

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: P997159

Luminaire Tested: **SMX4SLSF010-650LM-4000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410943A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX4SLSFS010-650LM-4000K
Description: 4IN SQAURE, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

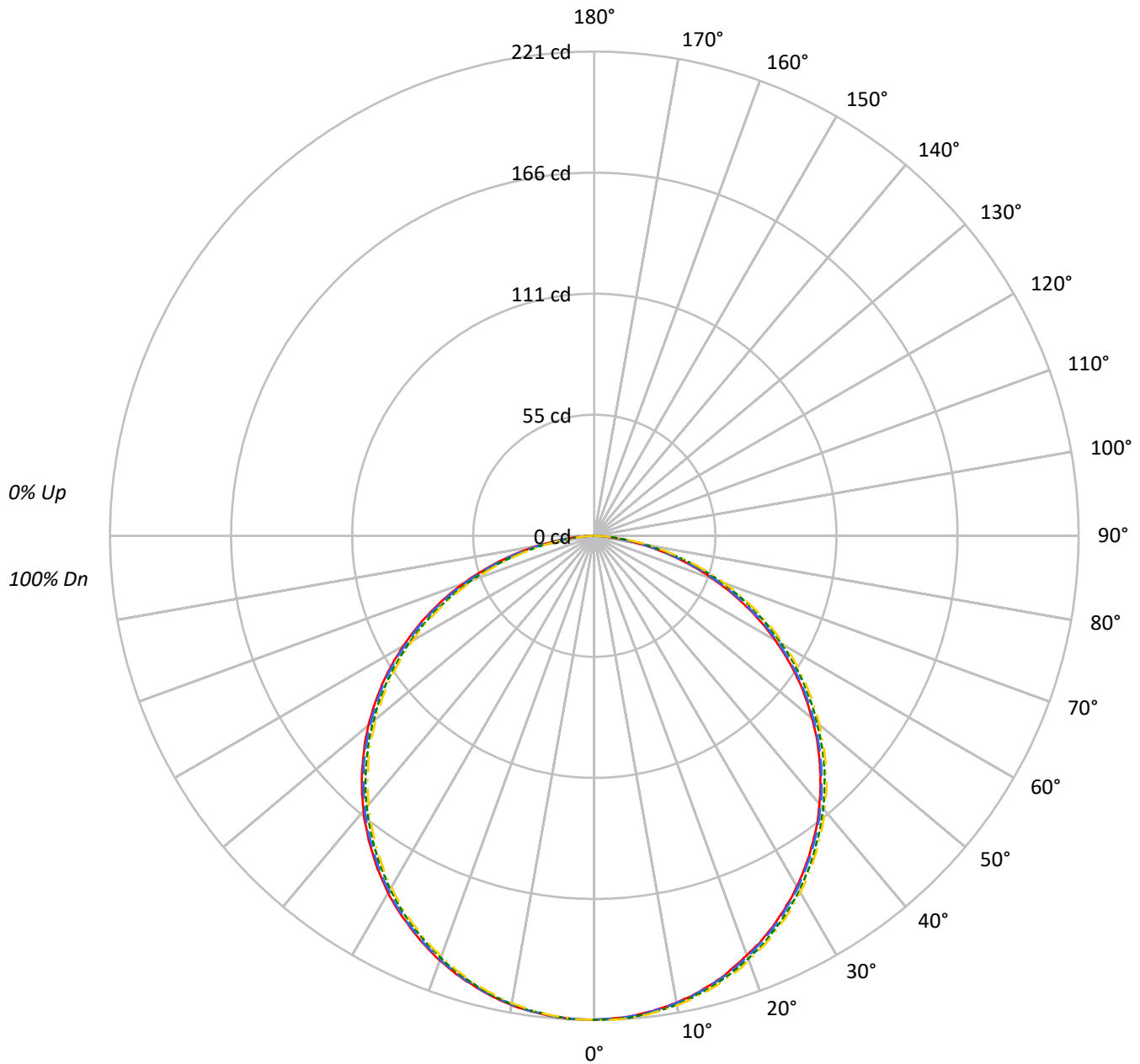
Lumens per Lamp: N/A
Luminaire Lumens: 630.7 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.8
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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	94	97	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70		
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59		
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38		
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30		
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27		
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21834	21834	21834	21834
5°	21789	21848	21838	21828
10°	21719	21820	21830	21780
15°	21612	21735	21755	21673
20°	21437	21605	21689	21563
25°	21289	21474	21583	21409
30°	21103	21354	21480	21252
35°	20875	21152	21309	21056
40°	20632	20967	21148	20851
45°	20311	20730	20926	20548
50°	19929	20390	20682	20236
55°	19473	20042	20386	19852
60°	18839	19511	19907	19254
65°	17962	18827	19295	18453
70°	16704	17831	18409	17282
75°	14779	16192	16994	15467
80°	11726	13718	14743	12750
85°	7145	9980	11454	8619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	3.3
10°-20°	59.8	9.5
20°-30°	90.6	14.4
30°-40°	109.4	17.3
40°-50°	113.8	18.0
50°-60°	103.2	16.4
60°-70°	78.7	12.5
70°-80°	43.9	7.0
80°-90°	10.2	1.6
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°	171.4	27.2
0°-40°	280.8	44.5
0°-60°	497.8	78.9
0°-90°	630.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	221	221	221	221	221	
5°	220	220	220	220	220	21
15°	211	212	213	212	211	60
25°	195	197	198	196	195	90
35°	173	175	177	174	173	108
45°	145	148	150	147	145	112
55°	113	116	118	115	113	101
65°	77	80	82	79	77	76
75°	39	42	44	40	39	41
85°	6	9	10	8	6	8
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°	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9
0.5°	220.8	220.7	220.9	220.8	220.9	220.8	221.2	220.9	220.9	221.0	220.8
1°	220.8	220.7	220.7	220.8	220.9	220.7	221.1	221.0	220.9	221.0	220.9
1.5°	220.6	220.8	220.7	220.6	220.8	220.9	221.1	220.9	220.8	220.9	220.8
2°	220.5	220.7	220.6	220.5	220.8	221.0	221.1	220.9	220.8	220.9	220.7
2.5°	220.3	220.6	220.5	220.5	220.8	220.8	221.0	220.8	220.8	220.8	220.7
3°	220.3	220.6	220.5	220.5	220.7	220.6	221.0	220.7	220.6	220.7	220.6
