

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: P997158

Luminaire Tested: **SMX4SLSF010-650LM-3500K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997158
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-3500K
Description: 4IN SQAURE, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3500K CCT
Ballast/Driver: -

Summary

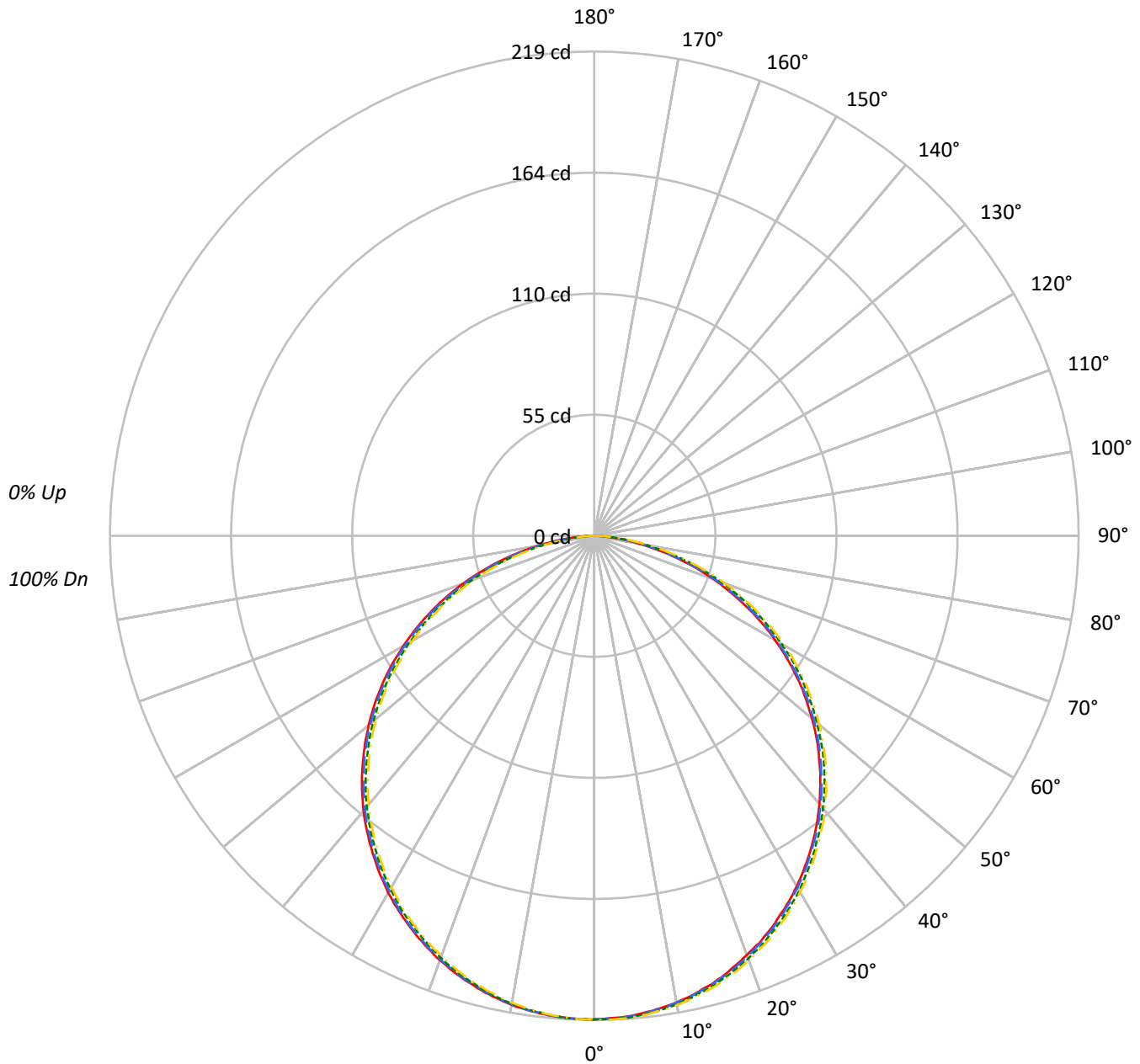
Lumens per Lamp: N/A
Luminaire Lumens: 624.7 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.8
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

TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

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°	21627	21627	21627	21627
5°	21580	21640	21630	21620
10°	21509	21609	21619	21569
15°	21407	21530	21550	21469
20°	21226	21405	21489	21363
25°	21081	21267	21376	21212
30°	20898	21149	21274	21046
35°	20670	20947	21104	20851
40°	20438	20761	20941	20658
45°	20115	20534	20716	20353
50°	19744	20206	20482	20036
55°	19283	19852	20179	19662
60°	18661	19334	19729	19057
65°	17798	18640	19108	18266
70°	16531	17658	18236	17109
75°	14627	16040	16803	15314
80°	11612	13604	14629	12636
85°	7145	9867	11341	8506



