

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: P997172

Luminaire Tested: **SMX4SLSFSD2W-650LM-3000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410456A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX4SLSFSD2W-650LM-3000K
Description: 4IN SQAURE, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

Summary

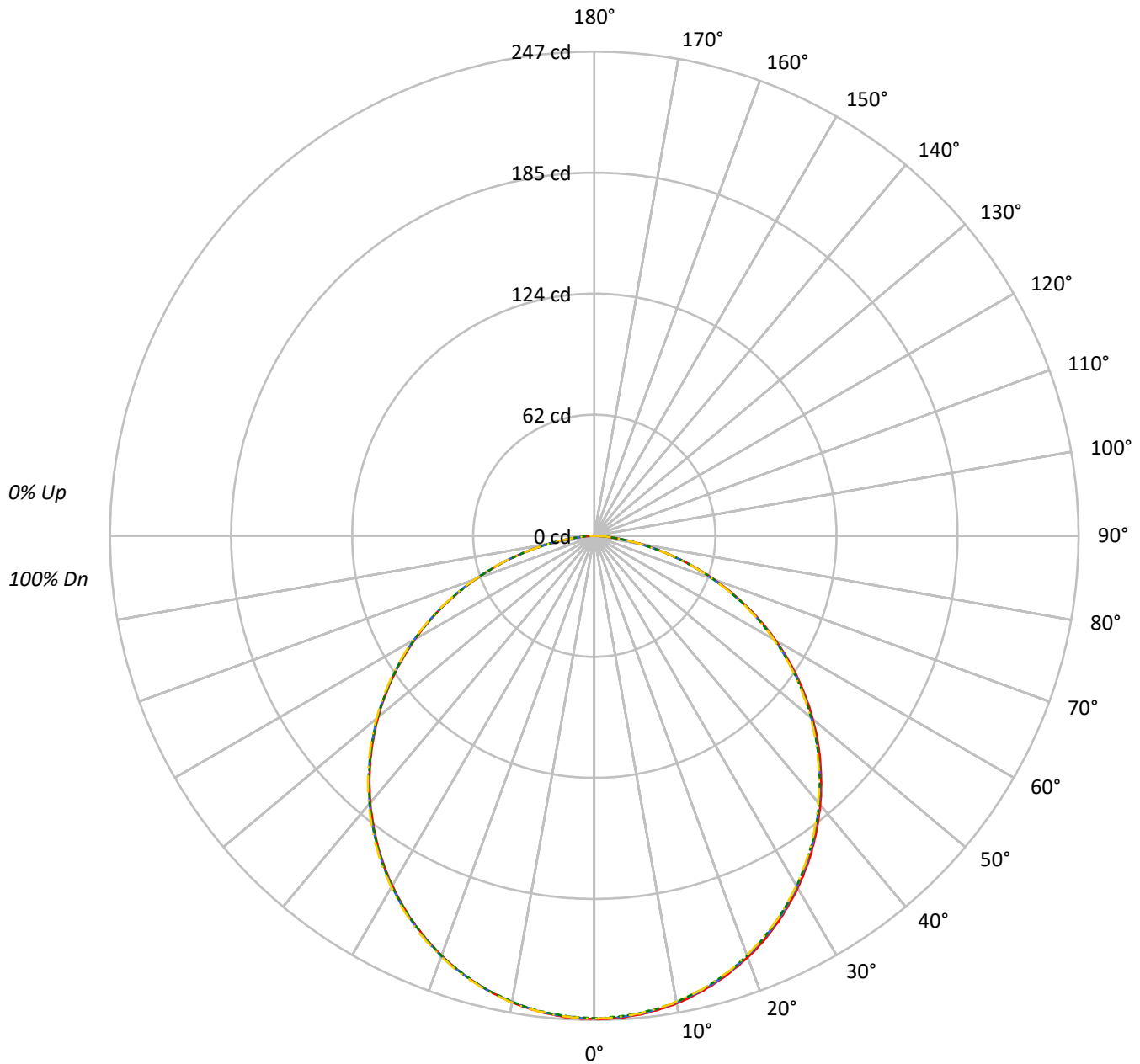
Lumens per Lamp: N/A
Luminaire Lumens: 688.6 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50		
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44		
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38		
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34		
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30		
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27		
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24335	24335	24335	24335
5°	24358	24309	24329	24299
10°	24299	24229	24249	24219
15°	24201	24119	24129	24119
20°	24066	23972	23961	23972
25°	23884	23775	23753	23786
30°	23671	23557	23523	23557
35°	23409	23288	23252	23288
40°	23122	22993	22929	22980
45°	22785	22631	22575	22631
50°	22358	22205	22128	22189
55°	21834	21679	21592	21644
60°	21132	20974	20895	20935
65°	20161	20020	19903	19950
70°	18756	18611	18496	18525
75°	16651	16574	16422	16422
80°	13376	13320	13206	13149
85°	8506	8392	8506	8165



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	3.4
10°-20°	66.6	9.7
20°-30°	100.6	14.6
30°-40°	120.9	17.5
40°-50°	125.0	18.1
50°-60°	112.4	16.3
60°-70°	84.5	12.3
70°-80°	45.8	6.6
80°-90°	9.7	1.4
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°	190.4	27.7
0°-40°	311.3	45.2
0°-60°	548.6	79.7
0°-90°	688.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	246	246	246	246	246	
5°	246	245	245	245	246	23
15°	236	236	236	236	236	67
25°	219	218	218	218	219	101
35°	194	193	193	193	194	121
45°	163	162	162	162	163	126
55°	127	126	125	126	127	113
65°	86	86	85	85	86	85
75°	44	43	43	43	44	46
85°	8	7	8	7	8	10
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°	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2
0.5°	246.7	246.4	246.3	246.1	245.9	246.0	246.3	246.3	246.4	246.5	246.3