3.5°	220.3	220.4	220.3	220.3	220.5	220.5	220.9	220.6	220.5	220.7	220.5
4°	220.1	220.2	220.2	220.2	220.6	220.4	220.6	220.5	220.3	220.6	220.3
4.5°	219.8	220.1	220.0	220.0	220.4	220.3	220.6	220.3	220.3	220.5	220.2
5°	219.6	219.8	219.7	219.8	220.2	220.1	220.4	220.2	220.1	220.3	220.1
5.5°	219.3	219.5	219.6	219.7	219.9	220.0	220.2	220.1	220.0	220.1	219.9
6°	219.0	219.3	219.3	219.5	219.6	219.8	220.1	219.7	219.7	219.9	219.6
6.5°	218.7	219.0	219.0	219.2	219.5	219.5	219.8	219.6	219.5	219.8	219.5
7°	218.5	218.7	218.7	218.9	219.3	219.3	219.4	219.5	219.2	219.6	219.1
7.5°	218.1	218.4	218.3	218.5	219.1	219.0	219.1	219.2	219.1	219.1	218.9
8°	217.8	218.1	218.0	218.1	218.7	218.8	219.0	218.9	218.8	218.9	218.7
8.5°	217.5	217.7	217.7	217.8	218.4	218.5	218.6	218.5	218.5	218.6	218.3
9°	217.1	217.4	217.4	217.4	218.0	218.1	218.4	218.2	218.2	218.2	217.9
9.5°	216.7	217.0	216.9	217.1	217.7	217.7	218.0	217.8	217.9	218.0	217.8
10°	216.4	216.5	216.5	216.6	217.4	217.4	217.7	217.5	217.5	217.7	217.3
10.5°	215.9	216.0	216.1	216.3	216.8	217.1	217.2	217.1	217.1	217.3	216.9
11°	215.4	215.6	215.7	215.7	216.3	216.6	216.9	216.7	216.7	216.8	216.4
11.5°	215.1	215.0	215.2	215.3	215.9	216.2	216.5	216.3	216.3	216.4	216.1
12°	214.6	214.7	214.8	214.8	215.5	215.7	216.0	215.9	215.8	215.9	215.6
12.5°	214.0	214.1	214.2	214.4	214.8	215.1	215.3	215.5	215.4	215.5	215.1
13°	213.5	213.6	213.7	213.8	214.4	214.7	215.0	214.9	214.8	215.0	214.6
13.5°	212.8	213.1	213.2	213.3	213.9	214.3	214.5	214.5	214.4	214.4	214.1
14°	212.3	212.5	212.6	212.9	213.4	213.7	214.1	213.9	213.8	213.9	213.5
14.5°	211.8	211.8	212.0	212.2	212.8	213.1	213.5	213.3	213.3	213.4	213.0
15°	211.2	211.4	211.4	211.5	212.4	212.7	213.0	212.9	212.6	212.9	212.4
15.5°	210.4	210.7	210.8	211.0	211.6	211.9	212.4	212.3	212.0	212.3	211.9
16°	209.9	210.0	210.2	210.3	210.9	211.6	211.8	211.8	211.6	211.8	211.2
16.5°	209.2	209.3	209.5	209.7	210.3	210.9	211.2	211.2	211.0	211.2	210.7
17°	208.4	208.7	208.9	209.0	209.7	210.2	210.4	210.5	210.3	210.4	210.0
17.5°	207.5	208.0	208.2	208.4	209.0	209.5	209.9	209.8	209.8	209.8	209.3
18°	206.8	207.4	207.6	207.7	208.4	208.9	209.3	209.0	209.0	209.1	208.6
18.5°	206.1	206.5	206.7	207.1	207.6	208.2	208.6	208.5	208.4	208.4	208.0
19°	205.4	205.8	206.0	206.3	206.9	207.5	207.8	207.8	207.6	207.7	207.2
19.5°	204.4	205.0	205.2	205.6	206.2	206.7	207.0	207.0	206.9	207.0	206.6
20°	203.8	204.3	204.5	204.8	205.4	206.1	206.2	206.2	206.2	206.2	205.7
20.5°	202.9	203.4	203.6	204.1	204.6	205.3	205.5	205.5	205.6	205.4	205.1
21°	202.2	202.6	202.8	203.1	203.8	204.5	204.6	204.7	204.7	204.6	204.2