TEST NUMBER: P997158
CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	3.3
10°-20°	59.3	9.5
20°-30°	89.8	14.4
30°-40°	108.3	17.3
40°-50°	112.7	18.0
50°-60°	102.3	16.4
60°-70°	78.0	12.5
70°-80°	43.5	7.0
80°-90°	10.1	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°	169.7	27.2
0°-40°	278.1	44.5
0°-60°	493.0	78.9
0°-90°	624.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	219	219	219	219	219	
5°	218	218	218	218	218	21
15°	209	210	211	210	209	59
25°	193	195	196	194	193	89
35°	171	174	175	173	171	107
45°	144	147	148	146	144	111
55°	112	115	117	114	112	100
65°	76	80	82	78	76	75
75°	38	42	44	40	38	41
85°	6	9	10	8	6	8
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	218.8	218.8	218.8	218.8	218.8	218.8	218.8	218.8	218.8	218.8	218.8
0.5°	218.6	218.6	218.8	218.7	218.8	218.7	219.0	218.8	218.8	218.9	218.7
1°	218.6	218.6	218.6	218.6	218.8	218.6	219.0	218.8	218.8	218.9	218.7
1.5°	218.4	218.7	218.5	218.5	218.7	218.8	219.0	218.8	218.7	218.8	218.7
2°	218.3	218.6	218.5	218.4	218.6	218.8	219.0	218.7	218.6	218.8	218.6
2.5°	218.2	218.5	218.4	218.4	218.6	218.7	218.8	218.7	218.6	218.7	218.6
3°	218.2	218.5	218.3	218.3	218.6	218.5	218.8	218.6	218.5	218.6	218.5
3.5°	218.1	218.3	218.2	218.2	218.4	218.4	218.8	218.5	218.3	218.6	218.4
4°	217.9	218.1	218.1	218.1	218.5	218.3	218.5	218.4	218.2	218.5	218.2
4.5°	217.7	218.0	217.9	217.9	218.3	218.2	218.5	218.2	218.2	218.4	218.1
5°	217.5	217.7	217.6	217.7	218.1	218.0	218.2	218.1	218.0	218.2	218.0
5.5°	217.2	217.4	217.5	217.6	217.8	217.9	218.0	217.9	217.9	218.0	217.8
6°	216.9	217.2	217.2	217.3	217.5	217.7	218.0	217.6	217.6	217.8	217.5
6.5°	216.6	216.9	216.9	217.1	217.4	217.4	217.7	217.5	217.4	217.7	217.3
7°	216.4	216.6	216.6	216.8	217.2	217.2	217.3	217.4	217.1	217.4	217.0
7.5°	216.0	216.3	216.2	216.4	216.9	216.9	217.0	217.1	217.0	217.0	216.8
8°	215.7	216.0	215.9	216.0	216.6	216.7	216.9	216.8	216.7	216.8	216.6
8.5°	215.4	215.7	215.7	215.7	216.3	216.4	216.5	216.4	216.4	216.5	216.2
9°	215.0	215.3	215.3	215.3	215.9	216.0	216.3	216.1	216.1	216.1	215.8
9.5°	214.7	214.9	214.8	215.0	215.6	215.6	215.9	215.7	215.8	215.9	215.7
10°	214.3	214.4	214.4	214.5	215.3	215.3	215.6	215.4	215.4	215.6	215.2
10.5°	213.8	213.9	214.0	214.3	214.7	215.0	215.1	215.0	215.0	215.2	214.8
11°	213.4	213.6	213.6	213.7	214.2	214.5	214.8	214.6	214.7	214.7	214.3
11.5°	213.0	213.0	213.1	213.2	213.9	214.1	214.4	214.2	214.2	214.3	214.0
12°	212.5	212.6	212.7	212.8	213.4	213.7	213.9	213.8	213.7	213.8	213.5
12.5°	212.0	212.0	212.2	212.3	212.8	213.0	213.3	213.4	213.3	213.5	213.0
13°	211.4	211.6	211.7	211.8	212.3	212.7	212.9	212.8	212.8	213.0	212.5
13.5°	210.7	211.0	211.1	211.3	211.9	212.2	212.5	212.4	212.4	212.4	212.0
14°	210.3	210.5	210.6	210.8	211.3	211.6	212.0	211.8	211.7	211.9	211.4
14.5°	209.8	209.8	210.0	210.1	210.7	211.1	211.5	211.3	211.3	211.4	211.0
15°	209.2	209.3	209.4	209.5	210.4	210.6	211.0	210.8	210.6	210.8	210.4
15.5°	208.4	208.6	208.8	208.9	209.6	209.9	210.3	210.3	210.0	210.2	209.9
16°	207.9	208.0	208.2	208.2	208.9	209.5	209.8	209.8	209.5	209.8	209.2
16.5°	207.2	207.2	207.5	207.7	208.3	208.8	209.2	209.1	209.0	209.1	208.7
17°	206.4	206.6	206.9	207.0	207.7	208.1	208.4	208.5	208.3	208.4	208.0
17.5°	205.5	206.0	206.2	206.4	207.0	207.5	207.9	207.8	207.8	207.8	207.3
