

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: P997160

Luminaire Tested: **SMX4SLSF010-650LM-5000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997160
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-5000K
Description: 4IN SQAURE, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

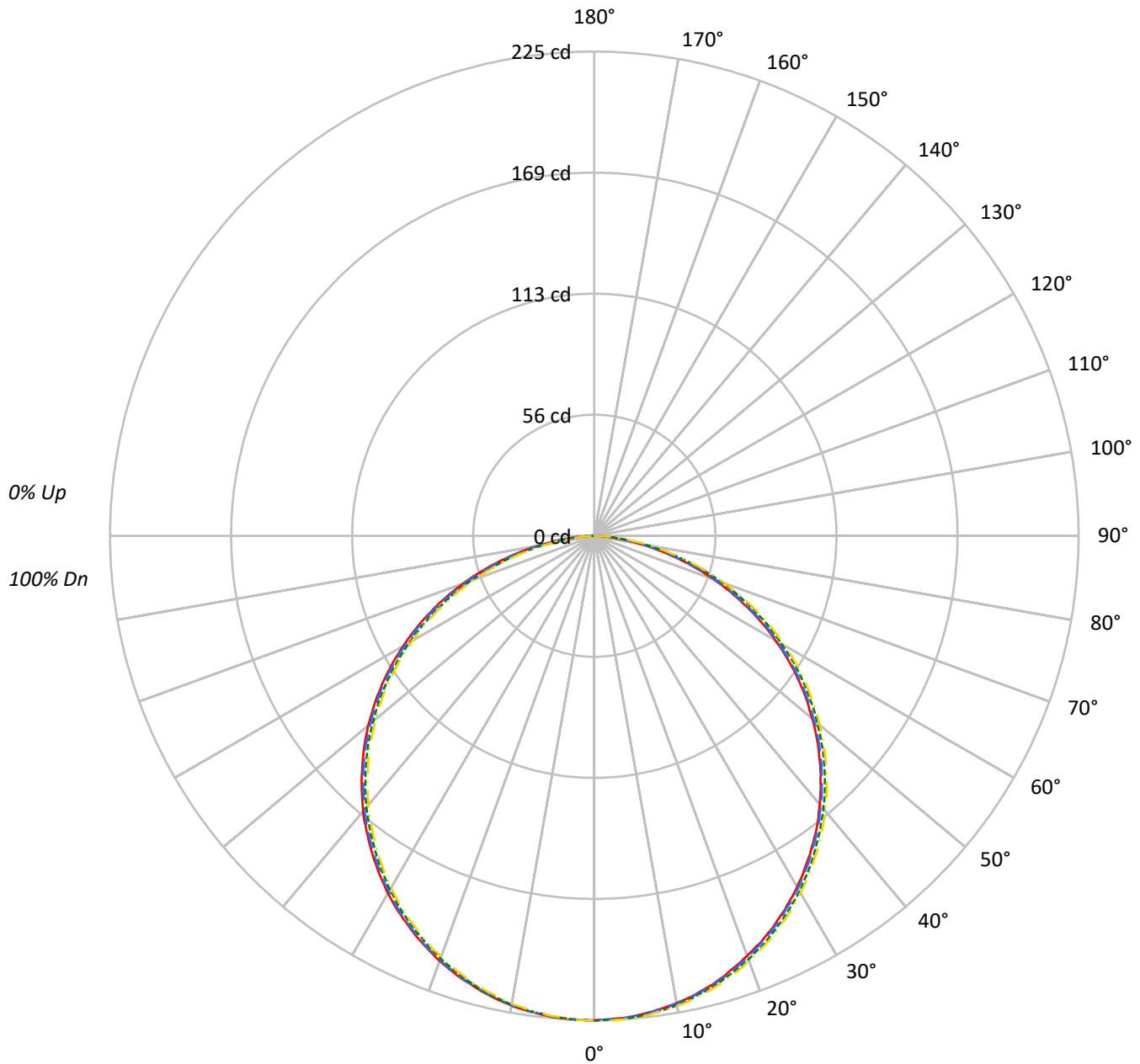
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 642.9 lumens
Efficiency: N/A
Efficacy: 95.9 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): 6.7
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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CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

