

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: P997157

Luminaire Tested: **SMX4SLSF010-650LM-3000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997157
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-3000K
Description: 4IN SQAURE, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

Summary

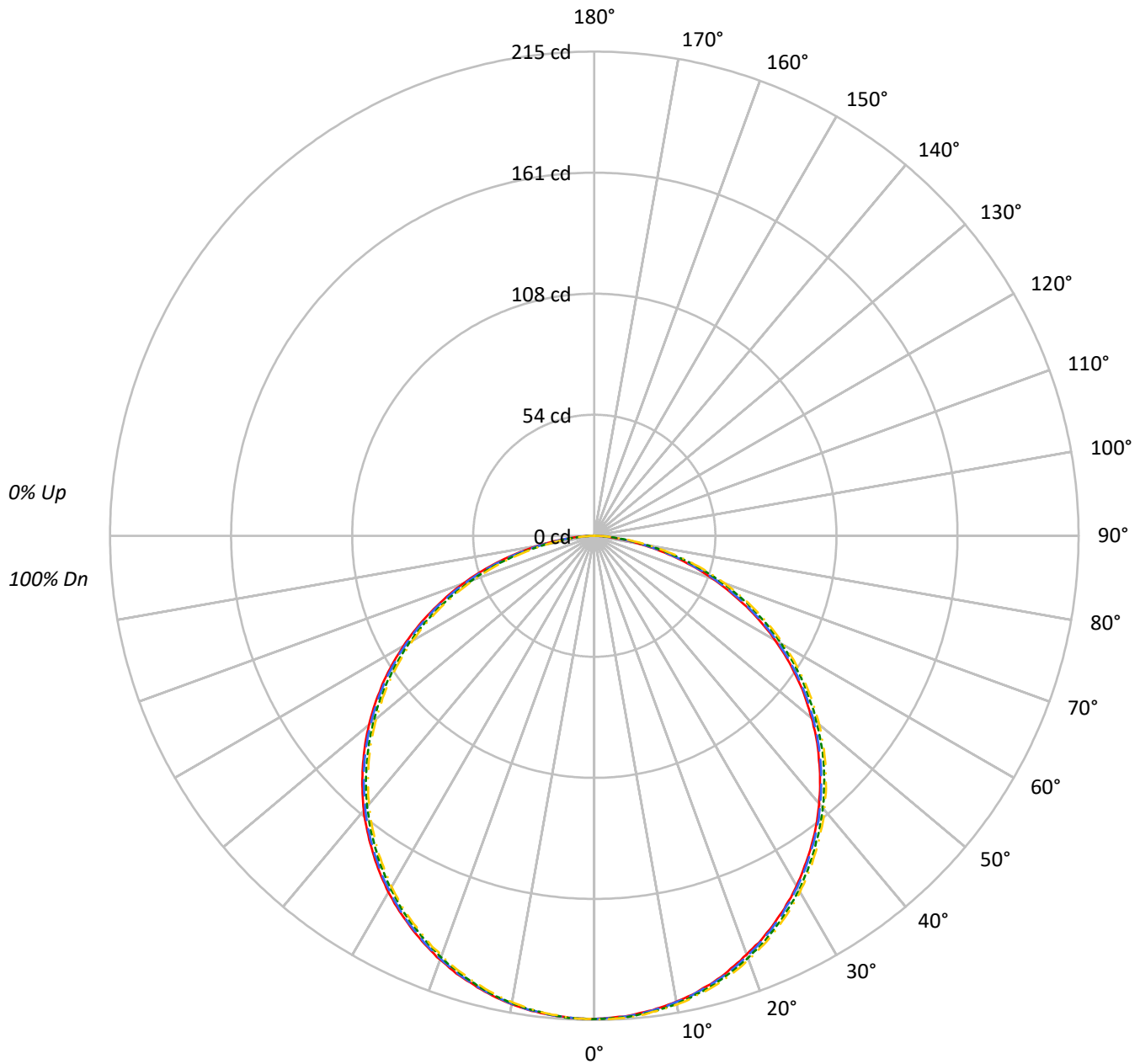
Lumens per Lamp: N/A
Luminaire Lumens: 612.5 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	21212	21212	21212	21212
5°	21154	21213	21213	21203
10°	21087	21198	21198	21147
15°	20988	21110	21131	21049
20°	20816	20985	21069	20942
25°	20678	20863	20961	20798
30°	20498	20738	20864	20647
35°	20272	20549	20694	20453
40°	20038	20361	20541	20258
45°	19724	20143	20311	19961
50°	19360	19806	20083	19652
55°	18921	19456	19783	19283
60°	18286	18958	19334	18701
65°	17447	18289	18734	17915
70°	16213	17311	17889	16762
75°	14359	15734	16498	15009
80°	11384	13320	14344	12409
85°	7031	9753	11114	8392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	3.3
10°-20°	58.1	9.5
20°-30°	88.0	14.4
30°-40°	106.2	17.3
40°-50°	110.5	18.0
50°-60°	100.3	16.4
60°-70°	76.5	12.5
70°-80°	42.7	7.0
80°-90°	9.9	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°	166.4	27.2
0°-40°	272.7	44.5
0°-60°	483.5	78.9
0°-90°	612.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	215	215	215	215	215	
5°	213	214	214	214	213	20
15°	205	206	206	206	205	58
25°	190	191	192	191	190	87
35°	168	170	172	170	168	105
45°	141	144	145	143	141	109
55°	110	113	115	112	110	98
65°	75	78	80	77	75	74
75°	38	41	43	39	38	40
85°	6	9	10	7	6	8
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6
0.5°	214.4	214.4	214.5	214.4	214.5	214.5	214.8	214.5	214.5	214.6	214.4
1°	214.4	214.4	214.4	214.4	214.5	214.4	214.7	214.6	214.5	214.6	214.5
1.5°	214.2	214.5	214.3	214.3	214.4	214.5	214.7	214.5	214.4	214.5	214.4
2°	214.1	214.4	214.3	214.2	214.4	214.6	214.7	214.5	214.4	214.5	214.3
2.5°	214.0	214.3	214.2	214.2	214.4	214.4	214.6	214.5	214.4	214.5	214.3
3°	213.9	214.2	214.1	214.1	214.3	214.3	214.6	214.4	214.3	214.3	214.2
3.5°	213.9	214.1	213.9	214.0	214.2	214.1	214.5	214.2	214.1	214.3	214.2
4°	213.7	213.9	213.9	213.9	214.2	214.1	214.3	214.1	214.0	214.2	213.9
4.5°	213.5	213.7	213.6	213.6	214.0	213.9	214.3	214.0	214.0	214.1	213.9
5°	213.2	213.5	213.4	213.4	213.8	213.8	214.0	213.8	213.8	214.0	213.8
