

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: P997139

Luminaire Tested: **SMX4RLSFS010-1000LM-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: P997139
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-4000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

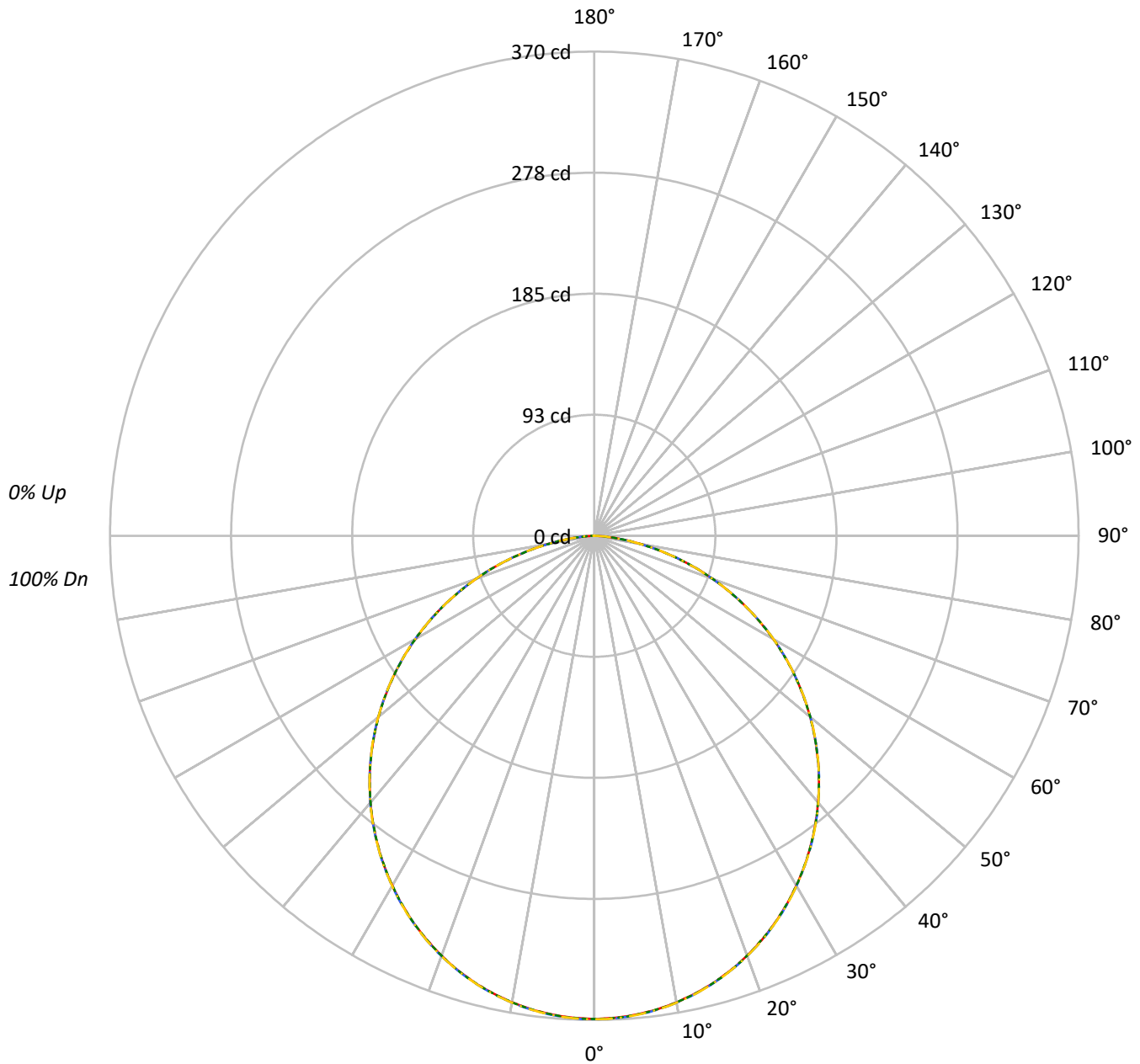
Lumens per Lamp: N/A
Luminaire Lumens: 1028.8 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	46476	46476	46476	46476
5°	46401	46414	46401	46414
10°	46273	46273	46273	46273
15°	46031	46057	46031	46057
20°	45723	45723	45723	45723
25°	45324	45338	45324	45338
30°	44860	44860	44860	44860
35°	44308	44323	44308	44323
40°	43716	43700	43716	43700
45°	42982	42982	42982	42982
50°	42153	42153	42153	42153
55°	41118	41096	41118	41096
60°	39769	39769	39769	39769
65°	37968	37938	37968	37938
70°	35361	35361	35361	35361
75°	31557	31509	31557	31509
80°	25511	25583	25511	25583
85°	16172	16894	16172	16894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	3.4
10°-20°	99.7	9.7
20°-30°	150.5	14.6
30°-40°	180.5	17.5
40°-50°	186.3	18.1
50°-60°	167.4	16.3
60°-70°	126.0	12.2
70°-80°	68.7	6.7
80°-90°	14.9	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°	285.1	27.7
0°-40°	465.6	45.3
0°-60°	819.3	79.6
0°-90°	1028.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	369	369	369	369	369	
5°	367	367	367	367	367	35
15°	353	354	353	354	353	100
25°	326	326	326	326	326	150
35°	288	288	288	288	288	180
45°	242	242	242	242	242	186
55°	187	187	187	187	187	167
65°	128	127	128	127	128	126
75°	65	65	65	65	65	69
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°	369.3	369.3	369.3	369.3	369.3	369.3	369.3	369.3	369.3	369.3	369.3
0.5°	369.1	369.0	369.5	369.4	369.1	369.4	369.5	369.0	369.1	369.0	369.5
1°	368.9	369.0	369.4	369.3	369.2	369.3	369.4	369.0	368.9	369.0	369.4
1.5°	368.9	368.9	369.4	369.2	369.1	369.2	369.4	368.9	368.9	368.9	369.4
2°	368.7	368.7	369.1	369.2	368.9	369.2	369.1	368.7	368.7	368.7	369.1
2.5°	368.7	368.6	369.0	368.9	368.7	368.9	369.0	368.6	368.7	368.6	369.0
3°	368.4	368.4	368.8	368.7	368.7	368.7	368.8	368.4	368.4	368.4	368.8
3.5°	368.2	368.2	368.6	368.5	368.3	368.5	368.6	368.2	368.2	368.2	368.6
4°	368.0	367.8	368.3	368.3	368.1	368.3	368.3	367.8	368.0	367.8	368.3
4.5°	367.6	367.6	368.1	367.9	367.7	367.9	368.1	367.6	367.6	367.6	368.1