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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°	199.8	200.1	200.3	200.6	201.5	202.1	202.4	202.4	202.2	202.4	201.9
23°	198.8	199.2	199.4	199.7	200.6	201.3	201.5	201.6	201.4	201.6	201.0
23.5°	197.9	198.3	198.5	198.9	199.7	200.3	200.7	200.6	200.5	200.7	200.1
24°	197.1	197.4	197.8	198.0	198.8	199.3	199.8	199.7	199.7	199.8	199.2
24.5°	196.2	196.4	196.7	197.1	197.9	198.5	198.9	199.0	198.8	198.9	198.3
25°	195.2	195.6	195.8	196.1	196.9	197.7	198.0	197.9	197.9	198.0	197.4
25.5°	194.1	194.6	194.9	195.3	196.0	196.7	197.1	197.1	196.9	197.1	196.5
26°	193.1	193.6	194.1	194.4	195.1	195.7	196.0	196.3	196.0	196.0	195.6
26.5°	192.2	192.7	193.0	193.3	194.2	194.8	195.2	195.3	195.1	195.1	194.7
27°	191.3	191.6	191.8	192.4	193.2	193.9	194.2	194.3	194.2	194.2	193.6
27.5°	190.0	190.5	190.7	191.4	192.2	192.8	193.2	193.4	193.2	193.2	192.7
28°	189.2	189.6	189.9	190.3	191.2	191.8	192.2	192.2	192.3	192.2	191.7
28.5°	188.2	188.5	188.8	189.2	190.1	190.7	191.2	191.3	191.3	191.2	190.7
29°	187.1	187.5	187.7	188.1	189.2	189.8	190.2	190.2	190.2	190.2	189.6
29.5°	185.9	186.5	186.6	187.1	188.2	188.6	189.1	189.1	189.3	189.1	188.6
30°	184.9	185.3	185.6	185.9	187.1	187.6	188.0	188.1	188.2	188.1	187.3
30.5°	183.7	184.1	184.4	184.9	185.9	186.5	186.9	187.1	187.1	186.9	186.3
31°	182.6	183.0	183.3	183.7	184.8	185.5	185.9	186.0	185.9	185.8	185.2
31.5°	181.5	181.9	182.0	182.6	183.6	184.3	184.7	184.8	184.8	184.7	184.2
32°	180.2	180.7	181.0	181.4	182.4	183.1	183.5	183.6	183.7	183.6	183.0
32.5°	179.0	179.4	179.8	180.3	181.4	182.0	182.4	182.4	182.5	182.4	181.9
33°	177.9	178.3	178.6	179.2	180.2	180.9	181.4	181.4	181.5	181.2	180.6
33.5°	176.7	177.1	177.4	177.9	179.0	179.5	180.2	180.1	180.2	180.0	179.4
34°	175.6	175.9	176.2	176.7	177.8	178.3	178.9	179.0	179.0	178.8	178.2
34.5°	174.3	174.7	175.0	175.5	176.6	177.2	177.6	177.8	177.8	177.7	177.1
35°	173.0	173.4	173.7	174.2	175.3	176.0	176.5	176.5	176.6	176.5	175.7
35.5°	171.8	172.2	172.5	173.1	174.0	174.9	175.2	175.3	175.4	175.2	174.6
36°	170.5	170.8	171.3	171.8	172.7	173.6	174.0	174.1	174.2	174.0	173.3
36.5°	169.3	169.6	170.0	170.6	171.6	172.2	172.8	172.9	173.0	172.8	172.1
37°	168.0	168.4	168.8	169.3	170.3	171.1	171.5	171.7	171.6	171.4	170.8
37.5°	166.7	167.0	167.5	168.1	169.1	169.9	170.1	170.5	170.4	170.2	169.7
38°	165.4	165.7	166.1	166.6	167.8	168.6	168.9	169.3	169.1	169.0	168.3
38.5°	164.0	164.3	164.8	165.3	166.5	167.3	167.7	167.9	167.9	167.6	167.0
39°	162.6	163.0	163.4	164.0	165.1	166.0	166.4	166.6	166.7	166.2	165.6
39.5°	161.2	161.5	161.9	162.6	163.9	164.5	165.0	165.2	165.3	165.0	164.3
40°	159.9	160.3	160.6	161.1	162.5	163.2	163.7	164.0	163.9	163.6	162.9
40.5°	158.4	158.8	159.3	159.9	161.1	161.8	162.2	162.6	162.5	162.3	161.6
41°	157.1	157.5	157.9	158.5	159.8	160.5	160.8	161.2	161.1	161.0	160.0
41.5°	155.6	156.1	156.5	157.1	158.3	159.1	159.4	159.8	159.7	159.5	158.7
42°	154.2	154.7	155.0	155.7	157.0	157.6	158.2	158.3	158.4	158.1	157.4
42.5°	152.7	153.2	153.6	154.3	155.5	156.1	156.8	156.9	157.0	156.7	155.9
43°	151.3	151.9	152.2	152.9	154.1	154.8	155.3	155.5	155.5	155.3	154.4