5.5°	212.9	213.2	213.3	213.4	213.5	213.7	213.8	213.7	213.6	213.8	213.6
6°	212.7	213.0	212.9	213.1	213.3	213.4	213.8	213.4	213.4	213.6	213.3
6.5°	212.4	212.7	212.7	212.8	213.2	213.2	213.4	213.3	213.2	213.5	213.1
7°	212.2	212.4	212.4	212.5	212.9	213.0	213.0	213.2	212.9	213.2	212.8
7.5°	211.8	212.1	212.0	212.2	212.7	212.7	212.8	212.8	212.8	212.8	212.6
8°	211.5	211.8	211.7	211.8	212.3	212.5	212.6	212.6	212.5	212.6	212.4
8.5°	211.2	211.5	211.5	211.5	212.1	212.2	212.3	212.2	212.2	212.2	212.0
9°	210.8	211.1	211.1	211.2	211.7	211.8	212.1	211.9	211.9	211.9	211.6
9.5°	210.5	210.7	210.6	210.9	211.4	211.5	211.7	211.6	211.6	211.7	211.5
10°	210.1	210.2	210.2	210.4	211.2	211.1	211.4	211.3	211.2	211.4	211.0
10.5°	209.6	209.8	209.9	210.1	210.5	210.8	211.0	210.9	210.8	211.0	210.7
11°	209.2	209.4	209.5	209.5	210.0	210.4	210.7	210.5	210.5	210.6	210.1
11.5°	208.8	208.8	209.0	209.1	209.7	210.0	210.2	210.1	210.0	210.2	209.9
12°	208.4	208.5	208.6	208.6	209.3	209.5	209.8	209.6	209.6	209.7	209.3
12.5°	207.9	207.9	208.0	208.2	208.6	208.9	209.1	209.2	209.2	209.3	208.9
13°	207.3	207.5	207.5	207.7	208.2	208.6	208.8	208.7	208.6	208.8	208.4
13.5°	206.6	206.9	207.0	207.2	207.8	208.1	208.4	208.3	208.2	208.3	207.9
14°	206.2	206.4	206.5	206.7	207.2	207.5	207.9	207.7	207.6	207.8	207.3
14.5°	205.7	205.7	205.9	206.1	206.6	207.0	207.4	207.2	207.2	207.3	206.9
15°	205.1	205.3	205.3	205.4	206.3	206.5	206.9	206.7	206.5	206.8	206.3
15.5°	204.3	204.6	204.7	204.9	205.5	205.8	206.3	206.2	205.9	206.2	205.8
16°	203.8	204.0	204.2	204.2	204.9	205.5	205.7	205.7	205.5	205.7	205.1
16.5°	203.1	203.2	203.5	203.7	204.2	204.8	205.1	205.1	204.9	205.1	204.6
17°	202.4	202.6	202.8	203.0	203.6	204.1	204.4	204.4	204.3	204.3	204.0
17.5°	201.5	202.0	202.2	202.4	203.0	203.4	203.8	203.8	203.8	203.8	203.3
18°	200.9	201.4	201.6	201.7	202.4	202.9	203.2	203.0	203.0	203.0	202.6
18.5°	200.1	200.6	200.8	201.1	201.6	202.2	202.5	202.5	202.4	202.4	202.0
19°	199.5	199.9	200.0	200.3	200.9	201.5	201.8	201.8	201.6	201.7	201.2
19.5°	198.5	199.1	199.3	199.7	200.3	200.8	201.0	201.0	200.9	201.0	200.6
20°	197.9	198.4	198.6	198.9	199.5	200.2	200.2	200.2	200.3	200.2	199.8
20.5°	197.0	197.5	197.8	198.2	198.7	199.3	199.6	199.6	199.7	199.5	199.1
21°	196.3	196.8	197.0	197.3	197.9	198.6	198.7	198.8	198.8	198.7	198.4