5°	367.3	367.3	367.6	367.6	367.4	367.6	367.6	367.3	367.3	367.3	367.6
5.5°	367.0	366.8	367.3	367.2	367.0	367.2	367.3	366.8	367.0	366.8	367.3
6°	366.5	366.5	366.8	366.8	366.6	366.8	366.8	366.5	366.5	366.5	366.8
6.5°	366.0	366.0	366.5	366.4	366.1	366.4	366.5	366.0	366.0	366.0	366.5
7°	365.6	365.5	365.9	366.0	365.8	366.0	365.9	365.5	365.6	365.5	365.9
7.5°	365.2	365.0	365.5	365.4	365.1	365.4	365.5	365.0	365.2	365.0	365.5
8°	364.5	364.5	364.8	364.9	364.7	364.9	364.8	364.5	364.5	364.5	364.8
8.5°	363.9	363.9	364.3	364.3	364.0	364.3	364.3	363.9	363.9	363.9	364.3
9°	363.4	363.2	363.7	363.6	363.4	363.6	363.7	363.2	363.4	363.2	363.7
9.5°	362.6	362.7	363.1	363.0	362.8	363.0	363.1	362.7	362.6	362.7	363.1
10°	362.1	361.9	362.3	362.3	362.1	362.3	362.3	361.9	362.1	361.9	362.3
10.5°	361.4	361.2	361.6	361.6	361.3	361.6	361.6	361.2	361.4	361.2	361.6
11°	360.4	360.5	360.8	360.9	360.7	360.9	360.8	360.5	360.4	360.5	360.8
11.5°	359.7	359.7	360.1	360.0	359.8	360.0	360.1	359.7	359.7	359.7	360.1
12°	358.9	358.9	359.2	359.3	359.1	359.3	359.2	358.9	358.9	358.9	359.2
12.5°	358.0	358.0	358.4	358.4	358.1	358.4	358.4	358.0	358.0	358.0	358.4
13°	357.2	357.1	357.6	357.5	357.3	357.5	357.6	357.1	357.2	357.1	357.6
13.5°	356.3	356.2	356.6	356.5	356.3	356.5	356.6	356.2	356.3	356.2	356.6
14°	355.2	355.2	355.6	355.6	355.5	355.6	355.6	355.2	355.2	355.2	355.6
14.5°	354.4	354.3	354.7	354.7	354.4	354.7	354.7	354.3	354.4	354.3	354.7
15°	353.3	353.2	353.6	353.6	353.5	353.6	353.6	353.2	353.3	353.2	353.6
15.5°	352.3	352.2	352.6	352.6	352.2	352.6	352.6	352.2	352.3	352.2	352.6
16°	351.1	351.1	351.5	351.5	351.4	351.5	351.5	351.1	351.1	351.1	351.5
16.5°	350.1	350.0	350.4	350.3	350.1	350.3	350.4	350.0	350.1	350.0	350.4
17°	348.9	348.9	349.2	349.2	349.1	349.2	349.2	348.9	348.9	348.9	349.2
17.5°	347.8	347.6	348.1	348.0	347.8	348.0	348.1	347.6	347.8	347.6	348.1
18°	346.5	346.4	346.9	346.8	346.7	346.8	346.9	346.4	346.5	346.4	346.9
18.5°	345.4	345.2	345.7	345.6	345.2	345.6	345.7	345.2	345.4	345.2	345.7
19°	344.0	344.0	344.3	344.3	344.2	344.3	344.3	344.0	344.0	344.0	344.3
19.5°	342.8	342.7	343.1	343.0	342.7	343.0	343.1	342.7	342.8	342.7	343.1
20°	341.4	341.3	341.6	341.6	341.4	341.6	341.6	341.3	341.4	341.3	341.6
20.5°	340.1	340.0	340.4	340.3	340.0	340.3	340.4	340.0	340.1	340.0	340.4
21°	338.6	338.5	338.9	338.9	338.7	338.9	338.9	338.5	338.6	338.5	338.9