43.5°	149.9	150.3	150.7	151.4	152.7	153.4	153.8	154.1	154.2	153.9	153.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	145.3	145.9	146.2	146.9	148.3	149.1	149.5	149.7	149.7	149.5	148.7
45.5°	143.8	144.4	144.7	145.5	146.9	147.5	148.1	148.2	148.2	148.1	147.4
46°	142.4	142.9	143.3	143.9	145.3	146.1	146.5	146.8	146.7	146.5	145.7
46.5°	140.8	141.3	141.8	142.4	143.9	144.5	144.9	145.3	145.2	145.0	144.3
47°	139.3	139.8	140.1	140.9	142.2	143.0	143.5	143.9	143.7	143.6	142.8
47.5°	137.8	138.1	138.6	139.4	140.6	141.5	141.9	142.3	142.3	142.0	141.3
48°	136.2	136.6	137.1	137.7	139.0	139.9	140.3	140.8	140.8	140.5	139.6
48.5°	134.6	135.1	135.5	136.2	137.4	138.4	138.9	139.2	139.2	138.9	138.2
49°	132.8	133.6	133.9	134.5	135.8	136.7	137.4	137.6	137.6	137.4	136.6
49.5°	131.4	131.9	132.3	133.0	134.2	135.2	135.8	136.0	136.0	135.8	135.0
50°	129.6	130.2	130.7	131.5	132.6	133.8	134.2	134.5	134.5	134.2	133.3
50.5°	127.9	128.6	129.0	129.8	131.1	132.0	132.5	132.9	132.9	132.6	131.8
51°	126.3	127.0	127.4	128.2	129.5	130.5	130.9	131.2	131.3	131.1	130.1
51.5°	124.8	125.3	125.8	126.5	127.9	128.7	129.4	129.5	129.6	129.4	128.5
52°	123.2	123.7	124.2	124.9	126.3	127.1	127.7	128.0	128.1	127.8	126.9
52.5°	121.5	121.9	122.5	123.3	124.5	125.5	126.1	126.3	126.4	126.0	125.2
53°	119.9	120.3	120.8	121.7	122.8	123.9	124.5	124.7	124.8	124.4	123.6
53.5°	118.3	118.7	119.2	119.8	121.2	122.2	122.7	122.9	123.1	122.7	122.0
54°	116.6	117.0	117.5	118.1	119.5	120.5	121.1	121.2	121.3	121.1	120.3
54.5°	114.9	115.3	115.9	116.5	118.1	119.0	119.4	119.6	119.7	119.5	118.7
55°	113.0	113.6	114.1	114.9	116.3	117.3	117.8	118.0	118.3	117.9	117.1
55.5°	111.4	111.8	112.5	113.2	114.7	115.6	116.2	116.4	116.5	116.1	115.5
56°	109.7	110.1	110.7	111.4	113.0	113.8	114.4	114.6	114.7	114.5	113.6
56.5°	107.9	108.3	108.9	109.7	111.1	112.1	112.7	113.0	113.0	112.7	111.9
57°	106.3	106.6	107.1	107.9	109.5	110.3	111.0	111.2	111.2	110.9	110.1
57.5°	104.4	104.8	105.4	106.2	107.8	108.6	109.3	109.5	109.6	109.2	108.4
58°	102.6	103.0	103.6	104.4	106.0	106.9	107.5	107.8	107.8	107.4	106.7
58.5°	100.7	101.2	101.8	102.6	104.2	105.2	105.8	106.1	106.1	105.8	105.0
59°	98.9	99.5	100.0	100.8	102.5	103.3	103.9	104.4	104.1	103.9	103.2
59.5°	97.0	97.7	98.2	99.1	100.5	101.4	102.2	102.6	102.5	102.2	101.4
60°	95.3	95.9	96.5	97.4	98.7	99.7	100.3	100.8	100.7	100.3	99.5
60.5°	93.6	94.0	94.6	95.5	96.9	97.9	98.6	99.2	99.0	98.6	97.8
61°	91.8	92.3	92.9	93.7	95.1	96.2	96.7	97.3	97.1	96.8	96.0
61.5°	89.9	90.4	91.0	91.9	93.3	94.3	94.9	95.5	95.3	95.0	94.1
62°	88.1	88.6	89.2	90.1	91.7	92.6	93.2	93.6	93.5	93.2	92.5
62.5°	86.2	86.6	87.3	88.1	89.8	90.8	91.4	92.0	91.7	91.3	90.6
63°	84.3	84.8	85.4	86.3	88.0	88.9	89.6	89.9	89.9	89.5	88.6
63.5°	82.4	82.9	83.6	84.5	86.1	87.0	87.7	88.2	88.1	87.6	86.9
64°	80.6	81.0	81.7	82.4	84.2	85.2	85.8	86.4	86.2	85.8	85.0
64.5°	78.7	79.2	79.8	80.7	82.5	83.3	84.0	84.5	84.3	83.9	83.2
65°	76.8	77.3	77.9	78.8	80.5	81.4	82.1	82.5	82.5	82.1	81.3
65.5°	74.8	75.4	76.1	77.0	78.6	79.7	80.3	80.7	80.6	80.3	79.4
66°	72.9	73.5	74.1	75.0	77.0	77.8	78.3	78.9	78.7	78.4	77.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997159