1°	246.5	246.5	246.1	246.2	246.0	246.0	246.1	246.3	246.3	246.5	246.1
1.5°	246.5	246.2	246.3	246.0	245.9	245.9	246.2	246.1	246.5	246.2	246.1
2°	246.4	246.4	246.0	246.0	245.6	245.9	246.0	246.1	246.2	246.3	246.1
2.5°	246.3	246.1	245.9	245.6	245.7	245.7	245.9	245.9	246.3	246.2	245.7
3°	246.3	246.1	245.9	245.9	245.6	245.7	245.7	245.8	245.9	246.1	245.7
3.5°	246.2	246.1	245.6	245.5	245.4	245.4	245.6	245.7	246.0	245.9	245.6
4°	245.8	245.8	245.5	245.3	245.3	245.3	245.3	245.4	245.6	245.6	245.4
4.5°	245.7	245.6	245.4	245.1	244.9	245.1	245.3	245.2	245.6	245.5	245.3
5°	245.5	245.4	245.1	244.9	245.0	245.0	244.8	245.1	245.2	245.2	245.0
5.5°	245.4	245.2	244.9	244.7	244.5	244.5	244.9	244.6	244.9	245.0	244.7
6°	245.0	245.0	244.7	244.5	244.3	244.4	244.4	244.5	244.7	244.8	244.6
6.5°	244.8	244.6	244.3	244.1	243.9	244.0	244.3	244.1	244.5	244.5	244.2
7°	244.3	244.3	244.0	243.8	243.9	243.7	243.7	243.9	244.0	244.1	244.0
7.5°	244.3	244.0	243.6	243.4	243.4	243.3	243.5	243.5	243.8	243.7	243.6
8°	243.7	243.7	243.5	243.2	243.0	243.2	243.2	243.1	243.3	243.5	243.2
8.5°	243.5	243.2	242.8	242.6	242.7	242.4	242.6	242.7	243.0	242.9	242.9
9°	242.9	242.8	242.6	242.5	242.2	242.3	242.2	242.3	242.5	242.8	242.3
9.5°	242.7	242.5	242.1	241.8	241.9	241.8	242.0	241.8	242.2	242.1	242.0
10°	242.1	242.1	241.7	241.4	241.4	241.3	241.2	241.3	241.6	241.7	241.5
10.5°	241.8	241.5	241.2	240.8	240.9	240.8	241.1	240.8	241.2	241.3	241.2
11°	241.2	241.1	240.7	240.5	240.4	240.5	240.1	240.5	240.6	240.6	240.4
11.5°	240.8	240.5	240.2	240.0	239.9	239.8	239.9	239.8	240.2	240.2	240.1
12°	240.2	240.0	239.5	239.4	239.3	239.3	239.3	239.3	239.5	239.5	239.4
12.5°	239.5	239.5	239.2	238.8	238.7	238.7	238.7	238.7	239.0	239.0	238.9
13°	239.1	238.8	238.6	238.2	238.3	238.1	238.2	238.1	238.3	238.4	238.4
13.5°	238.6	238.2	237.9	237.5	237.7	237.4	237.7	237.5	237.8	237.9	237.8
14°	237.7	237.7	237.3	237.1	237.1	237.0	236.8	236.9	237.1	237.2	237.1
14.5°	237.4	236.9	236.8	236.2	236.4	236.2	236.4	236.2	236.4	236.5	236.4
15°	236.5	236.5	236.1	235.7	235.7	235.6	235.5	235.6	235.8	236.0	236.0
15.5°	235.8	235.5	235.3	234.9	234.9	234.9	235.0	234.9	235.0	235.1	235.1