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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°	334.4	334.2	334.7	334.6	334.1	334.6	334.7	334.2	334.4	334.2	334.7
23°	332.7	332.7	333.1	333.0	332.9	333.0	333.1	332.7	332.7	332.7	333.1
23.5°	331.3	331.1	331.6	331.5	331.2	331.5	331.6	331.1	331.3	331.1	331.6
24°	329.6	329.6	329.9	329.9	329.8	329.9	329.9	329.6	329.6	329.6	329.9
24.5°	328.1	327.9	328.4	328.3	328.0	328.3	328.4	327.9	328.1	327.9	328.4
25°	326.4	326.3	326.7	326.6	326.5	326.6	326.7	326.3	326.4	326.3	326.7
25.5°	324.9	324.7	325.1	325.0	324.8	325.0	325.1	324.7	324.9	324.7	325.1
26°	323.1	323.0	323.4	323.3	323.1	323.3	323.4	323.0	323.1	323.0	323.4
26.5°	321.4	321.3	321.8	321.6	321.3	321.6	321.8	321.3	321.4	321.3	321.8
27°	319.6	319.6	319.9	319.9	319.7	319.9	319.9	319.6	319.6	319.6	319.9
27.5°	318.0	317.7	318.2	318.1	317.8	318.1	318.2	317.7	318.0	317.7	318.2
28°	316.1	316.0	316.4	316.3	316.2	316.3	316.4	316.0	316.1	316.0	316.4
28.5°	314.3	314.2	314.6	314.5	314.2	314.5	314.6	314.2	314.3	314.2	314.6
29°	312.4	312.4	312.7	312.6	312.5	312.6	312.7	312.4	312.4	312.4	312.7
29.5°	310.6	310.5	311.0	310.9	310.5	310.9	311.0	310.5	310.6	310.5	311.0
30°	308.7	308.7	308.9	308.9	308.7	308.9	308.9	308.7	308.7	308.7	308.9
30.5°	306.8	306.6	307.1	307.0	306.8	307.0	307.1	306.6	306.8	306.6	307.1
31°	304.8	304.8	305.1	305.1	304.8	305.1	305.1	304.8	304.8	304.8	305.1
31.5°	303.0	302.8	303.2	303.1	302.8	303.1	303.2	302.8	303.0	302.8	303.2
32°	300.8	300.8	301.1	301.1	300.9	301.1	301.1	300.8	300.8	300.8	301.1
32.5°	299.0	298.7	299.2	299.1	298.8	299.1	299.2	298.7	299.0	298.7	299.2
33°	296.9	296.8	297.1	297.0	296.9	297.0	297.1	296.8	296.9	296.8	297.1
33.5°	294.8	294.6	295.1	295.0	294.7	295.0	295.1	294.6	294.8	294.6	295.1
34°	292.7	292.7	293.0	292.9	292.7	292.9	293.0	292.7	292.7	292.7	293.0
34.5°	290.7	290.5	290.9	290.8	290.5	290.8	290.9	290.5	290.7	290.5	290.9
35°	288.4	288.4	288.7	288.6	288.5	288.6	288.7	288.4	288.4	288.4	288.7
35.5°	286.4	286.3	286.6	286.5	286.3	286.5	286.6	286.3	286.4	286.3	286.6
36°	284.2	284.1	284.4	284.4	284.2	284.4	284.4	284.1	284.2	284.1	284.4
36.5°	282.0	281.9	282.3	282.1	281.9	282.1	282.3	281.9	282.0	281.9	282.3
37°	279.7	279.7	280.0	279.9	279.7	279.9	280.0	279.7	279.7	279.7	280.0
37.5°	277.6	277.4	277.8	277.7	277.5	277.7	277.8	277.4	277.6	277.4	277.8
38°	275.2	275.1	275.5	275.4	275.3	275.4	275.5	275.1	275.2	275.1	275.5
38.5°	273.0	272.8	273.3	273.1	272.9	273.1	273.3	272.8	273.0	272.8	273.3
39°	270.7	270.6	270.9	270.9	270.7	270.9	270.9	270.6	270.7	270.6	270.9
39.5°	268.3	268.3	268.6	268.6	268.3	268.6	268.6	268.3	268.3	268.3	268.6
40°	266.1	265.9	266.2	266.1	266.0	266.1	266.2	265.9	266.1	265.9	266.2
40.5°	263.7	263.5	263.9	263.8	263.5	263.8	263.9	263.5	263.7	263.5	263.9
41°	261.2	261.2	261.4	261.4	261.2	261.4	261.4	261.2	261.2	261.2	261.4
41.5°	258.9	258.8	259.1	259.0	258.8	259.0	259.1	258.8	258.9	258.8	259.1
42°	256.5	256.4	256.7	256.6	256.4	256.6	256.7	256.4	256.5	256.4	256.7
42.5°	254.0	253.9	254.3	254.2	253.9	254.2	254.3	253.9	254.0	253.9	254.3
43°	251.6	251.5	251.8	251.7	251.6	251.7	251.8	251.5	251.6	251.5	251.8