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°	22259	22259	22259	22259
5°	22205	22265	22265	22255
10°	22131	22241	22251	22201
15°	22031	22154	22175	22093
20°	21847	22026	22110	21984
25°	21703	21888	21997	21823
30°	21514	21765	21891	21662
35°	21273	21563	21720	21466
40°	21032	21367	21561	21264
45°	20702	21135	21317	20954
50°	20313	20790	21082	20621
55°	19852	20421	20765	20231
60°	19195	19887	20302	19610
65°	18313	19202	19669	18804
70°	17022	18149	18756	17600
75°	15047	16498	17300	15772
80°	11953	14003	15027	13035
85°	7372	10207	11681	8732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	3.3
10°-20°	61.0	9.5
20°-30°	92.4	14.4
30°-40°	111.5	17.3
40°-50°	116.0	18.0
50°-60°	105.2	16.4
60°-70°	80.3	12.5
70°-80°	44.8	7.0
80°-90°	10.4	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°	174.7	27.2
0°-40°	286.2	44.5
0°-60°	507.4	78.9
0°-90°	642.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	225	225	225	225	225	
5°	224	224	224	224	224	21
15°	215	216	217	216	215	61
25°	199	201	202	200	199	92
35°	176	179	180	178	176	110
45°	148	151	152	150	148	114
55°	115	118	120	117	115	103
65°	78	82	84	80	78	77
75°	39	43	45	41	39	42
85°	6	9	10	8	6	9
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°	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2
0.5°	225.0	225.0	225.2	225.1	225.2	225.1	225.4	225.2	225.2	225.2	225.1
1°	225.0	225.0	225.0	225.0	225.2	225.0	225.4	225.2	225.2	225.2	225.1
1.5°	224.8	225.1	224.9	224.9	225.1	225.2	225.4	225.2	225.1	225.1	225.1
2°	224.7	225.0	224.9	224.8	225.0	225.2	225.4	225.1	225.0	225.1	225.0
2.5°	224.6	224.9	224.8	224.8	225.0	225.1	225.2	225.1	225.0	225.1	225.0
3°	224.5	224.8	224.7	224.7	225.0	224.9	225.2	225.0	224.9	224.9	224.9
3.5°	224.5	224.7	224.5	224.6	224.8	224.7	225.2	224.8	224.7	224.9	224.8
4°	224.3	224.5	224.5	224.4	224.9	224.7	224.9	224.7	224.6	224.8	224.5
4.5°	224.0	224.3	224.2	224.2	224.6	224.5	224.9	224.6	224.6	224.7	224.4
5°	223.8	224.1	224.0	224.0	224.4	224.4	224.6	224.4	224.4	224.6	224.4
5.5°	223.5	223.7	223.8	223.9	224.1	224.3	224.4	224.3	224.2	224.4	224.1
6°	223.2	223.5	223.5	223.7	223.8	224.0	224.4	224.0	223.9	224.1	223.8
6.5°	222.9	223.3	223.2	223.4	223.7	223.7	224.0	223.8	223.8	224.0	223.7
7°	222.7	223.0	222.9	223.1	223.5	223.5	223.6	223.7	223.4	223.8	223.3
7.5°	222.3	222.6	222.5	222.7	223.3	223.2	223.3	223.4	223.3	223.4	223.1
8°	222.0	222.3	222.2	222.3	222.9	223.0	223.2	223.1	223.0	223.1	222.9
8.5°	221.7	221.9	221.9	222.0	222.6	222.7	222.8	222.7	222.7	222.8	222.5
9°	221.2	221.6	221.6	221.6	222.2	222.3	222.6	222.4	222.4	222.4	222.1
9.5°	220.9	221.1	221.1	221.3	221.9	221.9	222.2	222.0	222.1	222.2	222.0
10°	220.5	220.6	220.7	220.8	221.6	221.6	221.9	221.7	221.7	221.9	221.4
10.5°	220.0	220.1	220.3	220.5	220.9	221.2	221.4	221.3	221.2	221.4	221.1
11°	219.6	219.8	219.8	219.9	220.4	220.8	221.1	220.9	220.9	221.0	220.5
11.5°	219.2	219.2	219.3	219.4	220.1	220.4	220.6	220.5	220.4	220.6	220.3
12°	218.7	218.8	218.9	219.0	219.6	219.9	220.1	220.0	219.9	220.0	219.7
12.5°	218.2	218.2	218.3	218.5	219.0	219.2	219.5	219.6	219.5	219.7	219.3
13°	217.6	217.8	217.8	218.0	218.5	218.9	219.1	219.0	219.0	219.2	218.7
13.5°	216.9	217.2	217.3	217.4	218.1	218.4	218.7	218.6	218.5	218.6	218.2
14°	216.4	216.6	216.7	217.0	217.5	217.8	218.2	218.0	217.9	218.0	217.6
14.5°	215.9	215.9	216.1	216.3	216.8	217.2	217.6	217.4	217.4	217.5	217.1
15°	215.3	215.4	215.5	215.6	216.5	216.7	217.1	217.0	216.7	217.0	216.5
15.5°	214.5	214.7	214.9	215.0	215.7	216.0	216.5	216.4	216.1	216.4	216.0
16°	213.9	214.0	214.3	214.3	215.0	215.6	215.9	215.9	215.6	215.9	215.3
16.5°	213.2	213.3	213.6	213.7	214.3	214.9	215.3	215.2	215.1	215.2	214.8
17°	212.4	212.7	212.9	213.1	213.7	214.2	214.5	214.5	214.4	214.4	214.0
17.5°	211.5	212.0	212.2	212.4	213.0	213.5	213.9	213.9	213.9	213.9	213.4
18°	210.8	211.4	211.6	211.6	212.4	212.9	213.3	213.0	213.0	213.1	212.6
18.5°	210.0	210.5	210.7	211.1	211.6	212.2	212.6	212.5	212.4	212.4	212.0
19°	209.4	209.8	209.9	210.3	210.8	211.5	211.8	211.8	211.6	211.7	211.2
19.5°	208.4	209.0	209.2	209.5	210.2	210.7	210.9	211.0	210.9	210.9	210.5
20°	207.7	208.2	208.4	208.8	209.4	210.1	210.1	210.1	210.2	210.1	209.7
20.5°	206.8	207.3	207.6	208.0	208.6	209.2	209.5	209.5	209.5	209.3	209.0
21°	206.1	206.5	206.7	207.0	207.7	208.4	208.6	208.6	208.6	208.5	208.2