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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°	194.1	194.3	194.5	194.9	195.7	196.2	196.6	196.5	196.4	196.6	196.1
23°	193.1	193.5	193.7	193.9	194.8	195.5	195.7	195.8	195.6	195.8	195.2
23.5°	192.2	192.6	192.8	193.1	193.9	194.5	194.9	194.8	194.7	194.9	194.3
24°	191.4	191.7	192.1	192.3	193.0	193.6	194.0	194.0	194.0	194.1	193.4
24.5°	190.5	190.7	191.1	191.4	192.2	192.8	193.2	193.2	193.1	193.1	192.6
25°	189.6	189.9	190.1	190.4	191.3	192.0	192.3	192.2	192.2	192.3	191.7
25.5°	188.5	188.9	189.3	189.7	190.4	191.0	191.4	191.4	191.3	191.4	190.9
26°	187.5	188.1	188.5	188.7	189.5	190.1	190.3	190.6	190.4	190.3	189.9
26.5°	186.7	187.1	187.5	187.8	188.6	189.2	189.5	189.7	189.5	189.5	189.1
27°	185.8	186.1	186.3	186.6	187.6	188.3	188.6	188.7	188.6	188.6	188.1
27.5°	184.6	185.0	185.2	185.8	186.6	187.2	187.6	187.8	187.7	187.6	187.1
28°	183.7	184.1	184.4	184.8	185.7	186.3	186.7	186.7	186.7	186.7	186.1
28.5°	182.8	183.0	183.4	183.8	184.7	185.2	185.7	185.8	185.8	185.7	185.2
29°	181.7	182.1	182.3	182.6	183.8	184.3	184.7	184.7	184.7	184.7	184.1
29.5°	180.6	181.1	181.2	181.7	182.7	183.2	183.7	183.7	183.8	183.7	183.2
30°	179.6	179.9	180.2	180.6	181.7	182.2	182.6	182.7	182.8	182.7	181.9
30.5°	178.4	178.8	179.1	179.6	180.6	181.1	181.5	181.7	181.7	181.5	180.9
31°	177.4	177.7	178.0	178.4	179.5	180.2	180.5	180.6	180.5	180.4	179.9
31.5°	176.2	176.7	176.8	177.3	178.3	179.0	179.3	179.5	179.5	179.3	178.9
32°	175.0	175.5	175.8	176.2	177.2	177.9	178.2	178.3	178.4	178.3	177.7
32.5°	173.8	174.3	174.6	175.1	176.2	176.8	177.2	177.2	177.3	177.1	176.6
33°	172.8	173.1	173.5	174.0	175.0	175.7	176.1	176.1	176.2	176.0	175.4
33.5°	171.6	172.0	172.3	172.8	173.8	174.3	175.0	174.9	175.0	174.8	174.2
34°	170.5	170.8	171.1	171.6	172.7	173.2	173.7	173.8	173.9	173.7	173.0
34.5°	169.3	169.6	169.9	170.4	171.5	172.1	172.5	172.7	172.7	172.5	172.0
35°	168.0	168.4	168.7	169.1	170.3	170.9	171.4	171.4	171.5	171.4	170.6
35.5°	166.8	167.2	167.5	168.1	169.0	169.8	170.2	170.2	170.3	170.1	169.5
36°	165.6	165.9	166.3	166.8	167.7	168.6	169.0	169.1	169.1	168.9	168.3
36.5°	164.4	164.7	165.1	165.6	166.6	167.3	167.8	167.9	168.0	167.8	167.1
37°	163.2	163.5	163.9	164.4	165.4	166.1	166.6	166.8	166.7	166.5	165.8
37.5°	161.9	162.2	162.7	163.2	164.2	165.0	165.2	165.6	165.5	165.3	164.8
38°	160.6	161.0	161.3	161.8	162.9	163.8	164.1	164.4	164.2	164.1	163.4
38.5°	159.3	159.6	160.1	160.6	161.7	162.4	162.9	163.0	163.1	162.8	162.2
39°	157.9	158.3	158.7	159.3	160.4	161.2	161.6	161.8	161.9	161.4	160.8
39.5°	156.6	156.8	157.3	158.0	159.2	159.8	160.3	160.4	160.6	160.2	159.6
40°	155.3	155.7	156.0	156.5	157.8	158.5	158.9	159.2	159.2	158.9	158.2
40.5°	153.8	154.2	154.7	155.3	156.5	157.2	157.5	157.9	157.9	157.6	156.9
41°	152.5	153.0	153.3	153.9	155.2	155.8	156.2	156.5	156.5	156.3	155.4
41.5°	151.2	151.6	152.0	152.6	153.8	154.5	154.8	155.2	155.1	154.9	154.1
42°	149.8	150.2	150.5	151.2	152.5	153.1	153.6	153.8	153.8	153.5	152.8
42.5°	148.3	148.8	149.2	149.9	151.0	151.6	152.3	152.4	152.4	152.2	151.4
43°	146.9	147.5	147.8	148.5	149.7	150.4	150.8	151.0	151.1	150.8	150.0