43.5°	249.1	249.0	249.3	249.2	248.9	249.2	249.3	249.0	249.1	249.0	249.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	241.5	241.5	241.7	241.6	241.5	241.6	241.7	241.5	241.5	241.5	241.7
45.5°	239.0	238.9	239.2	239.2	238.8	239.2	239.2	238.9	239.0	238.9	239.2
46°	236.4	236.4	236.6	236.5	236.4	236.5	236.6	236.4	236.4	236.4	236.6
46.5°	233.8	233.8	234.1	233.9	233.7	233.9	234.1	233.8	233.8	233.8	234.1
47°	231.2	231.2	231.4	231.3	231.2	231.3	231.4	231.2	231.2	231.2	231.4
47.5°	228.6	228.5	228.8	228.7	228.4	228.7	228.8	228.5	228.6	228.5	228.8
48°	226.0	225.9	226.2	226.1	225.9	226.1	226.2	225.9	226.0	225.9	226.2
48.5°	223.4	223.3	223.5	223.4	223.2	223.4	223.5	223.3	223.4	223.3	223.5
49°	220.7	220.6	220.8	220.7	220.6	220.7	220.8	220.6	220.7	220.6	220.8
49.5°	217.9	217.9	218.2	218.1	217.8	218.1	218.2	217.9	217.9	217.9	218.2
50°	215.3	215.2	215.4	215.3	215.3	215.3	215.4	215.2	215.3	215.2	215.4
50.5°	212.5	212.5	212.7	212.6	212.4	212.6	212.7	212.5	212.5	212.5	212.7
51°	209.8	209.7	209.9	209.8	209.8	209.8	209.9	209.7	209.8	209.7	209.9
51.5°	207.1	207.0	207.2	207.1	206.9	207.1	207.2	207.0	207.1	207.0	207.2
52°	204.3	204.3	204.5	204.4	204.3	204.4	204.5	204.3	204.3	204.3	204.5
52.5°	201.5	201.5	201.7	201.6	201.4	201.6	201.7	201.5	201.5	201.5	201.7
53°	198.7	198.7	198.8	198.8	198.7	198.8	198.8	198.7	198.7	198.7	198.8
53.5°	195.9	195.9	196.0	196.0	195.7	196.0	196.0	195.9	195.9	195.9	196.0
54°	193.1	193.0	193.2	193.1	193.1	193.1	193.2	193.0	193.1	193.0	193.2
54.5°	190.3	190.2	190.4	190.3	190.1	190.3	190.4	190.2	190.3	190.2	190.4
55°	187.4	187.3	187.5	187.5	187.3	187.5	187.5	187.3	187.4	187.3	187.5
55.5°	184.5	184.4	184.7	184.6	184.4	184.6	184.7	184.4	184.5	184.4	184.7
56°	181.6	181.6	181.7	181.6	181.6	181.6	181.7	181.6	181.6	181.6	181.7
56.5°	178.7	178.7	178.9	178.8	178.6	178.8	178.9	178.7	178.7	178.7	178.9
57°	175.8	175.7	175.9	175.8	175.7	175.8	175.9	175.7	175.8	175.7	175.9
57.5°	172.9	172.8	173.0	172.9	172.8	172.9	173.0	172.8	172.9	172.8	173.0
58°	169.9	169.9	170.1	170.0	169.9	170.0	170.1	169.9	169.9	169.9	170.1
58.5°	167.0	166.9	167.2	167.1	166.8	167.1	167.2	166.9	167.0	166.9	167.2
59°	164.0	163.9	164.1	164.1	164.0	164.1	164.1	163.9	164.0	163.9	164.1
59.5°	161.1	161.0	161.2	161.1	160.9	161.1	161.2	161.0	161.1	161.0	161.2
60°	158.0	158.0	158.1	158.1	158.0	158.1	158.1	158.0	158.0	158.0	158.1
60.5°	155.0	155.0	155.2	155.1	154.9	155.1	155.2	155.0	155.0	155.0	155.2
61°	152.0	151.9	152.1	152.0	151.9	152.0	152.1	151.9	152.0	151.9	152.1
61.5°	149.1	148.9	149.1	149.0	148.8	149.0	149.1	148.9	149.1	148.9	149.1
62°	145.9	145.9	146.0	146.0	145.9	146.0	146.0	145.9	145.9	145.9	146.0
62.5°	142.9	142.8	143.0	142.9	142.8	142.9	143.0	142.8	142.9	142.8	143.0
63°	139.8	139.8	139.9	139.8	139.7	139.8	139.9	139.8	139.8	139.8	139.9
63.5°	136.8	136.7	136.9	136.8	136.6	136.8	136.9	136.7	136.8	136.7	136.9
64°	133.6	133.6	133.7	133.7	133.6	133.7	133.7	133.6	133.6	133.6	133.7
64.5°	130.6	130.5	130.7	130.6	130.5	130.6	130.7	130.5	130.6	130.5	130.7
65°	127.5	127.5	127.6	127.5	127.4	127.5	127.6	127.5	127.5	127.5	127.6
65.5°	124.4	124.3	124.5	124.4	124.2	124.4	124.5	124.3	124.4	124.3	124.5
66°	121.2	121.2	121.3	121.3	121.1	121.3	121.3	121.2	121.2	121.2	121.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997139