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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°	203.7	203.9	204.1	204.5	205.4	205.9	206.3	206.3	206.1	206.3	205.8
23°	202.7	203.1	203.3	203.5	204.5	205.2	205.4	205.5	205.2	205.4	204.8
23.5°	201.7	202.1	202.3	202.7	203.5	204.1	204.6	204.5	204.4	204.6	203.9
24°	200.9	201.2	201.6	201.8	202.6	203.2	203.7	203.6	203.6	203.7	203.0
24.5°	200.0	200.2	200.5	200.8	201.7	202.3	202.8	202.8	202.6	202.7	202.1
25°	199.0	199.3	199.6	199.8	200.7	201.5	201.8	201.8	201.7	201.8	201.2
25.5°	197.8	198.3	198.6	199.1	199.8	200.5	200.9	200.8	200.7	200.9	200.3
26°	196.8	197.4	197.8	198.1	198.9	199.5	199.8	200.0	199.8	199.8	199.3
26.5°	195.9	196.4	196.7	197.1	197.9	198.6	198.9	199.1	198.9	198.9	198.5
27°	195.0	195.3	195.5	196.1	196.9	197.6	198.0	198.0	197.9	198.0	197.4
27.5°	193.7	194.2	194.4	195.0	195.9	196.5	196.9	197.1	197.0	196.9	196.4
28°	192.8	193.2	193.5	193.9	194.8	195.5	195.9	195.9	196.0	195.9	195.4
28.5°	191.8	192.1	192.4	192.8	193.8	194.4	194.9	195.0	195.0	194.9	194.3
29°	190.7	191.1	191.3	191.7	192.8	193.4	193.8	193.8	193.9	193.8	193.2
29.5°	189.5	190.1	190.2	190.7	191.8	192.2	192.8	192.8	192.9	192.7	192.2
30°	188.5	188.8	189.1	189.5	190.7	191.2	191.6	191.7	191.8	191.7	190.9
30.5°	187.2	187.6	188.0	188.5	189.5	190.1	190.5	190.7	190.7	190.5	189.8
31°	186.2	186.5	186.8	187.2	188.3	189.1	189.4	189.5	189.5	189.4	188.8
31.5°	185.0	185.4	185.5	186.1	187.1	187.8	188.2	188.4	188.3	188.2	187.7
32°	183.7	184.2	184.5	184.9	186.0	186.7	187.0	187.1	187.2	187.1	186.5
32.5°	182.4	182.9	183.3	183.8	184.9	185.5	185.9	185.9	186.1	185.9	185.4
33°	181.3	181.7	182.1	182.6	183.7	184.4	184.9	184.9	185.0	184.7	184.0
33.5°	180.1	180.5	180.8	181.4	182.4	182.9	183.6	183.6	183.6	183.5	182.8
34°	178.9	179.2	179.6	180.1	181.3	181.8	182.3	182.4	182.5	182.3	181.6
34.5°	177.6	178.0	178.3	178.9	180.0	180.6	181.0	181.2	181.3	181.1	180.5
35°	176.3	176.7	177.0	177.5	178.7	179.4	179.9	179.9	180.0	179.9	179.1
35.5°	175.1	175.5	175.8	176.4	177.3	178.2	178.6	178.7	178.8	178.5	177.9
36°	173.8	174.1	174.6	175.1	176.0	177.0	177.3	177.4	177.5	177.3	176.6
36.5°	172.6	172.9	173.3	173.8	174.9	175.5	176.1	176.2	176.3	176.1	175.4
37°	171.3	171.6	172.0	172.5	173.6	174.3	174.8	175.0	174.9	174.7	174.0
37.5°	169.9	170.3	170.7	171.3	172.4	173.2	173.4	173.8	173.7	173.5	173.0
38°	168.6	168.9	169.3	169.8	171.0	171.9	172.2	172.5	172.4	172.2	171.5
38.5°	167.2	167.5	168.0	168.5	169.7	170.5	170.9	171.1	171.1	170.9	170.2
39°	165.7	166.1	166.5	167.2	168.3	169.2	169.6	169.8	169.9	169.4	168.8
39.5°	164.3	164.6	165.1	165.8	167.1	167.7	168.2	168.4	168.5	168.2	167.5
40°	163.0	163.4	163.7	164.2	165.6	166.3	166.8	167.1	167.1	166.7	166.1
40.5°	161.5	161.9	162.3	163.0	164.2	164.9	165.3	165.7	165.7	165.4	164.7
41°	160.1	160.5	160.9	161.5	162.9	163.5	163.9	164.3	164.2	164.1	163.1
41.5°	158.6	159.1	159.5	160.2	161.4	162.1	162.5	162.9	162.8	162.6	161.7
42°	157.2	157.7	157.9	158.7	160.0	160.7	161.2	161.4	161.4	161.1	160.4
42.5°	155.6	156.1	156.6	157.3	158.5	159.1	159.9	160.0	160.0	159.7	158.9
43°	154.2	154.8	155.1	155.8	157.1	157.8	158.3	158.5	158.5	158.3	157.4