CATALOG NUMBER: SMX4SLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	67.3	67.9	68.4	69.3	71.1	72.2	72.7	73.2	73.2	72.6	71.8
68°	65.4	66.0	66.6	67.5	69.2	70.2	70.9	71.2	71.3	70.8	69.9
68.5°	63.4	64.1	64.7	65.6	67.5	68.3	68.9	69.3	69.4	68.9	68.0
69°	61.5	62.2	62.8	63.7	65.6	66.5	67.2	67.5	67.5	67.1	66.3
69.5°	59.6	60.2	60.9	61.7	63.6	64.5	65.2	65.6	65.6	65.1	64.3
70°	57.8	58.3	58.9	59.8	61.7	62.6	63.2	63.6	63.7	63.3	62.4
70.5°	55.7	56.3	57.0	57.9	59.8	60.7	61.4	61.8	61.8	61.3	60.5
71°	53.9	54.5	55.1	55.9	57.8	58.8	59.4	59.9	59.9	59.4	58.6
71.5°	52.0	52.5	53.1	54.0	55.8	56.9	57.5	57.9	57.9	57.6	56.6
72°	50.0	50.6	51.2	52.1	53.9	55.0	55.5	55.9	56.0	55.6	54.7
72.5°	48.1	48.6	49.3	50.1	52.0	53.1	53.6	54.0	54.0	53.6	52.7
73°	46.2	46.7	47.4	48.2	50.0	51.1	51.7	52.1	52.1	51.7	50.8
73.5°	44.3	44.9	45.4	46.3	48.2	49.2	49.7	50.1	50.2	49.8	48.9
74°	42.4	42.9	43.5	44.3	46.2	47.3	47.8	48.2	48.3	47.9	47.0
74.5°	40.5	41.1	41.8	42.6	44.3	45.4	45.9	46.3	46.3	45.9	45.1
75°	38.7	39.1	39.8	40.5	42.4	43.4	43.9	44.4	44.5	44.0	43.2
75.5°	36.8	37.3	37.9	38.7	40.6	41.7	42.2	42.4	42.6	42.2	41.4
76°	35.0	35.4	35.9	36.8	38.7	39.7	40.3	40.6	40.8	40.3	39.5
76.5°	33.0	33.5	34.1	34.9	36.9	37.9	38.4	38.7	38.8	38.5	37.6
77°	31.3	31.7	32.3	33.0	35.0	35.9	36.5	36.8	36.9	36.6	35.7
77.5°	29.5	29.8	30.5	31.2	33.2	34.1	34.6	35.0	35.0	34.7	33.9
78°	27.6	28.0	28.6	29.5	31.3	32.3	32.8	33.2	33.2	32.8	32.1
78.5°	25.9	26.2	26.9	27.6	29.5	30.4	30.9	31.3	31.4	31.1	30.2
79°	24.1	24.5	25.1	25.9	27.7	28.6	29.1	29.5	29.4	29.2	28.4
79.5°	22.4	22.8	23.4	24.1	25.9	26.9	27.3	27.7	27.7	27.3	26.6
80°	20.6	21.0	21.6	22.4	24.1	25.0	25.5	25.9	25.9	25.6	24.8
80.5°	19.0	19.4	20.0	20.6	22.5	23.3	23.8	24.1	24.2	23.9	23.2
81°	17.4	17.7	18.4	19.0	20.7	21.6	22.1	22.4	22.6	22.2	21.5
81.5°	16.0	16.3	16.9	17.4	19.1	19.9	20.4	20.6	20.7	20.5	19.8
82°	14.4	14.7	15.3	16.0	17.5	18.2	18.7	19.1	19.0	18.7	18.1
82.5°	12.9	13.2	13.8	14.5	16.1	16.7	17.1	17.4	17.4	17.2	16.5
83°	11.5	11.8	12.3	13.0	14.5	15.2	15.7	16.0	16.0	15.7	15.2
83.5°	10.0	10.4	10.9	11.5	13.0	13.7	14.2	14.4	14.5	14.2	13.6
84°	8.8	9.1	9.6	10.2	11.5	12.2	12.6	12.9	13.0	12.7	12.0
84.5°	7.6	7.8	8.4	8.9	10.1	10.8	11.2	11.5	11.5	11.3	10.7
85°	6.3	6.6	7.1	7.6	8.8	9.4	9.8	10.0	10.1	9.8	9.4
85.5°	5.3	5.5	6.0	6.5	7.5	8.2	8.5	8.7	8.8	8.5	8.1
86°	4.2	4.6	5.0	5.4	6.4	6.9	7.3	7.5	7.5	7.3	6.8
86.5°	3.3	3.6	4.2	4.4	5.2	5.7	6.0	6.2	6.3	6.1	5.7
87°	2.6	2.8	3.2	3.5	4.2	4.7	5.0	5.2	5.2	5.0	4.6
87.5°	1.9	2.1	2.5	2.7	3.4	3.7	3.9	4.1	4.2	4.0	3.6
88°	1.3	1.5	1.8	2.0	2.4	2.8	3.1	3.3	3.3	3.1	2.8
88.5°	0.9	1.0	1.3	1.4	1.7	2.0	2.2	2.3	2.4	2.2	2.0