CATALOG NUMBER: SMX4RLSFS010-1000LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	111.9	111.8	112.0	111.9	111.7	111.9	112.0	111.8	111.9	111.8	112.0
68°	108.7	108.7	108.8	108.8	108.7	108.8	108.8	108.7	108.7	108.7	108.8
68.5°	105.6	105.5	105.6	105.6	105.4	105.6	105.6	105.5	105.6	105.5	105.6
69°	102.4	102.4	102.5	102.5	102.4	102.5	102.5	102.4	102.4	102.4	102.5
69.5°	99.3	99.2	99.3	99.3	99.2	99.3	99.3	99.2	99.3	99.2	99.3
70°	96.1	96.1	96.2	96.2	96.1	96.2	96.2	96.1	96.1	96.1	96.2
70.5°	93.0	92.9	93.1	93.0	93.0	93.0	93.1	92.9	93.0	92.9	93.1
71°	89.8	89.8	89.9	89.9	89.8	89.9	89.9	89.8	89.8	89.8	89.9
71.5°	86.7	86.7	86.8	86.7	86.7	86.7	86.8	86.7	86.7	86.7	86.8
72°	83.6	83.5	83.6	83.6	83.6	83.6	83.6	83.5	83.6	83.5	83.6
72.5°	80.4	80.4	80.5	80.4	80.4	80.4	80.5	80.4	80.4	80.4	80.5
73°	77.3	77.3	77.3	77.3	77.2	77.3	77.3	77.3	77.3	77.3	77.3
73.5°	74.1	74.1	74.2	74.2	74.1	74.2	74.2	74.1	74.1	74.1	74.2
74°	71.0	71.0	71.1	71.1	71.0	71.1	71.1	71.0	71.0	71.0	71.1
74.5°	67.9	67.9	68.0	68.0	67.9	68.0	68.0	67.9	67.9	67.9	68.0
75°	64.9	64.8	64.9	64.9	64.8	64.9	64.9	64.8	64.9	64.8	64.9
75.5°	61.7	61.7	61.8	61.8	61.7	61.8	61.8	61.7	61.7	61.7	61.8
76°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
76.5°	55.6	55.6	55.7	55.7	55.6	55.7	55.7	55.6	55.6	55.6	55.7
77°	52.6	52.7	52.7	52.7	52.6	52.7	52.7	52.7	52.6	52.7	52.7
77.5°	49.7	49.7	49.8	49.8	49.6	49.8	49.8	49.7	49.7	49.7	49.8
78°	46.7	46.7	46.7	46.8	46.8	46.8	46.7	46.7	46.7	46.7	46.7
78.5°	43.8	43.8	43.8	43.9	43.8	43.9	43.8	43.8	43.8	43.8	43.8
79°	40.9	41.0	41.0	41.1	40.9	41.1	41.0	41.0	40.9	41.0	41.0
79.5°	37.9	38.1	38.2	38.2	38.1	38.2	38.2	38.1	37.9	38.1	38.2
80°	35.2	35.3	35.4	35.5	35.3	35.5	35.4	35.3	35.2	35.3	35.4
80.5°	32.5	32.6	32.7	32.7	32.6	32.7	32.7	32.6	32.5	32.6	32.7
81°	29.8	29.9	30.0	30.1	30.0	30.1	30.0	29.9	29.8	29.9	30.0
81.5°	27.2	27.3	27.4	27.5	27.4	27.5	27.4	27.3	27.2	27.3	27.4
82°	24.7	24.7	24.8	24.9	24.9	24.9	24.8	24.7	24.7	24.7	24.8
82.5°	22.1	22.2	22.4	22.5	22.5	22.5	22.4	22.2	22.1	22.2	22.4
83°	19.7	19.8	19.9	20.1	20.1	20.1	19.9	19.8	19.7	19.8	19.9
83.5°	17.4	17.5	17.6	17.8	17.9	17.8	17.6	17.5	17.4	17.5	17.6
84°	15.2	15.3	15.5	15.7	15.8	15.7	15.5	15.3	15.2	15.3	15.5
84.5°	13.1	13.3	13.5	13.7	13.7	13.7	13.5	13.3	13.1	13.3	13.5
85°	11.2	11.3	11.5	11.7	11.7	11.7	11.5	11.3	11.2	11.3	11.5
85.5°	9.4	9.5	9.7	9.9	9.8	9.9	9.7	9.5	9.4	9.5	9.7
86°	7.8	7.8	7.9	8.2	8.1	8.2	7.9	7.8	7.8	7.8	7.9
86.5°	6.3	6.3	6.6	6.8	6.7	6.8	6.6	6.3	6.3	6.3	6.6
87°	4.8	5.0	5.3	5.5	5.4	5.5	5.3	5.0	4.8	5.0	5.3
87.5°	3.6	3.8	4.1	4.4	4.3	4.4	4.1	3.8	3.6	3.8	4.1
88°	2.7	2.8	3.1	3.5	3.3	3.5	3.1	2.8	2.7	2.8	3.1
88.5°	1.9	2.0	2.3	2.6	2.5	2.6	2.3	2.0	1.9	2.0	2.3