43.5°	152.8	153.2	153.6	154.3	155.6	156.3	156.8	157.1	157.1	156.8	156.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	148.1	148.7	149.1	149.8	151.2	151.9	152.4	152.6	152.5	152.4	151.6
45.5°	146.5	147.2	147.5	148.3	149.7	150.3	150.9	151.1	151.0	150.9	150.2
46°	145.1	145.7	146.1	146.7	148.1	148.9	149.3	149.6	149.5	149.3	148.5
46.5°	143.6	144.1	144.5	145.1	146.6	147.3	147.7	148.1	148.0	147.8	147.1
47°	142.0	142.5	142.8	143.6	145.0	145.8	146.3	146.7	146.5	146.4	145.5
47.5°	140.4	140.8	141.3	142.1	143.3	144.2	144.6	145.1	145.0	144.7	144.0
48°	138.8	139.2	139.8	140.4	141.6	142.6	143.0	143.5	143.5	143.2	142.3
48.5°	137.2	137.6	138.1	138.8	140.1	141.1	141.6	141.8	141.9	141.6	140.8
49°	135.4	136.1	136.5	137.1	138.4	139.4	140.0	140.2	140.2	140.0	139.2
49.5°	133.9	134.4	134.9	135.6	136.8	137.8	138.4	138.7	138.6	138.4	137.6
50°	132.1	132.7	133.2	134.0	135.2	136.3	136.7	137.1	137.1	136.8	135.9
50.5°	130.4	131.0	131.5	132.3	133.6	134.6	135.0	135.4	135.4	135.1	134.3
51°	128.7	129.4	129.9	130.6	132.0	133.0	133.4	133.8	133.8	133.6	132.6
51.5°	127.2	127.7	128.2	128.9	130.4	131.2	131.9	132.0	132.1	131.9	131.0
52°	125.6	126.1	126.6	127.3	128.7	129.5	130.2	130.5	130.5	130.2	129.3
52.5°	123.9	124.3	124.9	125.6	126.9	127.9	128.5	128.7	128.8	128.5	127.6
53°	122.2	122.7	123.1	124.0	125.2	126.3	126.8	127.1	127.2	126.8	126.0
53.5°	120.6	121.0	121.5	122.1	123.6	124.5	125.0	125.3	125.5	125.1	124.4
54°	118.8	119.3	119.8	120.4	121.8	122.9	123.4	123.5	123.7	123.4	122.6
54.5°	117.1	117.5	118.1	118.8	120.3	121.2	121.7	121.9	122.0	121.8	121.0
55°	115.2	115.8	116.3	117.1	118.5	119.6	120.1	120.3	120.5	120.1	119.4
55.5°	113.5	113.9	114.6	115.4	116.9	117.8	118.4	118.6	118.7	118.4	117.7
56°	111.8	112.2	112.8	113.6	115.2	116.0	116.6	116.8	116.9	116.7	115.8
56.5°	110.0	110.4	111.0	111.8	113.3	114.3	114.9	115.2	115.2	114.9	114.1
57°	108.3	108.7	109.2	110.0	111.6	112.4	113.2	113.3	113.4	113.0	112.2
57.5°	106.4	106.8	107.4	108.3	109.9	110.6	111.4	111.6	111.7	111.3	110.5
58°	104.6	105.0	105.6	106.4	108.0	109.0	109.5	109.8	109.9	109.5	108.7
58.5°	102.7	103.2	103.7	104.6	106.2	107.3	107.8	108.2	108.1	107.8	107.0
59°	100.8	101.4	102.0	102.8	104.4	105.3	105.9	106.4	106.1	105.9	105.2
59.5°	98.9	99.5	100.1	101.0	102.4	103.4	104.1	104.6	104.4	104.1	103.3
60°	97.1	97.7	98.4	99.2	100.6	101.6	102.3	102.8	102.7	102.3	101.5
60.5°	95.4	95.8	96.4	97.3	98.7	99.8	100.5	101.1	100.9	100.5	99.7
61°	93.6	94.1	94.7	95.5	96.9	98.0	98.6	99.2	99.0	98.7	97.8
61.5°	91.7	92.2	92.8	93.6	95.1	96.1	96.8	97.4	97.2	96.8	95.9
62°	89.8	90.3	90.9	91.8	93.4	94.4	95.0	95.4	95.3	95.0	94.2
62.5°	87.9	88.3	89.0	89.8	91.5	92.5	93.2	93.7	93.5	93.1	92.3
63°	85.9	86.4	87.0	88.0	89.7	90.7	91.3	91.7	91.7	91.2	90.3
63.5°	84.0	84.5	85.2	86.1	87.8	88.7	89.4	89.9	89.8	89.3	88.5
64°	82.2	82.6	83.3	84.0	85.9	86.8	87.4	88.0	87.9	87.4	86.6
64.5°	80.2	80.7	81.4	82.2	84.0	84.9	85.6	86.1	86.0	85.5	84.8
65°	78.3	78.8	79.4	80.3	82.1	83.0	83.7	84.1	84.1	83.7	82.9
65.5°	76.3	76.8	77.6	78.4	80.1	81.3	81.8	82.3	82.2	81.8	81.0
66°	74.3	74.9	75.5	76.4	78.5	79.2	79.8	80.4	80.2	79.9	79.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997160

CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	68.6	69.2	69.7	70.6	72.5	73.6	74.1	74.6	74.6	74.0	73.2
68°	66.6	67.3	67.9	68.8	70.6	71.5	72.2	72.6	72.7	72.2	71.3
68.5°	64.6	65.3	66.0	66.9	68.8	69.6	70.3	70.6	70.7	70.2	69.3
69°	62.7	63.3	64.0	64.9	66.8	67.8	68.4	68.8	68.8	68.4	67.5
69.5°	60.8	61.3	62.0	62.9	64.8	65.7	66.5	66.9	66.8	66.4	65.6
70°	58.9	59.5	60.0	60.9	62.8	63.8	64.4	64.8	64.9	64.5	63.6
70.5°	56.8	57.4	58.1	59.0	60.9	61.9	62.6	62.9	63.0	62.5	61.7
71°	54.9	55.5	56.1	57.0	58.9	59.9	60.5	61.0	61.1	60.5	59.7
71.5°	53.0	53.5	54.1	55.0	56.8	58.0	58.6	59.0	59.0	58.7	57.7
72°	51.0	51.6	52.2	53.1	54.9	56.1	56.6	57.0	57.1	56.7	55.8
72.5°	49.1	49.6	50.2	51.1	53.0	54.1	54.7	55.0	55.0	54.7	53.7
73°	47.1	47.6	48.3	49.1	51.0	52.1	52.7	53.1	53.1	52.7	51.8
73.5°	45.2	45.7	46.3	47.2	49.1	50.2	50.7	51.1	51.2	50.8	49.8
74°	43.2	43.8	44.4	45.2	47.1	48.2	48.7	49.1	49.3	48.8	47.9
74.5°	41.3	41.9	42.6	43.4	45.2	46.3	46.8	47.2	47.2	46.8	46.0
75°	39.4	39.9	40.5	41.3	43.2	44.3	44.8	45.3	45.3	44.8	44.1
75.5°	37.5	38.0	38.6	39.4	41.4	42.5	43.0	43.2	43.4	43.0	42.2
76°	35.6	36.1	36.6	37.5	39.5	40.5	41.0	41.4	41.5	41.1	40.2
76.5°	33.6	34.2	34.8	35.5	37.6	38.6	39.1	39.5	39.5	39.3	38.3
77°	31.9	32.3	32.9	33.6	35.7	36.6	37.2	37.5	37.6	37.3	36.4
77.5°	30.1	30.4	31.0	31.8	33.8	34.8	35.3	35.7	35.6	35.3	34.6
78°	28.2	28.5	29.2	30.0	31.9	32.9	33.5	33.8	33.8	33.4	32.7
78.5°	26.4	26.7	27.5	28.2	30.0	31.0	31.5	31.9	32.0	31.7	30.8
79°	24.5	24.9	25.6	26.4	28.2	29.2	29.7	30.0	30.0	29.8	29.0
79.5°	22.8	23.2	23.8	24.6	26.4	27.4	27.8	28.2	28.2	27.9	27.1
80°	21.0	21.4	22.0	22.8	24.6	25.5	26.0	26.4	26.4	26.1	25.3
80.5°	19.4	19.7	20.3	21.0	22.9	23.8	24.2	24.6	24.7	24.4	23.6
81°	17.8	18.1	18.7	19.4	21.1	22.0	22.6	22.8	23.0	22.6	21.9
81.5°	16.3	16.6	17.2	17.8	19.5	20.3	20.8	21.0	21.1	20.9	20.1
82°	14.7	15.0	15.6	16.3	17.8	18.6	19.0	19.4	19.4	19.1	18.4
82.5°	13.1	13.5	14.1	14.8	16.4	17.0	17.4	17.7	17.8	17.6	16.8
83°	11.7	12.0	12.6	13.2	14.8	15.5	16.0	16.3	16.3	16.0	15.5
83.5°	10.2	10.6	11.1	11.8	13.2	14.0	14.4	14.7	14.7	14.4	13.9
84°	9.0	9.3	9.8	10.4	11.7	12.5	12.8	13.1	13.2	13.0	12.3
84.5°	7.7	7.9	8.5	9.1	10.3	11.0	11.5	11.7	11.7	11.5	10.9
85°	6.5	6.7	7.3	7.8	9.0	9.6	10.0	10.2	10.3	10.0	9.6
85.5°	5.4	5.7	6.1	6.6	7.7	8.3	8.6	8.9	8.9	8.7	8.2
86°	4.3	4.7	5.1	5.5	6.6	7.1	7.4	7.7	7.6	7.4	7.0
86.5°	3.4	3.7	4.2	4.5	5.3	5.9	6.2	6.3	6.4	6.2	5.8
87°	2.6	2.8	3.2	3.6	4.3	4.8	5.1	5.3	5.3	5.1	4.7
87.5°	1.9	2.2	2.5	2.8	3.5	3.8	4.0	4.2	4.2	4.1	3.7
88°	1.4	1.6	1.9	2.1	2.5	2.9	3.1	3.3	3.3	3.1	2.8
88.5°	0.9	1.0	1.3	1.5	1.7	2.0	2.2	2.4	2.4	2.3	2.0