16°	235.2	235.2	234.6	234.4	234.4	234.3	234.1	234.1	234.3	234.6	234.5
16.5°	234.5	234.2	233.8	233.5	233.4	233.3	233.4	233.3	233.7	233.8	233.7
17°	233.7	233.6	233.2	232.9	232.9	232.7	232.8	232.6	232.8	232.9	232.9
17.5°	232.9	232.8	232.4	231.8	232.1	231.8	232.0	231.7	232.1	232.2	232.2
18°	232.0	232.0	231.6	231.3	231.3	231.1	231.1	231.1	231.2	231.4	231.4
18.5°	231.4	231.1	230.6	230.2	230.4	230.3	230.4	230.1	230.4	230.6	230.5
19°	230.4	230.5	229.9	229.6	229.5	229.5	229.3	229.5	229.6	229.8	229.8
19.5°	229.7	229.3	229.0	228.6	228.8	228.6	228.7	228.4	228.7	228.8	229.0
20°	228.8	228.7	228.2	228.0	227.9	227.7	227.7	227.6	227.8	228.0	228.1
20.5°	228.0	227.7	227.2	226.9	226.8	226.8	226.7	226.6	227.0	227.2	227.2
21°	227.1	226.8	226.4	225.9	226.0	225.9	225.9	225.7	226.0	226.2	226.2

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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°	224.3	223.9	223.5	223.1	223.1	223.0	222.9	222.8	223.1	223.3	223.3
23°	223.3	223.0	222.6	222.1	222.3	222.1	221.9	221.9	222.1	222.3	222.5
23.5°	222.2	221.9	221.5	221.1	221.1	220.9	221.0	220.9	221.1	221.3	221.3
24°	221.2	221.0	220.5	220.1	220.2	220.0	219.8	219.7	219.9	220.2	220.4
24.5°	220.1	219.9	219.5	218.9	219.1	218.7	218.8	218.9	219.1	219.2	219.4
25°	219.0	218.8	218.4	218.1	218.0	217.8	217.7	217.7	217.8	218.1	218.2
25.5°	218.1	217.6	217.3	216.7	216.9	216.6	216.8	216.6	216.8	217.0	217.1
26°	216.8	216.7	216.3	215.8	216.0	215.5	215.5	215.5	215.7	215.8	216.1
26.5°	215.9	215.6	215.1	214.5	214.6	214.5	214.5	214.4	214.5	214.7	214.9
27°	214.6	214.4	213.9	213.4	213.5	213.5	213.3	213.2	213.4	213.6	213.7
27.5°	213.5	213.1	212.7	212.4	212.3	212.0	212.2	212.0	212.2	212.4	212.7
28°	212.2	212.1	211.5	211.0	211.2	211.1	210.8	210.7	211.0	211.2	211.4
28.5°	211.1	210.9	210.3	209.9	210.0	209.7	209.8	209.6	209.8	210.0	210.2
29°	209.9	209.7	209.2	208.7	208.7	208.5	208.5	208.5	208.6	208.8	208.9
29.5°	208.8	208.4	208.0	207.5	207.6	207.3	207.3	207.2	207.3	207.6	208.0
30°	207.4	207.1	206.7	206.2	206.4	206.2	206.1	206.0	206.1	206.4	206.5
30.5°	206.3	205.9	205.4	204.9	205.0	204.7	204.9	204.5	204.8	205.0	205.2