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

Scaled Data Report



TEST NUMBER: P997159
CATALOG NUMBER: SMX4SLSFS010-650LM-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: P997159

CATALOG NUMBER: SMX4SLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	220.9	220.9	220.9	220.9	220.9	220.9
0.5°	220.9	221.1	220.9	220.9	220.9	220.8
1°	220.8	220.9	220.8	221.0	220.8	220.8
1.5°	220.6	220.9	220.8	220.8	220.7	220.6
2°	220.6	220.9	220.7	220.9	220.5	220.5
2.5°	220.6	220.8	220.7	220.8	220.5	220.3
3°	220.5	220.8	220.7	220.5	220.4	220.3
3.5°	220.5	220.6	220.4	220.4	220.1	220.3
4°	220.3	220.3	220.3	220.3	220.0	220.1
4.5°	220.1	220.3	220.1	219.9	219.7	219.8
5°	220.0	220.0	219.9	219.9	219.4	219.6
5.5°	219.9	219.7	219.6	219.5	219.3	219.3
6°	219.5	219.3	219.3	219.3	219.1	219.0
6.5°	219.2	219.1	219.1	219.1	218.8	218.7
7°	219.0	218.9	218.7	218.8	218.6	218.5
7.5°	218.6	218.7	218.4	218.4	218.2	218.1
8°	218.3	218.4	218.1	218.1	217.8	217.8
8.5°	218.0	218.1	217.7	217.7	217.5	217.5
9°	217.7	217.6	217.4	217.3	217.1	217.1
9.5°	217.3	217.3	217.0	217.0	216.7	216.7
10°	217.1	217.0	216.6	216.6	216.2	216.4
10.5°	216.6	216.6	216.1	216.1	215.6	215.9
11°	216.2	216.2	215.7	215.7	215.2	215.4
11.5°	215.9	215.7	215.2	215.2	214.7	215.1
12°	215.4	215.3	214.8	214.7	214.3	214.6
12.5°	214.8	214.8	214.4	214.1	213.8	214.0
13°	214.4	214.3	213.8	213.7	213.4	213.5
13.5°	213.8	213.6	213.1	213.1	212.8	212.8
14°	213.2	213.2	212.7	212.5	212.3	212.3
14.5°	212.7	212.6	212.1	212.0	211.8	211.8
15°	212.1	211.8	211.4	211.5	211.2	211.2
15.5°	211.5	211.3	210.9	210.7	210.4	210.4
16°	211.0	210.7	210.1	210.1	209.7	209.9
16.5°	210.4	210.0	209.6	209.4	209.0	209.2
17°	209.7	209.3	208.9	208.7	208.4	208.4
17.5°	209.0	208.7	208.1	208.1	207.6	207.5
18°	208.4	208.0	207.4	207.3	207.1	206.8
18.5°	207.8	207.3	206.8	206.6	206.2	206.1
19°	207.0	206.7	206.0	205.8	205.4	205.4
19.5°	206.2	205.7	205.2	205.1	204.7	204.4
20°	205.4	205.0	204.5	204.2	204.0	203.8
20.5°	204.6	204.2	203.8	203.3	203.1	202.9
21°	203.8	203.3	202.9	202.7	202.4	202.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997159