43.5°	145.6	146.0	146.3	147.0	148.3	148.9	149.4	149.7	149.7	149.4	148.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	141.1	141.7	142.0	142.7	144.1	144.8	145.2	145.4	145.3	145.2	144.4
45.5°	139.6	140.2	140.6	141.3	142.7	143.2	143.8	144.0	143.9	143.8	143.1
46°	138.3	138.8	139.2	139.8	141.1	141.8	142.3	142.5	142.4	142.2	141.5
46.5°	136.8	137.3	137.7	138.3	139.7	140.3	140.7	141.1	141.1	140.8	140.1
47°	135.3	135.8	136.1	136.8	138.1	138.9	139.4	139.7	139.6	139.5	138.7
47.5°	133.8	134.2	134.6	135.4	136.6	137.4	137.8	138.2	138.2	137.9	137.2
48°	132.2	132.7	133.2	133.8	135.0	135.9	136.3	136.7	136.8	136.4	135.6
48.5°	130.7	131.2	131.6	132.2	133.4	134.4	134.9	135.1	135.2	134.9	134.2
49°	129.0	129.7	130.0	130.6	131.9	132.8	133.4	133.6	133.6	133.4	132.6
49.5°	127.6	128.1	128.5	129.2	130.4	131.3	131.9	132.1	132.1	131.9	131.1
50°	125.9	126.4	127.0	127.7	128.8	129.9	130.3	130.6	130.6	130.4	129.5
50.5°	124.3	124.9	125.3	126.1	127.3	128.2	128.7	129.0	129.0	128.8	128.0
51°	122.7	123.3	123.7	124.5	125.8	126.7	127.1	127.5	127.5	127.3	126.4
51.5°	121.2	121.6	122.2	122.8	124.3	125.0	125.6	125.8	125.8	125.7	124.8
52°	119.6	120.1	120.6	121.3	122.6	123.4	124.0	124.3	124.4	124.1	123.2
52.5°	118.0	118.4	119.0	119.7	120.9	121.9	122.5	122.6	122.8	122.4	121.6
53°	116.4	116.9	117.3	118.2	119.3	120.3	120.9	121.1	121.2	120.8	120.1
53.5°	114.9	115.3	115.8	116.3	117.8	118.7	119.1	119.4	119.6	119.2	118.5
54°	113.2	113.7	114.1	114.7	116.1	117.1	117.6	117.7	117.8	117.6	116.8
54.5°	111.5	111.9	112.5	113.2	114.7	115.5	116.0	116.1	116.3	116.0	115.3
55°	109.8	110.3	110.8	111.6	112.9	113.9	114.4	114.6	114.8	114.5	113.8
55.5°	108.1	108.5	109.2	110.0	111.4	112.3	112.8	113.0	113.1	112.8	112.1
56°	106.5	106.9	107.5	108.2	109.7	110.5	111.1	111.3	111.4	111.2	110.4
56.5°	104.8	105.2	105.7	106.5	107.9	108.9	109.4	109.8	109.8	109.5	108.7
57°	103.2	103.5	104.0	104.8	106.3	107.1	107.8	108.0	108.0	107.7	106.9
57.5°	101.3	101.8	102.3	103.2	104.7	105.4	106.1	106.3	106.4	106.1	105.2
58°	99.6	100.0	100.6	101.4	102.9	103.8	104.4	104.7	104.7	104.3	103.6
58.5°	97.8	98.3	98.8	99.7	101.2	102.2	102.7	103.1	103.0	102.7	102.0
59°	96.1	96.6	97.1	97.9	99.5	100.3	100.9	101.4	101.1	100.9	100.2
59.5°	94.2	94.8	95.4	96.3	97.6	98.5	99.2	99.6	99.5	99.2	98.4
60°	92.5	93.1	93.7	94.6	95.9	96.8	97.5	97.9	97.8	97.4	96.7
60.5°	90.9	91.2	91.9	92.8	94.1	95.1	95.7	96.4	96.1	95.7	95.0
61°	89.2	89.6	90.2	91.0	92.4	93.4	93.9	94.5	94.3	94.0	93.2
61.5°	87.3	87.8	88.4	89.2	90.6	91.6	92.2	92.8	92.6	92.2	91.4
62°	85.6	86.1	86.6	87.5	89.0	89.9	90.5	90.9	90.8	90.5	89.8
62.5°	83.7	84.1	84.8	85.6	87.2	88.2	88.8	89.3	89.1	88.7	88.0
63°	81.8	82.3	82.9	83.8	85.5	86.4	87.0	87.4	87.3	86.9	86.1
63.5°	80.0	80.5	81.2	82.0	83.6	84.5	85.2	85.7	85.6	85.1	84.4
64°	78.3	78.7	79.4	80.1	81.8	82.7	83.3	83.9	83.7	83.3	82.5
64.5°	76.4	76.9	77.5	78.4	80.1	80.9	81.5	82.0	81.9	81.5	80.8
65°	74.6	75.1	75.7	76.5	78.2	79.1	79.8	80.1	80.1	79.7	79.0
65.5°	72.7	73.2	73.9	74.7	76.4	77.4	77.9	78.4	78.3	77.9	77.2
66°	70.8	71.3	72.0	72.8	74.8	75.5	76.1	76.6	76.4	76.2	75.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997157

CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	65.3	66.0	66.4	67.3	69.1	70.1	70.6	71.1	71.1	70.5	69.7
68°	63.5	64.1	64.7	65.6	67.2	68.2	68.8	69.2	69.3	68.8	67.9
68.5°	61.6	62.2	62.9	63.7	65.5	66.3	67.0	67.3	67.4	66.9	66.1
69°	59.8	60.4	61.0	61.9	63.7	64.6	65.2	65.5	65.6	65.2	64.3
69.5°	57.9	58.4	59.1	60.0	61.8	62.6	63.3	63.7	63.7	63.3	62.5
70°	56.1	56.6	57.2	58.1	59.9	60.8	61.4	61.8	61.9	61.5	60.6
70.5°	54.1	54.7	55.4	56.2	58.0	59.0	59.6	60.0	60.0	59.6	58.7
71°	52.3	52.9	53.5	54.3	56.1	57.1	57.7	58.2	58.2	57.7	56.9
71.5°	50.5	51.0	51.5	52.4	54.2	55.2	55.8	56.2	56.3	55.9	55.0
72°	48.6	49.2	49.7	50.6	52.4	53.4	53.9	54.3	54.4	54.0	53.2
72.5°	46.8	47.2	47.8	48.7	50.5	51.6	52.1	52.4	52.4	52.1	51.2
73°	44.8	45.4	46.0	46.8	48.6	49.6	50.2	50.6	50.6	50.2	49.4
73.5°	43.0	43.6	44.1	44.9	46.8	47.8	48.3	48.7	48.8	48.4	47.5
74°	41.1	41.7	42.3	43.1	44.9	45.9	46.4	46.8	47.0	46.5	45.7
74.5°	39.4	39.9	40.6	41.3	43.1	44.1	44.6	45.0	45.0	44.6	43.8
75°	37.6	38.0	38.6	39.4	41.2	42.2	42.7	43.1	43.2	42.7	42.0
75.5°	35.7	36.2	36.8	37.6	39.4	40.5	40.9	41.2	41.3	41.0	40.2
76°	34.0	34.4	34.9	35.7	37.6	38.6	39.1	39.4	39.6	39.2	38.3
76.5°	32.1	32.5	33.1	33.8	35.8	36.8	37.2	37.6	37.6	37.4	36.5
77°	30.3	30.8	31.4	32.1	34.0	34.9	35.4	35.8	35.8	35.5	34.7
77.5°	28.7	29.0	29.6	30.3	32.2	33.1	33.6	34.0	34.0	33.7	32.9
78°	26.8	27.2	27.8	28.6	30.4	31.3	31.9	32.2	32.2	31.9	31.1
78.5°	25.1	25.5	26.2	26.8	28.6	29.5	30.1	30.4	30.5	30.2	29.4
79°	23.4	23.8	24.4	25.2	26.9	27.8	28.3	28.6	28.6	28.4	27.6
79.5°	21.7	22.1	22.7	23.4	25.2	26.1	26.5	26.9	26.9	26.6	25.8
80°	20.0	20.4	20.9	21.7	23.4	24.3	24.8	25.2	25.2	24.8	24.1
80.5°	18.5	18.8	19.4	20.0	21.8	22.6	23.1	23.4	23.5	23.2	22.5
81°	16.9	17.2	17.8	18.5	20.1	21.0	21.5	21.7	21.9	21.6	20.8
81.5°	15.5	15.8	16.4	16.9	18.5	19.3	19.8	20.1	20.1	19.9	19.2
82°	14.0	14.3	14.9	15.5	17.0	17.7	18.1	18.5	18.5	18.2	17.5
82.5°	12.5	12.8	13.4	14.1	15.6	16.2	16.6	16.9	16.9	16.7	16.0
83°	11.1	11.5	12.0	12.6	14.1	14.8	15.2	15.5	15.5	15.2	14.7
83.5°	9.8	10.1	10.6	11.2	12.6	13.4	13.8	14.0	14.0	13.8	13.2
84°	8.5	8.8	9.4	9.9	11.2	11.9	12.2	12.5	12.6	12.4	11.7
84.5°	7.3	7.5	8.1	8.6	9.8	10.5	10.9	11.1	11.2	11.0	10.4
85°	6.2	6.4	6.9	7.4	8.6	9.2	9.6	9.7	9.8	9.6	9.1
85.5°	5.1	5.4	5.9	6.3	7.3	7.9	8.2	8.5	8.5	8.3	7.8
86°	4.1	4.5	4.9	5.2	6.3	6.7	7.0	7.3	7.3	7.1	6.6
86.5°	3.2	3.5	4.0	4.3	5.1	5.6	5.9	6.0	6.1	5.9	5.6
87°	2.5	2.7	3.1	3.4	4.1	4.5	4.8	5.0	5.0	4.9	4.5
87.5°	1.8	2.1	2.4	2.6	3.3	3.6	3.8	4.0	4.0	3.9	3.5
88°	1.3	1.5	1.8	2.0	2.4	2.8	3.0	3.2	3.2	3.0	2.7
88.5°	0.9	1.0	1.2	1.4	1.6	1.9	2.1	2.2	2.3	2.2	1.9