18°	204.8	205.4	205.6	205.7	206.4	206.9	207.3	207.0	207.0	207.1	206.6
18.5°	204.1	204.6	204.7	205.1	205.6	206.2	206.6	206.5	206.4	206.4	206.0
19°	203.4	203.8	204.0	204.3	204.9	205.5	205.8	205.8	205.6	205.7	205.2
19.5°	202.5	203.0	203.3	203.6	204.2	204.7	205.0	205.0	204.9	205.0	204.6
20°	201.8	202.3	202.5	202.9	203.5	204.1	204.2	204.2	204.3	204.2	203.7
20.5°	200.9	201.5	201.7	202.1	202.7	203.3	203.6	203.5	203.6	203.4	203.1
21°	200.2	200.7	200.9	201.2	201.8	202.5	202.7	202.7	202.7	202.6	202.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	197.9	198.2	198.4	198.7	199.6	200.1	200.5	200.4	200.3	200.5	199.9
23°	196.9	197.3	197.5	197.8	198.7	199.4	199.6	199.7	199.4	199.6	199.0
23.5°	196.0	196.4	196.6	197.0	197.7	198.4	198.8	198.7	198.6	198.8	198.1
24°	195.2	195.5	195.9	196.1	196.9	197.4	197.9	197.8	197.8	197.9	197.3
24.5°	194.3	194.5	194.9	195.2	196.0	196.6	197.0	197.0	196.9	197.0	196.4
25°	193.3	193.7	193.9	194.2	195.0	195.8	196.1	196.0	196.0	196.1	195.5
25.5°	192.2	192.7	193.0	193.4	194.1	194.8	195.2	195.2	195.1	195.2	194.7
26°	191.2	191.8	192.2	192.5	193.3	193.8	194.1	194.4	194.2	194.1	193.7
26.5°	190.3	190.8	191.2	191.5	192.3	192.9	193.3	193.4	193.3	193.3	192.9
27°	189.4	189.8	190.0	190.5	191.3	192.0	192.4	192.4	192.3	192.4	191.8
27.5°	188.2	188.7	188.9	189.5	190.3	190.9	191.3	191.5	191.4	191.3	190.8
28°	187.4	187.7	188.0	188.4	189.3	190.0	190.3	190.4	190.4	190.4	189.8
28.5°	186.4	186.6	187.0	187.4	188.3	188.9	189.4	189.4	189.5	189.4	188.8
29°	185.3	185.7	185.9	186.3	187.4	187.9	188.4	188.3	188.4	188.3	187.7
29.5°	184.1	184.7	184.8	185.3	186.4	186.8	187.3	187.3	187.4	187.3	186.8
30°	183.1	183.5	183.8	184.1	185.3	185.8	186.2	186.3	186.4	186.3	185.5
30.5°	181.9	182.3	182.6	183.1	184.2	184.7	185.1	185.3	185.3	185.1	184.5
31°	180.9	181.2	181.5	181.9	183.0	183.7	184.1	184.2	184.1	184.0	183.5
31.5°	179.7	180.2	180.3	180.8	181.8	182.5	182.9	183.1	183.0	182.9	182.4
32°	178.5	178.9	179.2	179.7	180.7	181.4	181.7	181.8	181.9	181.8	181.2
32.5°	177.3	177.7	178.1	178.6	179.6	180.3	180.7	180.7	180.8	180.6	180.1
33°	176.2	176.6	176.9	177.5	178.5	179.1	179.6	179.6	179.7	179.5	178.8
33.5°	175.0	175.4	175.7	176.2	177.2	177.7	178.4	178.4	178.4	178.3	177.6
34°	173.9	174.2	174.5	175.0	176.1	176.6	177.2	177.3	177.3	177.1	176.5
34.5°	172.6	173.0	173.3	173.8	174.9	175.5	175.9	176.1	176.1	176.0	175.4
35°	171.3	171.7	172.0	172.5	173.6	174.3	174.8	174.8	174.9	174.8	174.0
35.5°	170.1	170.5	170.8	171.4	172.3	173.2	173.5	173.6	173.7	173.5	172.9
36°	168.8	169.2	169.6	170.2	171.0	172.0	172.3	172.4	172.5	172.3	171.6
36.5°	167.7	168.0	168.4	168.9	169.9	170.6	171.1	171.3	171.3	171.1	170.4
37°	166.4	166.7	167.2	167.6	168.7	169.4	169.9	170.1	170.0	169.8	169.1
37.5°	165.1	165.4	165.9	166.4	167.5	168.3	168.5	168.9	168.8	168.5	168.1
38°	163.8	164.1	164.5	165.0	166.2	167.0	167.3	167.6	167.5	167.3	166.7
38.5°	162.4	162.7	163.3	163.7	164.9	165.7	166.1	166.2	166.3	166.0	165.4
39°	161.0	161.4	161.8	162.4	163.6	164.4	164.8	165.0	165.1	164.6	164.0
39.5°	159.7	160.0	160.4	161.1	162.3	163.0	163.4	163.6	163.7	163.4	162.7
40°	158.4	158.7	159.1	159.6	160.9	161.6	162.1	162.4	162.3	162.0	161.4
40.5°	156.9	157.3	157.7	158.4	159.6	160.3	160.6	161.1	161.0	160.7	160.1
41°	155.5	156.0	156.4	156.9	158.3	158.9	159.3	159.6	159.6	159.4	158.5
41.5°	154.1	154.6	155.0	155.6	156.8	157.5	157.9	158.3	158.2	158.0	157.1