CATALOG NUMBER: SMX4SLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	201.4	200.8	200.5	200.0	199.7	199.8
23°	200.6	199.9	199.6	199.2	198.8	198.8
23.5°	199.7	199.1	198.7	198.1	197.8	197.9
24°	198.8	198.2	197.8	197.4	197.0	197.1
24.5°	197.9	197.2	196.9	196.4	196.1	196.2
25°	196.9	196.3	195.7	195.6	195.4	195.2
25.5°	196.0	195.4	194.9	194.7	194.3	194.1
26°	195.1	194.6	194.0	193.7	193.2	193.1
26.5°	194.1	193.6	192.9	192.6	192.2	192.2
27°	193.0	192.6	191.9	191.7	191.3	191.3
27.5°	192.2	191.5	191.0	190.7	190.2	190.0
28°	191.1	190.5	189.9	189.6	189.1	189.2
28.5°	190.1	189.4	188.9	188.4	188.0	188.2
29°	189.0	188.3	187.8	187.5	186.9	187.1
29.5°	188.0	187.3	186.7	186.3	185.8	185.9
30°	186.8	186.2	185.7	185.3	184.7	184.9
30.5°	185.7	185.1	184.6	184.2	183.6	183.7
31°	184.6	184.0	183.4	182.9	182.5	182.6
31.5°	183.5	182.8	182.4	181.9	181.2	181.5
32°	182.4	181.7	181.0	180.8	180.2	180.2
32.5°	181.3	180.5	179.9	179.4	179.0	179.0
33°	180.1	179.4	178.9	178.3	177.8	177.9
33.5°	178.9	178.2	177.6	177.0	176.6	176.7
34°	177.6	177.0	176.4	175.9	175.4	175.6
34.5°	176.5	175.7	175.2	174.7	174.1	174.3
35°	175.2	174.5	173.9	173.3	172.9	173.0
35.5°	174.1	173.2	172.7	172.0	171.5	171.8
36°	172.8	172.0	171.3	170.8	170.4	170.5
36.5°	171.5	170.6	170.0	169.5	169.2	169.3
37°	170.2	169.5	168.9	168.3	167.8	168.0
37.5°	169.0	168.1	167.7	167.0	166.5	166.7
38°	167.8	166.9	166.2	165.7	165.2	165.4
38.5°	166.4	165.6	164.9	164.3	163.8	164.0
39°	165.0	164.1	163.4	162.9	162.6	162.6
39.5°	163.7	162.9	162.1	161.5	161.2	161.2
40°	162.3	161.6	160.6	160.3	159.8	159.9
40.5°	160.9	160.2	159.2	158.8	158.3	158.4
41°	159.4	158.8	157.8	157.5	157.0	157.1
41.5°	158.1	157.4	156.5	156.0	155.6	155.6
42°	156.8	156.0	155.1	154.5	154.1	154.2
42.5°	155.4	154.4	153.6	153.2	152.6	152.7
43°	153.9	153.1	152.1	151.6	151.2	151.3
43.5°	152.4	151.6	150.7	150.1	149.7	149.9

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997159

CATALOG NUMBER: SMX4SLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	148.1	147.0	146.2	145.8	145.2	145.3
45.5°	146.6	145.5	144.8	144.3	143.8	143.8
46°	145.0	144.1	143.3	142.7	142.3	142.4
46.5°	143.6	142.5	141.7	141.2	140.8	140.8
47°	142.0	141.1	140.2	139.7	139.2	139.3
47.5°	140.4	139.6	138.7	138.1	137.6	137.8
48°	139.0	138.0	137.1	136.5	136.1	136.2
48.5°	137.4	136.5	135.5	134.9	134.4	134.6
49°	135.9	134.8	133.9	133.2	133.0	132.8
49.5°	134.2	133.3	132.4	131.7	131.3	131.4
50°	132.6	131.6	130.7	130.1	129.7	129.6
50.5°	131.1	130.0	129.1	128.4	128.1	127.9
51°	129.4	128.4	127.4	126.8	126.5	126.3
51.5°	127.8	126.8	125.8	125.3	124.8	124.8
52°	126.2	125.3	124.0	123.5	123.2	123.2
52.5°	124.5	123.5	122.4	122.0	121.4	121.5
53°	122.9	121.9	120.7	120.3	119.8	119.9
53.5°	121.2	120.0	119.0	118.6	118.2	118.3
54°	119.6	118.5	117.4	116.9	116.5	116.6
54.5°	117.9	116.9	115.9	115.2	114.8	114.9
55°	116.3	115.2	114.1	113.5	113.0	113.0
55.5°	114.5	113.3	112.4	111.8	111.4	111.4
56°	112.9	111.6	110.6	110.0	109.6	109.7
56.5°	111.1	109.9	108.9	108.3	108.0	107.9
57°	109.5	108.1	107.1	106.4	106.2	106.3
57.5°	107.7	106.4	105.4	104.7	104.5	104.4
58°	106.0	104.7	103.6	103.0	102.7	102.6
58.5°	104.2	102.8	101.8	101.2	100.8	100.7
59°	102.5	101.0	100.0	99.4	99.1	98.9
59.5°	100.6	99.1	98.1	97.5	97.1	97.0
60°	98.9	97.4	96.3	95.8	95.4	95.3
60.5°	97.1	95.4	94.5	93.9	93.5	93.6
61°	95.4	93.8	92.8	92.2	91.8	91.8
61.5°	93.6	91.8	90.9	90.4	90.0	89.9
62°	91.8	90.0	89.1	88.6	88.0	88.1
62.5°	90.0	88.1	87.2	86.6	86.2	86.2
63°	88.2	86.4	85.3	84.8	84.3	84.3
63.5°	86.3	84.3	83.4	82.8	82.4	82.4
64°	84.4	82.6	81.6	81.0	80.6	80.6
64.5°	82.5	80.7	79.7	79.1	78.7	78.7
65°	80.6	78.9	77.9	77.3	76.8	76.8
65.5°	78.7	76.8	75.9	75.3	74.9	74.8
66°	76.8	75.0	74.0	73.4	73.1	72.9