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

Scaled Data Report



TEST NUMBER: P997160
CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

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: P997160

CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	225.2	225.2	225.2	225.2	225.2	225.2
0.5°	225.1	225.4	225.1	225.2	225.2	225.0
1°	225.0	225.1	225.1	225.3	225.0	225.0
1.5°	224.8	225.2	225.0	225.1	224.9	224.8
2°	224.9	225.1	224.9	225.1	224.8	224.7
2.5°	224.8	225.0	225.0	225.0	224.7	224.6
3°	224.8	225.0	224.9	224.8	224.7	224.5
3.5°	224.8	224.9	224.7	224.7	224.4	224.5
4°	224.6	224.5	224.5	224.5	224.2	224.3
4.5°	224.4	224.5	224.3	224.1	223.9	224.0
5°	224.3	224.3	224.2	224.1	223.6	223.8
5.5°	224.1	223.9	223.8	223.7	223.5	223.5
6°	223.7	223.6	223.5	223.5	223.3	223.2
6.5°	223.5	223.3	223.3	223.3	223.0	222.9
7°	223.2	223.1	222.9	223.0	222.8	222.7
7.5°	222.8	222.9	222.6	222.6	222.4	222.3
8°	222.5	222.6	222.3	222.3	222.0	222.0
8.5°	222.2	222.3	221.9	221.9	221.7	221.7
9°	221.9	221.8	221.6	221.5	221.2	221.2
9.5°	221.5	221.5	221.1	221.2	220.9	220.9
10°	221.3	221.2	220.8	220.8	220.3	220.5
10.5°	220.8	220.8	220.2	220.3	219.7	220.0
11°	220.4	220.3	219.8	219.8	219.4	219.6
11.5°	220.0	219.8	219.3	219.3	218.8	219.2
12°	219.5	219.4	219.0	218.8	218.4	218.7
12.5°	219.0	218.9	218.5	218.2	217.9	218.2
13°	218.5	218.4	217.9	217.8	217.5	217.6
13.5°	217.9	217.8	217.2	217.2	216.9	216.9
14°	217.3	217.3	216.8	216.6	216.3	216.4
14.5°	216.8	216.7	216.2	216.0	215.8	215.9
15°	216.2	215.9	215.5	215.5	215.3	215.3
15.5°	215.5	215.4	214.9	214.8	214.5	214.5
16°	215.0	214.8	214.1	214.1	213.7	213.9
16.5°	214.4	214.1	213.6	213.4	213.1	213.2
17°	213.7	213.3	212.9	212.7	212.4	212.4
17.5°	213.0	212.7	212.1	212.1	211.6	211.5
18°	212.4	212.0	211.4	211.3	211.1	210.8
18.5°	211.8	211.3	210.8	210.6	210.2	210.0
19°	211.0	210.6	210.0	209.8	209.4	209.4
19.5°	210.1	209.7	209.2	209.0	208.7	208.4
20°	209.4	209.0	208.5	208.1	207.9	207.7
20.5°	208.6	208.2	207.7	207.2	207.0	206.8
21°	207.7	207.2	206.8	206.6	206.3	206.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997160

CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	205.3	204.6	204.3	203.9	203.5	203.7
23°	204.4	203.8	203.4	203.1	202.6	202.7
23.5°	203.5	202.9	202.5	202.0	201.7	201.7
24°	202.6	202.0	201.6	201.2	200.8	200.9
24.5°	201.7	200.9	200.7	200.2	199.9	200.0
25°	200.7	200.1	199.5	199.3	199.1	199.0
25.5°	199.8	199.2	198.7	198.4	198.0	197.8
26°	198.8	198.3	197.7	197.4	196.9	196.8
26.5°	197.8	197.3	196.6	196.3	195.9	195.9
27°	196.8	196.4	195.6	195.4	195.0	195.0
27.5°	195.9	195.2	194.6	194.4	193.9	193.7
28°	194.8	194.2	193.5	193.3	192.7	192.8
28.5°	193.7	193.0	192.5	192.1	191.6	191.8
29°	192.7	192.0	191.4	191.1	190.5	190.7
29.5°	191.6	190.9	190.3	189.9	189.4	189.5
30°	190.4	189.8	189.3	188.9	188.2	188.5
30.5°	189.3	188.7	188.1	187.7	187.1	187.2
31°	188.2	187.5	186.9	186.4	186.0	186.2
31.5°	187.0	186.3	185.9	185.4	184.7	185.0
32°	185.9	185.2	184.5	184.2	183.6	183.7
32.5°	184.8	184.0	183.3	182.9	182.4	182.4
33°	183.6	182.8	182.4	181.7	181.2	181.3
33.5°	182.4	181.6	181.0	180.4	180.0	180.1
34°	181.1	180.4	179.8	179.3	178.8	178.9
34.5°	179.9	179.1	178.5	178.0	177.4	177.6
35°	178.6	177.9	177.2	176.6	176.2	176.3
35.5°	177.5	176.5	176.0	175.3	174.8	175.1
36°	176.1	175.3	174.6	174.1	173.7	173.8
36.5°	174.8	173.9	173.3	172.7	172.4	172.6
37°	173.5	172.8	172.2	171.5	171.0	171.3
37.5°	172.2	171.4	170.9	170.2	169.7	169.9
38°	171.0	170.1	169.3	168.9	168.4	168.6
38.5°	169.6	168.8	168.1	167.5	167.0	167.2
39°	168.2	167.3	166.5	166.1	165.7	165.7
39.5°	166.9	166.0	165.2	164.6	164.3	164.3
40°	165.4	164.8	163.7	163.4	162.9	163.0
40.5°	164.0	163.3	162.3	161.8	161.3	161.5
41°	162.5	161.8	160.9	160.5	160.0	160.1
41.5°	161.2	160.4	159.5	159.0	158.5	158.6
42°	159.8	159.0	158.1	157.4	157.1	157.2
42.5°	158.4	157.4	156.6	156.1	155.6	155.6
43°	156.8	156.0	155.1	154.5	154.1	154.2
43.5°	155.4	154.5	153.6	153.0	152.6	152.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997160

CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	150.9	149.9	149.0	148.6	148.0	148.1
45.5°	149.4	148.3	147.6	147.1	146.5	146.5
46°	147.8	146.9	146.1	145.4	145.0	145.1
46.5°	146.3	145.2	144.4	144.0	143.5	143.6
47°	144.7	143.8	142.9	142.4	141.9	142.0
47.5°	143.1	142.3	141.3	140.7	140.3	140.4
48°	141.6	140.6	139.8	139.1	138.7	138.8
48.5°	140.0	139.1	138.1	137.5	137.0	137.2
49°	138.5	137.4	136.5	135.8	135.5	135.4
49.5°	136.8	135.8	134.9	134.2	133.9	133.9
50°	135.2	134.1	133.2	132.6	132.2	132.1
50.5°	133.6	132.5	131.6	130.9	130.5	130.4
51°	131.8	130.8	129.8	129.2	128.9	128.7
51.5°	130.2	129.3	128.2	127.7	127.2	127.2
52°	128.6	127.7	126.4	125.8	125.6	125.6
52.5°	126.9	125.9	124.8	124.4	123.8	123.9
53°	125.2	124.2	123.0	122.6	122.1	122.2
53.5°	123.5	122.4	121.3	120.9	120.5	120.6
54°	121.9	120.8	119.6	119.2	118.7	118.8
54.5°	120.2	119.1	118.1	117.5	117.0	117.1
55°	118.6	117.4	116.3	115.7	115.2	115.2
55.5°	116.7	115.4	114.5	114.0	113.5	113.5
56°	115.1	113.7	112.8	112.1	111.7	111.8
56.5°	113.2	112.0	111.0	110.4	110.1	110.0
57°	111.6	110.2	109.1	108.5	108.2	108.3
57.5°	109.7	108.4	107.4	106.7	106.5	106.4
58°	108.1	106.7	105.6	105.0	104.7	104.6
58.5°	106.2	104.7	103.7	103.1	102.7	102.7
59°	104.5	102.9	101.9	101.3	101.0	100.8
59.5°	102.6	101.0	100.0	99.3	99.0	98.9
60°	100.8	99.2	98.2	97.7	97.2	97.1
60.5°	99.0	97.3	96.3	95.7	95.3	95.4
61°	97.2	95.6	94.5	94.0	93.6	93.6
61.5°	95.3	93.6	92.7	92.1	91.7	91.7
62°	93.5	91.7	90.8	90.3	89.7	89.8
62.5°	91.7	89.8	88.8	88.3	87.9	87.9
63°	89.9	88.0	86.9	86.4	85.9	85.9
63.5°	88.0	86.0	85.0	84.4	84.0	84.0
64°	86.0	84.2	83.2	82.6	82.1	82.2
64.5°	84.1	82.2	81.3	80.7	80.2	80.2
65°	82.2	80.4	79.3	78.8	78.3	78.3
65.5°	80.2	78.2	77.3	76.7	76.4	76.3
66°	78.3	76.5	75.4	74.8	74.5	74.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997160

CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	72.4	70.6	69.6	69.1	68.7	68.6
68°	70.5	68.8	67.7	67.1	66.7	66.6
68.5°	68.7	66.8	65.8	65.1	64.8	64.6
69°	66.6	64.9	63.8	63.2	62.9	62.7
69.5°	64.7	62.8	61.9	61.2	60.9	60.8
70°	62.8	60.9	60.0	59.3	58.9	58.9
70.5°	60.8	58.9	58.0	57.3	56.9	56.8
71°	58.9	57.1	56.0	55.4	54.9	54.9
71.5°	56.8	55.0	54.1	53.4	52.9	53.0
72°	54.9	53.1	52.1	51.4	51.0	51.0
72.5°	53.0	51.1	50.2	49.4	49.0	49.1
73°	51.0	49.1	48.1	47.5	47.0	47.1
73.5°	49.0	47.1	46.3	45.5	45.0	45.2
74°	47.0	45.3	44.2	43.6	43.2	43.2
74.5°	45.1	43.3	42.4	41.8	41.2	41.3
75°	43.3	41.3	40.5	39.7	39.5	39.4
75.5°	41.4	39.4	38.5	37.8	37.4	37.5
76°	39.5	37.6	36.6	35.9	35.6	35.6
76.5°	37.5	35.6	34.6	34.0	33.7	33.6
77°	35.6	33.8	32.8	32.1	31.7	31.9
77.5°	33.7	31.9	31.0	30.3	29.9	30.1
78°	31.8	30.1	29.1	28.4	28.0	28.2
78.5°	29.9	28.3	27.3	26.7	26.2	26.4
79°	28.2	26.4	25.4	24.8	24.5	24.5
79.5°	26.4	24.6	23.7	23.1	22.7	22.8
80°	24.6	22.9	21.9	21.4	21.0	21.0
80.5°	22.8	21.1	20.3	19.7	19.3	19.4
81°	21.1	19.5	18.6	18.0	17.7	17.8
81.5°	19.5	17.8	17.1	16.5	16.2	16.3
82°	17.8	16.4	15.5	15.0	14.6	14.7
82.5°	16.3	14.8	14.0	13.4	13.1	13.1
83°	14.8	13.3	12.4	12.0	11.7	11.7
83.5°	13.2	11.8	11.0	10.6	10.3	10.2
84°	11.8	10.4	9.7	9.3	8.9	9.0
84.5°	10.3	9.0	8.3	8.0	7.6	7.7
85°	9.0	7.7	7.2	6.7	6.6	6.5
85.5°	7.7	6.7	5.9	5.7	5.3	5.4
86°	6.5	5.4	4.9	4.6	4.3	4.3
86.5°	5.4	4.4	4.1	3.7	3.4	3.4
87°	4.3	3.5	3.1	2.8	2.6	2.6
87.5°	3.4	2.7	2.3	2.1	1.9	1.9
88°	2.5	2.0	1.7	1.4	1.3	1.4
88.5°	1.7	1.5	1.1	1.0	0.9	0.9

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Scaled Data Report



TEST NUMBER: P997160
CATALOG NUMBER: SMX4SLSFS010-650LM-5000K

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°	205.1	205.7	205.9	206.1	207.0	207.6	207.8	208.0	207.8	207.7	207.4
22°	204.6	204.8	205.0	205.4	206.3	206.9	206.9	207.2	206.9	207.1	206.6



44°	151.2	151.7	152.0	152.7	154.1	154.9	155.3	155.6	155.6	155.3	154.5
44.5°	149.7	150.2	150.6	151.2	152.7	153.4	153.8	154.1	154.1	153.9	153.1

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66.5°	72.4	72.9	73.6	74.5	76.3	77.3	77.9	78.5	78.4	77.9	77.1
67°	70.4	71.0	71.7	72.5	74.4	75.4	76.0	76.5	76.4	75.9	75.3

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89°	0.5	0.6	0.9	1.0	1.2	1.3	1.5	1.6	1.6	1.6	1.4
89.5°	0.3	0.3	0.5	0.6	0.5	0.8	0.9	1.1	1.1	1.0	0.8

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21.5°	206.9	206.3	205.9	205.9	205.3	205.1
22°	206.1	205.6	205.1	204.9	204.3	204.6

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44°	153.9	153.0	152.0	151.5	151.3	151.2
44.5°	152.4	151.5	150.5	150.1	149.6	149.7

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66.5°	76.4	74.4	73.5	72.8	72.5	72.4
67°	74.5	72.5	71.7	70.9	70.6	70.4

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89°	1.2	1.0	0.8	0.6	0.5	0.5
89.5°	0.6	0.6	0.4	0.4	0.2	0.3

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(END OF REPORT)