42°	152.7	153.2	153.5	154.2	155.5	156.1	156.7	156.8	156.8	156.6	155.9
42.5°	151.2	151.7	152.1	152.8	154.0	154.6	155.3	155.4	155.5	155.2	154.4
43°	149.8	150.4	150.7	151.4	152.7	153.3	153.8	154.0	154.0	153.8	152.9
43.5°	148.5	148.9	149.2	149.9	151.2	151.9	152.3	152.7	152.7	152.4	151.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	143.9	144.5	144.8	145.5	146.9	147.6	148.1	148.3	148.2	148.1	147.3
45.5°	142.4	143.0	143.4	144.1	145.5	146.0	146.6	146.8	146.8	146.7	146.0
46°	141.0	141.6	142.0	142.5	143.9	144.7	145.1	145.4	145.2	145.1	144.3
46.5°	139.5	140.0	140.4	141.0	142.5	143.1	143.5	143.9	143.8	143.6	142.9
47°	138.0	138.5	138.8	139.5	140.9	141.6	142.1	142.5	142.4	142.2	141.4
47.5°	136.4	136.8	137.3	138.1	139.3	140.1	140.5	141.0	140.9	140.6	139.9
48°	134.9	135.3	135.8	136.4	137.6	138.6	139.0	139.4	139.5	139.1	138.3
48.5°	133.3	133.8	134.2	134.9	136.1	137.1	137.6	137.8	137.9	137.6	136.9
49°	131.6	132.3	132.6	133.2	134.5	135.4	136.0	136.3	136.2	136.0	135.2
49.5°	130.1	130.6	131.1	131.8	132.9	133.9	134.5	134.7	134.7	134.5	133.7
50°	128.4	128.9	129.5	130.2	131.4	132.5	132.9	133.2	133.2	133.0	132.1
50.5°	126.7	127.3	127.8	128.6	129.8	130.8	131.2	131.6	131.6	131.3	130.5
51°	125.1	125.7	126.2	126.9	128.2	129.2	129.7	130.0	130.0	129.8	128.9
51.5°	123.6	124.1	124.6	125.3	126.7	127.5	128.1	128.3	128.3	128.2	127.3
52°	122.0	122.5	123.0	123.7	125.1	125.9	126.5	126.8	126.8	126.5	125.7
52.5°	120.4	120.8	121.4	122.1	123.3	124.3	124.9	125.1	125.2	124.8	124.0
53°	118.7	119.2	119.7	120.5	121.7	122.7	123.3	123.5	123.6	123.2	122.4
53.5°	117.2	117.6	118.0	118.6	120.1	121.0	121.5	121.8	121.9	121.5	120.9
54°	115.4	115.9	116.4	117.0	118.4	119.4	119.9	120.0	120.2	120.0	119.2
54.5°	113.8	114.2	114.7	115.4	116.9	117.8	118.3	118.4	118.6	118.3	117.6
55°	111.9	112.5	113.0	113.8	115.2	116.2	116.7	116.9	117.1	116.7	116.0
55.5°	110.3	110.7	111.4	112.2	113.6	114.5	115.1	115.3	115.4	115.0	114.4
56°	108.6	109.0	109.6	110.4	111.9	112.7	113.3	113.5	113.6	113.4	112.6
56.5°	106.9	107.3	107.8	108.6	110.1	111.1	111.6	111.9	112.0	111.6	110.8
57°	105.2	105.6	106.1	106.8	108.4	109.3	110.0	110.1	110.2	109.8	109.1
57.5°	103.3	103.8	104.3	105.2	106.8	107.5	108.2	108.4	108.5	108.2	107.3
58°	101.6	102.0	102.6	103.4	105.0	105.9	106.4	106.7	106.8	106.4	105.6
58.5°	99.8	100.3	100.8	101.7	103.2	104.2	104.8	105.1	105.0	104.8	104.0
59°	98.0	98.5	99.1	99.9	101.5	102.3	102.9	103.4	103.1	102.9	102.2
59.5°	96.1	96.7	97.3	98.2	99.5	100.5	101.2	101.6	101.5	101.2	100.4
60°	94.4	94.9	95.6	96.4	97.8	98.7	99.4	99.9	99.8	99.4	98.6
60.5°	92.7	93.1	93.7	94.6	95.9	96.9	97.6	98.3	98.1	97.6	96.9
61°	91.0	91.4	92.0	92.8	94.2	95.2	95.8	96.4	96.2	95.9	95.1
61.5°	89.1	89.6	90.2	91.0	92.4	93.4	94.0	94.6	94.4	94.1	93.2
62°	87.3	87.8	88.4	89.2	90.8	91.7	92.3	92.7	92.6	92.3	91.6
62.5°	85.4	85.8	86.5	87.3	88.9	89.9	90.5	91.1	90.9	90.4	89.7
63°	83.5	84.0	84.6	85.5	87.2	88.1	88.7	89.1	89.1	88.7	87.8
63.5°	81.6	82.1	82.8	83.7	85.3	86.2	86.8	87.4	87.2	86.7	86.0
64°	79.9	80.2	81.0	81.7	83.4	84.4	85.0	85.5	85.4	84.9	84.1
64.5°	77.9	78.4	79.1	79.9	81.7	82.5	83.1	83.7	83.5	83.1	82.4
65°	76.1	76.5	77.2	78.0	79.7	80.7	81.3	81.7	81.7	81.3	80.5
65.5°	74.1	74.6	75.4	76.2	77.9	79.0	79.5	79.9	79.8	79.5	78.7
66°	72.2	72.8	73.4	74.3	76.3	77.0	77.6	78.2	78.0	77.7	76.8

TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	66.6	67.3	67.7	68.6	70.4	71.5	72.0	72.5	72.5	71.9	71.1
68°	64.7	65.4	66.0	66.9	68.6	69.5	70.2	70.5	70.6	70.2	69.3
68.5°	62.8	63.5	64.1	65.0	66.8	67.7	68.3	68.6	68.7	68.2	67.4
69°	61.0	61.6	62.2	63.1	64.9	65.9	66.5	66.8	66.8	66.5	65.6
69.5°	59.1	59.6	60.3	61.2	63.0	63.9	64.6	65.0	64.9	64.5	63.7
70°	57.2	57.8	58.3	59.2	61.1	62.0	62.6	63.0	63.1	62.7	61.8
70.5°	55.2	55.8	56.5	57.3	59.2	60.1	60.8	61.2	61.2	60.7	59.9
71°	53.3	53.9	54.6	55.3	57.3	58.2	58.8	59.3	59.3	58.8	58.0
71.5°	51.5	52.0	52.5	53.5	55.2	56.3	56.9	57.3	57.4	57.0	56.1
72°	49.5	50.1	50.7	51.6	53.4	54.5	55.0	55.4	55.5	55.1	54.2
72.5°	47.7	48.2	48.8	49.6	51.5	52.6	53.1	53.4	53.5	53.1	52.2
73°	45.7	46.3	46.9	47.7	49.6	50.6	51.2	51.6	51.6	51.2	50.3
73.5°	43.9	44.4	45.0	45.8	47.7	48.7	49.3	49.6	49.7	49.3	48.4
74°	42.0	42.5	43.1	43.9	45.8	46.8	47.3	47.8	47.9	47.4	46.6
74.5°	40.1	40.7	41.4	42.2	43.9	45.0	45.5	45.9	45.9	45.5	44.7
75°	38.3	38.7	39.4	40.2	42.0	43.0	43.5	44.0	44.0	43.6	42.8
75.5°	36.4	36.9	37.5	38.3	40.2	41.3	41.7	42.0	42.1	41.8	41.0
76°	34.6	35.1	35.6	36.4	38.4	39.3	39.9	40.2	40.4	39.9	39.1
76.5°	32.7	33.2	33.8	34.5	36.5	37.5	38.0	38.4	38.4	38.2	37.2
77°	31.0	31.4	32.0	32.7	34.7	35.6	36.1	36.5	36.5	36.2	35.4
77.5°	29.2	29.6	30.2	30.9	32.9	33.8	34.3	34.7	34.6	34.3	33.6
78°	27.4	27.7	28.4	29.2	31.0	32.0	32.5	32.9	32.9	32.5	31.8
78.5°	25.6	26.0	26.7	27.4	29.2	30.1	30.6	31.0	31.1	30.8	29.9
79°	23.8	24.2	24.8	25.7	27.4	28.3	28.8	29.2	29.2	28.9	28.1
79.5°	22.2	22.6	23.1	23.9	25.7	26.6	27.0	27.4	27.4	27.1	26.3
80°	20.4	20.8	21.4	22.1	23.9	24.8	25.3	25.7	25.7	25.3	24.6
80.5°	18.8	19.2	19.8	20.4	22.2	23.1	23.6	23.9	24.0	23.7	23.0
81°	17.3	17.5	18.2	18.8	20.5	21.4	21.9	22.2	22.3	22.0	21.3
81.5°	15.8	16.1	16.7	17.2	18.9	19.7	20.2	20.4	20.5	20.3	19.6
82°	14.3	14.6	15.2	15.8	17.3	18.0	18.5	18.9	18.8	18.6	17.9
82.5°	12.8	13.1	13.7	14.3	15.9	16.5	16.9	17.2	17.3	17.1	16.4
83°	11.4	11.7	12.2	12.9	14.4	15.1	15.5	15.8	15.9	15.5	15.0
83.5°	10.0	10.3	10.8	11.4	12.8	13.6	14.0	14.3	14.3	14.0	13.5
84°	8.7	9.0	9.5	10.1	11.4	12.1	12.5	12.8	12.9	12.6	11.9
84.5°	7.5	7.7	8.3	8.8	10.0	10.7	11.1	11.4	11.4	11.2	10.6
85°	6.3	6.5	7.1	7.5	8.7	9.3	9.8	9.9	10.0	9.8	9.3
85.5°	5.2	5.5	6.0	6.4	7.5	8.1	8.4	8.6	8.7	8.4	8.0
86°	4.2	4.5	5.0	5.3	6.4	6.9	7.2	7.5	7.4	7.2	6.8
86.5°	3.3	3.6	4.1	4.4	5.2	5.7	6.0	6.2	6.2	6.0	5.7
87°	2.6	2.8	3.1	3.5	4.2	4.6	4.9	5.1	5.1	5.0	4.6
87.5°	1.9	2.1	2.5	2.7	3.4	3.7	3.9	4.1	4.1	3.9	3.6
88°	1.3	1.5	1.8	2.0	2.4	2.8	3.0	3.2	3.2	3.1	2.8
88.5°	0.9	1.0	1.3	1.4	1.7	2.0	2.2	2.3	2.3	2.2	2.0

