1	8.1	8.1	7.8	7.8	7.8
86.5°	6.7	6.6	6.7	6.5	6.2	6.2
87°	5.5	5.3	5.5	5.3	4.9	4.8
87.5°	4.4	4.2	4.4	4.1	3.8	3.6
88°	3.4	3.3	3.4	3.0	2.8	2.7
88.5°	2.5	2.5	2.5	2.3	1.9	1.9

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Scaled Data Report



TEST NUMBER: P997138
CATALOG NUMBER: SMX4RLSFS010-1000LM-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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	334.0	333.9	334.3	334.2	334.0	334.2	334.3	333.9	334.0	333.9	334.3
22°	332.4	332.4	332.8	332.7	332.5	332.7	332.8	332.4	332.4	332.4	332.8



44°	244.2	244.1	244.4	244.3	244.2	244.3	244.4	244.1	244.2	244.1	244.4
44.5°	241.8	241.6	241.9	241.8	241.6	241.8	241.9	241.6	241.8	241.6	241.9



66.5°	116.9	116.9	117.1	117.0	116.8	117.0	117.1	116.9	116.9	116.9	117.1
67°	113.8	113.8	113.9	113.9	113.8	113.9	113.9	113.8	113.8	113.8	113.9



89°	1.2	1.4	1.7	1.9	2.0	1.9	1.7	1.4	1.2	1.4	1.7
89.5°	0.8	0.9	1.2	1.5	1.5	1.5	1.2	0.9	0.8	0.9	1.2

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21.5°	334.2	334.0	334.2	334.3	333.9	334.0
22°	332.7	332.5	332.7	332.8	332.4	332.4

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44°	244.3	244.2	244.3	244.4	244.1	244.2
44.5°	241.8	241.6	241.8	241.9	241.6	241.8

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66.5°	117.0	116.8	117.0	117.1	116.9	116.9
67°	113.9	113.8	113.9	113.9	113.8	113.8

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89°	1.9	2.0	1.9	1.7	1.4	1.2
89.5°	1.5	1.5	1.5	1.2	0.9	0.8

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(END OF REPORT)