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

Scaled Data Report



TEST NUMBER: P997139
CATALOG NUMBER: SMX4RLSFS010-1000LM-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: P997139

CATALOG NUMBER: SMX4RLSFS010-1000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	369.3	369.3	369.3	369.3	369.3	369.3
0.5°	369.4	369.1	369.4	369.5	369.0	369.1
1°	369.3	369.2	369.3	369.4	369.0	368.9
1.5°	369.2	369.1	369.2	369.4	368.9	368.9
2°	369.2	368.9	369.2	369.1	368.7	368.7
2.5°	368.9	368.7	368.9	369.0	368.6	368.7
3°	368.7	368.7	368.7	368.8	368.4	368.4
3.5°	368.5	368.3	368.5	368.6	368.2	368.2
4°	368.3	368.1	368.3	368.3	367.8	368.0
4.5°	367.9	367.7	367.9	368.1	367.6	367.6
5°	367.6	367.4	367.6	367.6	367.3	367.3
5.5°	367.2	367.0	367.2	367.3	366.8	367.0
6°	366.8	366.6	366.8	366.8	366.5	366.5
6.5°	366.4	366.1	366.4	366.5	366.0	366.0
7°	366.0	365.8	366.0	365.9	365.5	365.6
7.5°	365.4	365.1	365.4	365.5	365.0	365.2
8°	364.9	364.7	364.9	364.8	364.5	364.5
8.5°	364.3	364.0	364.3	364.3	363.9	363.9
9°	363.6	363.4	363.6	363.7	363.2	363.4
9.5°	363.0	362.8	363.0	363.1	362.7	362.6
10°	362.3	362.1	362.3	362.3	361.9	362.1
10.5°	361.6	361.3	361.6	361.6	361.2	361.4
11°	360.9	360.7	360.9	360.8	360.5	360.4
11.5°	360.0	359.8	360.0	360.1	359.7	359.7
12°	359.3	359.1	359.3	359.2	358.9	358.9
12.5°	358.4	358.1	358.4	358.4	358.0	358.0
13°	357.5	357.3	357.5	357.6	357.1	357.2
13.5°	356.5	356.3	356.5	356.6	356.2	356.3
14°	355.6	355.5	355.6	355.6	355.2	355.2
14.5°	354.7	354.4	354.7	354.7	354.3	354.4
15°	353.6	353.5	353.6	353.6	353.2	353.3
15.5°	352.6	352.2	352.6	352.6	352.2	352.3
16°	351.5	351.4	351.5	351.5	351.1	351.1
16.5°	350.3	350.1	350.3	350.4	350.0	350.1
17°	349.2	349.1	349.2	349.2	348.9	348.9
17.5°	348.0	347.8	348.0	348.1	347.6	347.8
18°	346.8	346.7	346.8	346.9	346.4	346.5
18.5°	345.6	345.2	345.6	345.7	345.2	345.4
19°	344.3	344.2	344.3	344.3	344.0	344.0
19.5°	343.0	342.7	343.0	343.1	342.7	342.8
20°	341.6	341.4	341.6	341.6	341.3	341.4
20.5°	340.3	340.0	340.3	340.4	340.0	340.1
21°	338.9	338.7	338.9	338.9	338.5	338.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997139