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

Scaled Data Report



TEST NUMBER: P997157
CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

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: P997157

CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	214.6	214.6	214.6	214.6	214.6	214.6
0.5°	214.5	214.7	214.5	214.5	214.5	214.4
1°	214.4	214.5	214.4	214.6	214.4	214.4
1.5°	214.2	214.5	214.4	214.5	214.3	214.2
2°	214.3	214.5	214.3	214.5	214.2	214.1
2.5°	214.2	214.4	214.3	214.4	214.1	214.0
3°	214.2	214.4	214.3	214.2	214.1	213.9
3.5°	214.2	214.3	214.1	214.1	213.8	213.9
4°	214.0	213.9	213.9	213.9	213.6	213.7
4.5°	213.8	213.9	213.7	213.5	213.3	213.5
5°	213.7	213.7	213.6	213.5	213.0	213.2
5.5°	213.5	213.3	213.2	213.2	212.9	212.9
6°	213.2	213.0	212.9	213.0	212.8	212.7
6.5°	212.9	212.8	212.7	212.8	212.5	212.4
7°	212.7	212.6	212.4	212.5	212.3	212.2
7.5°	212.3	212.4	212.1	212.1	211.9	211.8
8°	212.0	212.1	211.8	211.8	211.6	211.5
8.5°	211.7	211.8	211.4	211.5	211.2	211.2
9°	211.4	211.4	211.1	211.0	210.8	210.8
9.5°	211.1	211.0	210.7	210.7	210.5	210.5
10°	210.8	210.7	210.3	210.3	209.9	210.1
10.5°	210.4	210.4	209.9	209.9	209.4	209.6
11°	210.0	209.9	209.5	209.4	209.0	209.2
11.5°	209.7	209.5	209.0	209.0	208.5	208.8
12°	209.2	209.1	208.6	208.5	208.1	208.4
12.5°	208.6	208.6	208.2	207.9	207.6	207.9
13°	208.2	208.1	207.6	207.5	207.2	207.3
13.5°	207.7	207.5	207.0	207.0	206.7	206.6
14°	207.1	207.0	206.6	206.3	206.1	206.2
14.5°	206.6	206.5	206.0	205.8	205.7	205.7
15°	206.0	205.7	205.3	205.4	205.1	205.1
15.5°	205.4	205.2	204.8	204.6	204.3	204.3
16°	204.9	204.6	204.0	204.0	203.7	203.8
16.5°	204.3	204.0	203.5	203.3	203.0	203.1
17°	203.6	203.3	202.9	202.7	202.4	202.4
17.5°	203.0	202.6	202.1	202.1	201.6	201.5
18°	202.4	202.0	201.4	201.4	201.1	200.9
18.5°	201.8	201.3	200.8	200.7	200.3	200.1
19°	201.0	200.7	200.1	199.9	199.5	199.5
19.5°	200.2	199.8	199.3	199.2	198.8	198.5
20°	199.5	199.1	198.6	198.3	198.1	197.9
20.5°	198.7	198.3	197.9	197.4	197.3	197.0
21°	197.9	197.5	197.1	196.8	196.6	196.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997157

CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	195.6	195.0	194.7	194.3	193.9	194.1
23°	194.8	194.2	193.8	193.5	193.1	193.1
23.5°	193.9	193.4	193.0	192.4	192.1	192.2
24°	193.1	192.4	192.1	191.7	191.3	191.4
24.5°	192.1	191.5	191.2	190.7	190.5	190.5
25°	191.2	190.7	190.1	189.9	189.7	189.6
25.5°	190.4	189.8	189.3	189.0	188.7	188.5
26°	189.5	188.9	188.4	188.1	187.7	187.5
26.5°	188.5	188.0	187.4	187.1	186.7	186.7
27°	187.5	187.1	186.3	186.2	185.8	185.8
27.5°	186.6	186.0	185.5	185.2	184.7	184.6
28°	185.6	185.0	184.4	184.2	183.6	183.7
28.5°	184.6	183.9	183.4	183.0	182.6	182.8
29°	183.6	182.9	182.3	182.1	181.5	181.7
29.5°	182.5	181.9	181.3	181.0	180.4	180.6
30°	181.4	180.9	180.4	180.0	179.4	179.6
30.5°	180.3	179.8	179.3	178.9	178.3	178.4
31°	179.3	178.7	178.1	177.6	177.2	177.4
31.5°	178.2	177.6	177.1	176.6	176.0	176.2
32°	177.1	176.4	175.8	175.5	175.0	175.0
32.5°	176.1	175.3	174.7	174.2	173.8	173.8
33°	174.9	174.2	173.8	173.2	172.7	172.8
33.5°	173.8	173.0	172.5	171.9	171.6	171.6
34°	172.5	171.9	171.3	170.9	170.4	170.5
34.5°	171.4	170.6	170.1	169.6	169.0	169.3
35°	170.2	169.5	168.8	168.3	167.9	168.0
35.5°	169.1	168.2	167.7	167.1	166.6	166.8
36°	167.8	167.0	166.3	165.9	165.5	165.6
36.5°	166.5	165.7	165.1	164.6	164.3	164.4
37°	165.3	164.6	164.0	163.5	162.9	163.2
37.5°	164.1	163.3	162.8	162.2	161.7	161.9
38°	162.9	162.1	161.4	160.9	160.4	160.6
38.5°	161.6	160.8	160.2	159.6	159.1	159.3
39°	160.2	159.4	158.7	158.2	157.9	157.9
39.5°	159.0	158.2	157.4	156.8	156.6	156.6
40°	157.6	157.0	156.0	155.7	155.2	155.3
40.5°	156.3	155.6	154.6	154.2	153.7	153.8
41°	154.8	154.2	153.3	153.0	152.5	152.5
41.5°	153.6	152.8	152.0	151.5	151.1	151.2
42°	152.3	151.5	150.6	150.0	149.6	149.8
42.5°	150.9	150.0	149.2	148.8	148.2	148.3
43°	149.4	148.7	147.8	147.2	146.8	146.9
43.5°	148.0	147.2	146.3	145.7	145.4	145.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997157

CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	143.8	142.8	141.9	141.6	141.0	141.1
45.5°	142.3	141.3	140.6	140.1	139.6	139.6
46°	140.8	139.9	139.2	138.6	138.2	138.3
46.5°	139.4	138.4	137.6	137.2	136.7	136.8
47°	137.9	137.0	136.1	135.6	135.2	135.3
47.5°	136.4	135.6	134.7	134.1	133.7	133.8
48°	134.9	134.0	133.2	132.5	132.2	132.2
48.5°	133.4	132.5	131.6	131.0	130.6	130.7
49°	131.9	130.9	130.1	129.4	129.1	129.0
49.5°	130.3	129.4	128.6	127.9	127.6	127.6
50°	128.8	127.8	126.9	126.3	125.9	125.9
50.5°	127.3	126.3	125.4	124.7	124.4	124.3
51°	125.6	124.6	123.7	123.1	122.8	122.7
51.5°	124.1	123.2	122.2	121.7	121.2	121.2
52°	122.5	121.7	120.5	119.9	119.6	119.6
52.5°	120.9	120.0	118.9	118.5	117.9	118.0
53°	119.3	118.4	117.2	116.8	116.3	116.4
53.5°	117.7	116.6	115.6	115.2	114.8	114.9
54°	116.1	115.1	114.0	113.6	113.1	113.2
54.5°	114.5	113.5	112.5	111.9	111.5	111.5
55°	113.0	111.9	110.8	110.2	109.8	109.8
55.5°	111.2	110.0	109.1	108.6	108.2	108.1
56°	109.7	108.4	107.5	106.8	106.4	106.5
56.5°	107.9	106.7	105.8	105.2	104.9	104.8
57°	106.3	105.0	104.0	103.4	103.1	103.2
57.5°	104.6	103.3	102.3	101.7	101.4	101.3
58°	103.0	101.6	100.6	100.0	99.7	99.6
58.5°	101.2	99.8	98.8	98.3	97.9	97.8
59°	99.6	98.1	97.1	96.6	96.2	96.1
59.5°	97.7	96.3	95.2	94.7	94.3	94.2
60°	96.0	94.6	93.5	93.1	92.6	92.5
60.5°	94.3	92.7	91.8	91.2	90.8	90.9
61°	92.6	91.1	90.1	89.5	89.2	89.2
61.5°	90.9	89.2	88.3	87.8	87.4	87.3
62°	89.1	87.4	86.5	86.0	85.5	85.6
62.5°	87.4	85.5	84.6	84.1	83.7	83.7
63°	85.6	83.9	82.8	82.4	81.9	81.8
63.5°	83.8	81.9	81.0	80.4	80.1	80.0
64°	82.0	80.2	79.2	78.7	78.2	78.3
64.5°	80.1	78.3	77.4	76.9	76.4	76.4
65°	78.3	76.6	75.6	75.1	74.6	74.6
65.5°	76.4	74.6	73.7	73.1	72.7	72.7
66°	74.6	72.9	71.9	71.2	71.0	70.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997157

CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	69.0	67.3	66.3	65.8	65.5	65.3
68°	67.1	65.5	64.5	63.9	63.6	63.5
68.5°	65.4	63.6	62.7	62.0	61.7	61.6
69°	63.5	61.8	60.8	60.2	60.0	59.8
69.5°	61.7	59.8	59.0	58.4	58.0	57.9
70°	59.8	58.0	57.1	56.5	56.2	56.1
70.5°	58.0	56.2	55.3	54.6	54.2	54.1
71°	56.2	54.4	53.4	52.8	52.4	52.3
71.5°	54.2	52.4	51.5	50.9	50.4	50.5
72°	52.3	50.6	49.6	49.0	48.6	48.6
72.5°	50.5	48.7	47.8	47.1	46.7	46.8
73°	48.6	46.8	45.9	45.3	44.8	44.8
73.5°	46.7	44.9	44.1	43.4	42.9	43.0
74°	44.8	43.2	42.2	41.6	41.2	41.1
74.5°	43.0	41.3	40.4	39.9	39.2	39.4
75°	41.2	39.3	38.6	37.9	37.6	37.6
75.5°	39.4	37.6	36.7	36.0	35.6	35.7
76°	37.6	35.8	34.9	34.2	33.9	34.0
76.5°	35.8	33.9	33.0	32.4	32.1	32.1
77°	34.0	32.2	31.3	30.6	30.2	30.3
77.5°	32.2	30.4	29.5	28.9	28.5	28.7
78°	30.3	28.7	27.7	27.1	26.7	26.8
78.5°	28.5	26.9	26.0	25.5	25.0	25.1
79°	26.8	25.2	24.2	23.6	23.3	23.4
79.5°	25.2	23.5	22.6	22.0	21.7	21.7
80°	23.5	21.8	20.9	20.4	20.0	20.0
80.5°	21.7	20.1	19.4	18.8	18.4	18.5
81°	20.1	18.5	17.7	17.1	16.8	16.9
81.5°	18.6	17.0	16.3	15.8	15.5	15.5
82°	17.0	15.6	14.8	14.2	13.9	14.0
82.5°	15.5	14.1	13.3	12.8	12.5	12.5
83°	14.1	12.7	11.8	11.4	11.1	11.1
83.5°	12.6	11.2	10.5	10.1	9.8	9.8
84°	11.2	9.9	9.3	8.8	8.5	8.5
84.5°	9.8	8.6	8.0	7.6	7.3	7.3
85°	8.6	7.4	6.9	6.4	6.2	6.2
85.5°	7.4	6.3	5.6	5.4	5.1	5.1
86°	6.2	5.2	4.7	4.4	4.1	4.1
86.5°	5.1	4.2	3.9	3.5	3.3	3.2
87°	4.1	3.4	2.9	2.7	2.5	2.5
87.5°	3.2	2.6	2.2	2.0	1.9	1.8
88°	2.4	1.9	1.6	1.4	1.3	1.3
88.5°	1.6	1.4	1.1	0.9	0.9	0.9

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Scaled Data Report



TEST NUMBER: P997157
CATALOG NUMBER: SMX4SLSFS010-650LM-3000K

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°	195.4	196.0	196.2	196.4	197.3	197.8	198.0	198.2	198.0	197.9	197.6
22°	195.0	195.2	195.3	195.7	196.5	197.2	197.1	197.4	197.2	197.3	196.8



44°	144.1	144.6	144.9	145.5	146.8	147.6	148.0	148.3	148.2	148.0	147.2
44.5°	142.6	143.2	143.5	144.1	145.5	146.2	146.5	146.9	146.8	146.6	145.9

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66.5°	69.0	69.5	70.1	71.0	72.7	73.6	74.3	74.8	74.7	74.2	73.5
67°	67.0	67.7	68.3	69.1	70.9	71.9	72.4	72.9	72.8	72.3	71.7



89°	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.6	1.5	1.3
89.5°	0.2	0.3	0.5	0.6	0.5	0.7	0.9	1.1	1.0	1.0	0.7

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21.5°	197.1	196.6	196.2	196.2	195.6	195.4
22°	196.4	195.9	195.4	195.2	194.6	195.0

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44°	146.6	145.7	144.9	144.3	144.1	144.1
44.5°	145.2	144.3	143.4	143.0	142.5	142.6

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66.5°	72.8	70.9	70.0	69.3	69.1	69.0
67°	71.0	69.1	68.3	67.6	67.3	67.0

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89°	1.1	0.9	0.7	0.6	0.5	0.5
89.5°	0.5	0.6	0.4	0.3	0.2	0.2

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(END OF REPORT)