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

Scaled Data Report



TEST NUMBER: P997158
CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	218.8	218.8	218.8	218.8	218.8	218.8
0.5°	218.7	219.0	218.7	218.8	218.8	218.6
1°	218.6	218.8	218.7	218.9	218.6	218.6
1.5°	218.4	218.8	218.6	218.7	218.6	218.4
2°	218.5	218.7	218.6	218.7	218.4	218.3
2.5°	218.4	218.6	218.6	218.6	218.3	218.2
3°	218.4	218.6	218.5	218.4	218.3	218.2
3.5°	218.4	218.5	218.3	218.3	218.0	218.1
4°	218.2	218.2	218.2	218.1	217.9	217.9
4.5°	218.0	218.2	218.0	217.8	217.6	217.7
5°	217.9	217.9	217.8	217.8	217.3	217.5
5.5°	217.8	217.6	217.5	217.4	217.2	217.2
6°	217.4	217.2	217.2	217.2	217.0	216.9
6.5°	217.1	217.0	217.0	217.0	216.7	216.6
7°	216.9	216.8	216.6	216.7	216.5	216.4
7.5°	216.5	216.6	216.3	216.3	216.1	216.0
8°	216.2	216.3	216.0	216.0	215.7	215.7
8.5°	215.9	216.0	215.6	215.6	215.4	215.4
9°	215.6	215.5	215.3	215.2	215.0	215.0
9.5°	215.2	215.2	214.9	214.9	214.6	214.7
10°	215.0	214.9	214.5	214.5	214.1	214.3
10.5°	214.5	214.5	214.0	214.0	213.5	213.8
11°	214.2	214.1	213.6	213.6	213.2	213.4
11.5°	213.8	213.6	213.1	213.1	212.6	213.0
12°	213.3	213.2	212.8	212.6	212.2	212.5
12.5°	212.8	212.7	212.4	212.0	211.7	212.0
13°	212.3	212.2	211.7	211.6	211.3	211.4
13.5°	211.8	211.6	211.1	211.1	210.8	210.7
14°	211.2	211.1	210.6	210.4	210.2	210.3
14.5°	210.7	210.5	210.1	209.9	209.7	209.8
15°	210.0	209.8	209.4	209.4	209.2	209.2
15.5°	209.4	209.3	208.8	208.7	208.4	208.4
16°	208.9	208.7	208.0	208.1	207.7	207.9
16.5°	208.4	208.0	207.5	207.4	207.0	207.2
17°	207.7	207.3	206.9	206.7	206.4	206.4
17.5°	207.0	206.7	206.1	206.1	205.6	205.5
18°	206.4	206.0	205.4	205.3	205.1	204.8
18.5°	205.8	205.3	204.8	204.6	204.3	204.1
19°	205.0	204.7	204.1	203.8	203.5	203.4
19.5°	204.2	203.8	203.3	203.1	202.8	202.5
20°	203.5	203.1	202.6	202.2	202.0	201.8
20.5°	202.7	202.3	201.9	201.3	201.2	200.9
21°	201.8	201.4	201.0	200.7	200.5	200.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	199.5	198.8	198.5	198.1	197.7	197.9
23°	198.6	198.0	197.6	197.3	196.9	196.9
23.5°	197.7	197.2	196.8	196.2	195.9	196.0
24°	196.9	196.3	195.9	195.5	195.1	195.2
24.5°	195.9	195.3	195.0	194.5	194.2	194.3
25°	195.0	194.5	193.9	193.7	193.5	193.3
25.5°	194.2	193.5	193.1	192.8	192.4	192.2
26°	193.2	192.7	192.1	191.8	191.4	191.2
26.5°	192.2	191.7	191.1	190.8	190.4	190.3
27°	191.2	190.8	190.0	189.9	189.5	189.4
27.5°	190.3	189.7	189.1	188.9	188.4	188.2
28°	189.3	188.7	188.0	187.8	187.3	187.4
28.5°	188.2	187.6	187.0	186.6	186.2	186.4
29°	187.2	186.5	185.9	185.7	185.1	185.3
29.5°	186.2	185.5	184.9	184.5	184.0	184.1
30°	185.0	184.4	184.0	183.5	182.9	183.1
30.5°	183.9	183.3	182.8	182.4	181.8	181.9
31°	182.8	182.2	181.6	181.2	180.7	180.9
31.5°	181.7	181.1	180.6	180.1	179.4	179.7
32°	180.6	179.9	179.2	179.0	178.4	178.5