CATALOG NUMBER: SMX4RLSFS010-1000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	334.6	334.1	334.6	334.7	334.2	334.4
23°	333.0	332.9	333.0	333.1	332.7	332.7
23.5°	331.5	331.2	331.5	331.6	331.1	331.3
24°	329.9	329.8	329.9	329.9	329.6	329.6
24.5°	328.3	328.0	328.3	328.4	327.9	328.1
25°	326.6	326.5	326.6	326.7	326.3	326.4
25.5°	325.0	324.8	325.0	325.1	324.7	324.9
26°	323.3	323.1	323.3	323.4	323.0	323.1
26.5°	321.6	321.3	321.6	321.8	321.3	321.4
27°	319.9	319.7	319.9	319.9	319.6	319.6
27.5°	318.1	317.8	318.1	318.2	317.7	318.0
28°	316.3	316.2	316.3	316.4	316.0	316.1
28.5°	314.5	314.2	314.5	314.6	314.2	314.3
29°	312.6	312.5	312.6	312.7	312.4	312.4
29.5°	310.9	310.5	310.9	311.0	310.5	310.6
30°	308.9	308.7	308.9	308.9	308.7	308.7
30.5°	307.0	306.8	307.0	307.1	306.6	306.8
31°	305.1	304.8	305.1	305.1	304.8	304.8
31.5°	303.1	302.8	303.1	303.2	302.8	303.0
32°	301.1	300.9	301.1	301.1	300.8	300.8
32.5°	299.1	298.8	299.1	299.2	298.7	299.0
33°	297.0	296.9	297.0	297.1	296.8	296.9
33.5°	295.0	294.7	295.0	295.1	294.6	294.8
34°	292.9	292.7	292.9	293.0	292.7	292.7
34.5°	290.8	290.5	290.8	290.9	290.5	290.7
35°	288.6	288.5	288.6	288.7	288.4	288.4
35.5°	286.5	286.3	286.5	286.6	286.3	286.4
36°	284.4	284.2	284.4	284.4	284.1	284.2
36.5°	282.1	281.9	282.1	282.3	281.9	282.0
37°	279.9	279.7	279.9	280.0	279.7	279.7
37.5°	277.7	277.5	277.7	277.8	277.4	277.6
38°	275.4	275.3	275.4	275.5	275.1	275.2
38.5°	273.1	272.9	273.1	273.3	272.8	273.0
39°	270.9	270.7	270.9	270.9	270.6	270.7
39.5°	268.6	268.3	268.6	268.6	268.3	268.3
40°	266.1	266.0	266.1	266.2	265.9	266.1
40.5°	263.8	263.5	263.8	263.9	263.5	263.7
41°	261.4	261.2	261.4	261.4	261.2	261.2
41.5°	259.0	258.8	259.0	259.1	258.8	258.9
42°	256.6	256.4	256.6	256.7	256.4	256.5
42.5°	254.2	253.9	254.2	254.3	253.9	254.0
43°	251.7	251.6	251.7	251.8	251.5	251.6
43.5°	249.2	248.9	249.2	249.3	249.0	249.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997139

CATALOG NUMBER: SMX4RLSFS010-1000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	241.6	241.5	241.6	241.7	241.5	241.5
45.5°	239.2	238.8	239.2	239.2	238.9	239.0
46°	236.5	236.4	236.5	236.6	236.4	236.4
46.5°	233.9	233.7	233.9	234.1	233.8	233.8
47°	231.3	231.2	231.3	231.4	231.2	231.2
47.5°	228.7	228.4	228.7	228.8	228.5	228.6
48°	226.1	225.9	226.1	226.2	225.9	226.0
48.5°	223.4	223.2	223.4	223.5	223.3	223.4
49°	220.7	220.6	220.7	220.8	220.6	220.7
49.5°	218.1	217.8	218.1	218.2	217.9	217.9
50°	215.3	215.3	215.3	215.4	215.2	215.3
50.5°	212.6	212.4	212.6	212.7	212.5	212.5
51°	209.8	209.8	209.8	209.9	209.7	209.8
51.5°	207.1	206.9	207.1	207.2	207.0	207.1
52°	204.4	204.3	204.4	204.5	204.3	204.3
52.5°	201.6	201.4	201.6	201.7	201.5	201.5
53°	198.8	198.7	198.8	198.8	198.7	198.7
53.5°	196.0	195.7	196.0	196.0	195.9	195.9
54°	193.1	193.1	193.1	193.2	193.0	193.1
54.5°	190.3	190.1	190.3	190.4	190.2	190.3
55°	187.5	187.3	187.5	187.5	187.3	187.4
55.5°	184.6	184.4	184.6	184.7	184.4	184.5
56°	181.6	181.6	181.6	181.7	181.6	181.6
56.5°	178.8	178.6	178.8	178.9	178.7	178.7
57°	175.8	175.7	175.8	175.9	175.7	175.8
57.5°	172.9	172.8	172.9	173.0	172.8	172.9
58°	170.0	169.9	170.0	170.1	169.9	169.9
58.5°	167.1	166.8	167.1	167.2	166.9	167.0
59°	164.1	164.0	164.1	164.1	163.9	164.0
59.5°	161.1	160.9	161.1	161.2	161.0	161.1
60°	158.1	158.0	158.1	158.1	158.0	158.0
60.5°	155.1	154.9	155.1	155.2	155.0	155.0
61°	152.0	151.9	152.0	152.1	151.9	152.0
61.5°	149.0	148.8	149.0	149.1	148.9	149.1
62°	146.0	145.9	146.0	146.0	145.9	145.9
62.5°	142.9	142.8	142.9	143.0	142.8	142.9
63°	139.8	139.7	139.8	139.9	139.8	139.8
63.5°	136.8	136.6	136.8	136.9	136.7	136.8
64°	133.7	133.6	133.7	133.7	133.6	133.6
64.5°	130.6	130.5	130.6	130.7	130.5	130.6
65°	127.5	127.4	127.5	127.6	127.5	127.5
65.5°	124.4	124.2	124.4	124.5	124.3	124.4
66°	121.3	121.1	121.3	121.3	121.2	121.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997139