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997159

CATALOG NUMBER: SMX4SLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	71.1	69.3	68.3	67.8	67.4	67.3
68°	69.1	67.5	66.4	65.8	65.5	65.4
68.5°	67.4	65.5	64.6	63.8	63.6	63.4
69°	65.4	63.6	62.6	62.0	61.7	61.5
69.5°	63.5	61.6	60.7	60.1	59.8	59.6
70°	61.6	59.8	58.8	58.2	57.8	57.8
70.5°	59.7	57.8	56.9	56.2	55.8	55.7
71°	57.8	56.0	55.0	54.3	53.9	53.9
71.5°	55.8	54.0	53.0	52.4	51.9	52.0
72°	53.9	52.1	51.1	50.5	50.1	50.0
72.5°	52.0	50.1	49.2	48.5	48.1	48.1
73°	50.1	48.2	47.2	46.6	46.1	46.2
73.5°	48.1	46.2	45.4	44.7	44.2	44.3
74°	46.2	44.4	43.4	42.8	42.4	42.4
74.5°	44.3	42.5	41.6	41.0	40.4	40.5
75°	42.5	40.5	39.7	39.0	38.7	38.7
75.5°	40.6	38.7	37.8	37.1	36.7	36.8
76°	38.7	36.9	35.9	35.2	34.9	35.0
76.5°	36.8	34.9	34.0	33.4	33.0	33.0
77°	35.0	33.1	32.2	31.5	31.1	31.3
77.5°	33.1	31.3	30.4	29.8	29.4	29.5
78°	31.2	29.5	28.5	27.9	27.5	27.6
78.5°	29.3	27.7	26.8	26.2	25.7	25.9
79°	27.6	25.9	25.0	24.3	24.0	24.1
79.5°	25.9	24.2	23.2	22.7	22.3	22.4
80°	24.2	22.4	21.5	21.0	20.6	20.6
80.5°	22.4	20.7	19.9	19.3	19.0	19.0
81°	20.7	19.1	18.3	17.6	17.3	17.4
81.5°	19.1	17.5	16.8	16.2	15.9	16.0
82°	17.5	16.1	15.2	14.7	14.3	14.4
82.5°	16.0	14.5	13.7	13.2	12.9	12.9
83°	14.5	13.0	12.2	11.8	11.5	11.5
83.5°	13.0	11.6	10.8	10.4	10.1	10.0
84°	11.5	10.2	9.5	9.1	8.8	8.8
84.5°	10.1	8.9	8.2	7.8	7.5	7.6
85°	8.8	7.6	7.1	6.6	6.4	6.3
85.5°	7.6	6.5	5.8	5.6	5.2	5.3
86°	6.4	5.3	4.8	4.6	4.2	4.2
86.5°	5.3	4.3	4.0	3.6	3.4	3.3
87°	4.3	3.5	3.0	2.7	2.6	2.6
87.5°	3.3	2.7	2.2	2.0	1.9	1.9
88°	2.4	2.0	1.7	1.4	1.3	1.3
88.5°	1.7	1.4	1.1	1.0	0.9	0.9

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Scaled Data Report



TEST NUMBER: P997159
CATALOG NUMBER: SMX4SLSFS010-650LM-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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	201.3	201.8	202.0	202.2	203.1	203.7	203.8	204.0	203.9	203.8	203.4
22°	200.8	201.0	201.1	201.5	202.4	203.0	203.0	203.2	203.0	203.2	202.7



44°	148.3	148.9	149.2	149.8	151.2	152.0	152.4	152.7	152.6	152.4	151.6
44.5°	146.9	147.4	147.8	148.4	149.9	150.5	150.9	151.2	151.2	151.0	150.2

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66.5°	71.0	71.5	72.2	73.1	74.9	75.8	76.5	77.0	76.9	76.4	75.7
67°	69.0	69.7	70.3	71.1	73.0	74.0	74.6	75.1	75.0	74.5	73.8

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89°	0.5	0.6	0.9	0.9	1.1	1.3	1.5	1.6	1.6	1.5	1.3
89.5°	0.2	0.3	0.5	0.6	0.5	0.8	0.9	1.1	1.0	1.0	0.7

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21.5°	203.0	202.4	202.0	202.0	201.4	201.3
22°	202.2	201.7	201.2	201.0	200.4	200.8

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44°	151.0	150.1	149.2	148.6	148.4	148.3
44.5°	149.5	148.6	147.6	147.2	146.7	146.9

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66.5°	74.9	73.0	72.1	71.4	71.2	71.0
67°	73.1	71.2	70.3	69.6	69.3	69.0

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89°	1.2	1.0	0.7	0.6	0.5	0.5
89.5°	0.6	0.6	0.4	0.3	0.2	0.2

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(END OF REPORT)