32.5°	179.6	178.8	178.2	177.7	177.3	177.3
33°	178.4	177.6	177.2	176.6	176.1	176.2
33.5°	177.2	176.4	175.9	175.3	175.0	175.0
34°	175.9	175.3	174.7	174.2	173.8	173.9
34.5°	174.8	174.0	173.5	173.0	172.4	172.6
35°	173.5	172.8	172.2	171.6	171.2	171.3
35.5°	172.4	171.5	171.0	170.4	169.9	170.1
36°	171.1	170.3	169.6	169.2	168.8	168.8
36.5°	169.8	169.0	168.4	167.8	167.5	167.7
37°	168.6	167.9	167.3	166.7	166.2	166.4
37.5°	167.4	166.5	166.1	165.4	164.9	165.1
38°	166.2	165.3	164.6	164.1	163.6	163.8
38.5°	164.8	164.0	163.3	162.7	162.2	162.4
39°	163.4	162.6	161.8	161.4	161.0	161.0
39.5°	162.1	161.3	160.6	159.9	159.7	159.7
40°	160.7	160.1	159.1	158.8	158.3	158.4
40.5°	159.4	158.7	157.7	157.3	156.8	156.9
41°	157.9	157.3	156.3	156.0	155.5	155.5
41.5°	156.6	155.8	155.0	154.5	154.1	154.1
42°	155.3	154.5	153.6	153.0	152.6	152.7
42.5°	153.9	152.9	152.1	151.7	151.2	151.2
43°	152.4	151.6	150.7	150.1	149.7	149.8
43.5°	151.0	150.1	149.2	148.6	148.3	148.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	146.6	145.6	144.7	144.4	143.8	143.9
45.5°	145.1	144.1	143.4	142.9	142.4	142.4
46°	143.6	142.7	142.0	141.3	140.9	141.0
46.5°	142.2	141.1	140.3	139.9	139.5	139.5
47°	140.7	139.7	138.8	138.3	137.8	138.0
47.5°	139.1	138.3	137.3	136.7	136.3	136.4
48°	137.6	136.6	135.8	135.1	134.8	134.9
48.5°	136.1	135.1	134.2	133.6	133.1	133.3
49°	134.6	133.5	132.7	132.0	131.7	131.6
49.5°	132.9	132.0	131.1	130.4	130.1	130.1
50°	131.4	130.3	129.5	128.8	128.4	128.4
50.5°	129.8	128.8	127.9	127.2	126.8	126.7
51°	128.1	127.1	126.1	125.6	125.2	125.1
51.5°	126.5	125.6	124.6	124.1	123.6	123.6
52°	124.9	124.1	122.8	122.3	122.0	122.0
52.5°	123.3	122.3	121.3	120.8	120.3	120.4
53°	121.7	120.7	119.5	119.1	118.6	118.7
53.5°	120.0	118.9	117.9	117.5	117.0	117.2
54°	118.4	117.4	116.2	115.8	115.4	115.4
54.5°	116.8	115.8	114.7	114.1	113.7	113.8
55°	115.2	114.1	113.0	112.4	111.9	111.9
55.5°	113.4	112.2	111.3	110.8	110.3	110.3
56°	111.9	110.5	109.6	108.9	108.5	108.6
56.5°	110.0	108.8	107.9	107.3	107.0	106.9
57°	108.4	107.1	106.0	105.4	105.1	105.2
57.5°	106.6	105.3	104.3	103.7	103.5	103.3
58°	105.0	103.7	102.6	102.0	101.7	101.6
58.5°	103.2	101.8	100.8	100.2	99.8	99.8
59°	101.5	100.0	99.0	98.5	98.1	98.0
59.5°	99.7	98.2	97.1	96.5	96.2	96.1
60°	97.9	96.4	95.4	94.9	94.4	94.4
60.5°	96.2	94.5	93.6	93.0	92.6	92.7
61°	94.5	92.9	91.9	91.3	91.0	91.0
61.5°	92.7	90.9	90.0	89.5	89.1	89.1
62°	90.9	89.1	88.2	87.7	87.2	87.3
62.5°	89.1	87.2	86.3	85.8	85.4	85.4
63°	87.3	85.5	84.4	84.0	83.5	83.5
63.5°	85.5	83.5	82.6	82.0	81.7	81.6
64°	83.6	81.8	80.8	80.2	79.8	79.9
64.5°	81.7	79.9	79.0	78.4	78.0	77.9
65°	79.9	78.1	77.1	76.6	76.1	76.1
65.5°	77.9	76.0	75.1	74.5	74.2	74.1
66°	76.1	74.3	73.3	72.7	72.4	72.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997158

CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	70.4	68.6	67.6	67.1	66.8	66.6
68°	68.5	66.8	65.8	65.2	64.8	64.7
68.5°	66.7	64.9	63.9	63.2	63.0	62.8
69°	64.8	63.0	62.0	61.4	61.2	61.0
69.5°	62.9	61.0	60.1	59.5	59.2	59.1
70°	61.0	59.2	58.3	57.6	57.3	57.2
70.5°	59.1	57.3	56.4	55.6	55.3	55.2
71°	57.3	55.5	54.4	53.8	53.4	53.3
71.5°	55.2	53.4	52.5	51.9	51.4	51.5
72°	53.4	51.6	50.6	50.0	49.6	49.5
72.5°	51.5	49.6	48.7	48.0	47.6	47.7
73°	49.6	47.7	46.8	46.2	45.7	45.7
73.5°	47.6	45.8	45.0	44.2	43.8	43.9
74°	45.7	44.0	43.0	42.4	42.0	42.0
74.5°	43.9	42.1	41.2	40.7	40.0	40.1
75°	42.1	40.1	39.3	38.6	38.4	38.3
75.5°	40.2	38.3	37.5	36.8	36.3	36.4
76°	38.3	36.5	35.6	34.9	34.6	34.6
76.5°	36.5	34.6	33.7	33.0	32.7	32.7
77°	34.6	32.8	31.9	31.2	30.8	31.0
77.5°	32.8	31.0	30.1	29.5	29.1	29.2
78°	30.9	29.3	28.2	27.6	27.2	27.4
78.5°	29.0	27.5	26.5	26.0	25.5	25.6
79°	27.4	25.7	24.7	24.1	23.8	23.8
79.5°	25.7	23.9	23.0	22.5	22.1	22.2
80°	23.9	22.2	21.3	20.8	20.4	20.4
80.5°	22.2	20.5	19.8	19.1	18.8	18.8
81°	20.5	18.9	18.1	17.5	17.2	17.3
81.5°	18.9	17.3	16.6	16.1	15.8	15.8
82°	17.3	15.9	15.0	14.5	14.2	14.3
82.5°	15.8	14.4	13.6	13.1	12.7	12.8
83°	14.4	12.9	12.1	11.7	11.4	11.4
83.5°	12.8	11.5	10.7	10.3	10.0	10.0
84°	11.4	10.1	9.4	9.0	8.7	8.7
84.5°	10.0	8.8	8.1	7.7	7.4	7.5
85°	8.8	7.5	7.0	6.6	6.4	6.3
85.5°	7.5	6.5	5.8	5.5	5.2	5.2
86°	6.3	5.3	4.8	4.5	4.2	4.2
86.5°	5.2	4.3	3.9	3.6	3.3	3.3
87°	4.2	3.4	3.0	2.7	2.5	2.6
87.5°	3.3	2.6	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	0.9	0.9	0.9

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

Scaled Data Report



TEST NUMBER: P997158
CATALOG NUMBER: SMX4SLSFS010-650LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





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

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





21.5°	199.3	199.9	200.0	200.3	201.2	201.7	201.9	202.1	201.9	201.8	201.5
22°	198.8	199.1	199.2	199.6	200.4	201.1	201.0	201.3	201.1	201.2	200.7

Classified

Scaled Data Report

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



44°	146.9	147.4	147.7	148.3	149.8	150.5	150.9	151.2	151.2	150.9	150.2
44.5°	145.5	146.0	146.3	146.9	148.4	149.1	149.4	149.8	149.7	149.5	148.7



66.5°	70.3	70.9	71.5	72.4	74.2	75.1	75.7	76.2	76.2	75.7	74.9
67°	68.4	69.0	69.6	70.4	72.3	73.3	73.9	74.4	74.3	73.8	73.1

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

Scaled Data Report



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	0.8	0.9	1.1	1.0	1.0	0.7

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



21.5°	201.0	200.5	200.1	200.0	199.5	199.3
22°	200.3	199.8	199.3	199.1	198.5	198.8

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

Scaled Data Report



44°	149.5	148.6	147.7	147.2	147.0	146.9
44.5°	148.0	147.2	146.2	145.8	145.3	145.5

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

Scaled Data Report



66.5°	74.2	72.3	71.4	70.7	70.5	70.3
67°	72.4	70.5	69.6	68.9	68.6	68.4

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

Scaled Data Report



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

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)