CATALOG NUMBER: SMX4RLSFS010-1000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	111.9	111.7	111.9	112.0	111.8	111.9
68°	108.8	108.7	108.8	108.8	108.7	108.7
68.5°	105.6	105.4	105.6	105.6	105.5	105.6
69°	102.5	102.4	102.5	102.5	102.4	102.4
69.5°	99.3	99.2	99.3	99.3	99.2	99.3
70°	96.2	96.1	96.2	96.2	96.1	96.1
70.5°	93.0	93.0	93.0	93.1	92.9	93.0
71°	89.9	89.8	89.9	89.9	89.8	89.8
71.5°	86.7	86.7	86.7	86.8	86.7	86.7
72°	83.6	83.6	83.6	83.6	83.5	83.6
72.5°	80.4	80.4	80.4	80.5	80.4	80.4
73°	77.3	77.2	77.3	77.3	77.3	77.3
73.5°	74.2	74.1	74.2	74.2	74.1	74.1
74°	71.1	71.0	71.1	71.1	71.0	71.0
74.5°	68.0	67.9	68.0	68.0	67.9	67.9
75°	64.9	64.8	64.9	64.9	64.8	64.9
75.5°	61.8	61.7	61.8	61.8	61.7	61.7
76°	58.7	58.7	58.7	58.7	58.7	58.7
76.5°	55.7	55.6	55.7	55.7	55.6	55.6
77°	52.7	52.6	52.7	52.7	52.7	52.6
77.5°	49.8	49.6	49.8	49.8	49.7	49.7
78°	46.8	46.8	46.8	46.7	46.7	46.7
78.5°	43.9	43.8	43.9	43.8	43.8	43.8
79°	41.1	40.9	41.1	41.0	41.0	40.9
79.5°	38.2	38.1	38.2	38.2	38.1	37.9
80°	35.5	35.3	35.5	35.4	35.3	35.2
80.5°	32.7	32.6	32.7	32.7	32.6	32.5
81°	30.1	30.0	30.1	30.0	29.9	29.8
81.5°	27.5	27.4	27.5	27.4	27.3	27.2
82°	24.9	24.9	24.9	24.8	24.7	24.7
82.5°	22.5	22.5	22.5	22.4	22.2	22.1
83°	20.1	20.1	20.1	19.9	19.8	19.7
83.5°	17.8	17.9	17.8	17.6	17.5	17.4
84°	15.7	15.8	15.7	15.5	15.3	15.2
84.5°	13.7	13.7	13.7	13.5	13.3	13.1
85°	11.7	11.7	11.7	11.5	11.3	11.2
85.5°	9.9	9.8	9.9	9.7	9.5	9.4
86°	8.2	8.1	8.2	7.9	7.8	7.8
86.5°	6.8	6.7	6.8	6.6	6.3	6.3
87°	5.5	5.4	5.5	5.3	5.0	4.8
87.5°	4.4	4.3	4.4	4.1	3.8	3.6
88°	3.5	3.3	3.5	3.1	2.8	2.7
88.5°	2.6	2.5	2.6	2.3	2.0	1.9

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Scaled Data Report



TEST NUMBER: P997139
CATALOG NUMBER: SMX4RLSFS010-1000LM-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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1121 Highway 74 South

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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°	337.3	337.1	337.6	337.5	337.2	337.5	337.6	337.1	337.3	337.1	337.6
22°	335.6	335.7	336.1	336.0	335.8	336.0	336.1	335.7	335.6	335.7	336.1



44°	246.6	246.5	246.8	246.7	246.6	246.7	246.8	246.5	246.6	246.5	246.8
44.5°	244.2	244.0	244.3	244.2	244.0	244.2	244.3	244.0	244.2	244.0	244.3



66.5°	118.1	118.0	118.2	118.2	118.0	118.2	118.2	118.0	118.1	118.0	118.2
67°	114.9	115.0	115.1	115.0	114.9	115.0	115.1	115.0	114.9	115.0	115.1



89°	1.2	1.4	1.7	2.0	2.0	2.0	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°	337.5	337.2	337.5	337.6	337.1	337.3
22°	336.0	335.8	336.0	336.1	335.7	335.6

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44°	246.7	246.6	246.7	246.8	246.5	246.6
44.5°	244.2	244.0	244.2	244.3	244.0	244.2

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66.5°	118.2	118.0	118.2	118.2	118.0	118.1
67°	115.0	114.9	115.0	115.1	115.0	114.9

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89°	2.0	2.0	2.0	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)