31°	204.8	204.6	204.2	203.6	203.8	203.6	203.5	203.3	203.6	203.9	203.9
31.5°	203.8	203.3	202.9	202.3	202.5	202.2	202.2	202.1	202.2	202.5	202.7
32°	202.2	202.0	201.5	201.0	201.2	200.9	200.7	200.7	201.0	201.3	201.4
32.5°	201.0	200.7	200.2	199.7	199.8	199.6	199.6	199.5	199.5	199.8	200.0
33°	199.7	199.2	198.9	198.3	198.6	198.3	198.1	198.0	198.2	198.5	198.7
33.5°	198.4	198.0	197.5	197.0	197.2	196.9	196.8	196.7	196.9	197.1	197.3
34°	196.9	196.6	196.0	195.5	195.8	195.4	195.4	195.3	195.4	195.6	195.9
34.5°	195.6	195.2	194.8	194.2	194.2	194.1	194.0	193.9	194.1	194.4	194.6
35°	194.0	193.9	193.3	192.8	193.0	192.7	192.7	192.6	192.7	192.9	193.1
35.5°	192.8	192.4	192.0	191.3	191.6	191.2	191.2	191.0	191.2	191.3	191.8
36°	191.2	191.0	190.5	190.0	190.2	190.0	189.8	189.6	189.8	190.2	190.2
36.5°	189.9	189.5	189.0	188.4	188.6	188.3	188.4	188.1	188.3	188.5	188.9
37°	188.3	188.1	187.5	187.0	187.3	187.0	186.8	186.7	186.9	187.3	187.4
37.5°	186.9	186.5	186.1	185.5	185.6	185.4	185.3	185.2	185.3	185.6	185.9
38°	185.4	185.2	184.5	184.0	184.4	184.0	183.9	183.7	183.9	184.2	184.5
38.5°	183.9	183.6	183.0	182.5	182.7	182.4	182.2	182.2	182.3	182.6	182.8
39°	182.2	182.1	181.5	181.0	181.3	180.9	180.8	180.8	180.8	181.1	181.5
39.5°	181.0	180.5	180.0	179.4	179.7	179.3	179.3	179.1	179.3	179.5	179.8
40°	179.2	179.1	178.3	177.8	178.2	177.8	177.6	177.5	177.7	178.0	178.3
40.5°	177.7	177.3	176.9	176.3	176.5	176.2	176.0	175.9	176.2	176.4	176.7
41°	176.2	175.9	175.2	174.8	175.1	174.6	174.6	174.5	174.6	174.8	175.2
41.5°	174.6	174.1	173.7	173.0	173.3	173.0	172.8	172.8	172.9	173.2	173.6
42°	172.9	172.8	172.0	171.6	171.8	171.5	171.4	171.2	171.3	171.6	172.0
42.5°	171.4	171.0	170.4	169.8	170.2	169.7	169.6	169.6	169.8	170.0	170.3
43°	169.6	169.4	168.9	168.3	168.5	168.3	168.1	168.0	168.2	168.4	168.8
43.5°	168.1	167.7	167.1	166.5	166.9	166.6	166.4	166.3	166.4	166.7	167.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	163.0	162.8	162.1	161.5	161.9	161.6	161.3	161.3	161.5	161.7	162.0
45.5°	161.4	160.9	160.4	159.8	160.2	159.7	159.6	159.7	159.6	160.1	160.3
46°	159.6	159.4	158.7	158.2	158.6	158.1	158.0	157.9	158.1	158.3	158.6
46.5°	157.9	157.5	157.0	156.3	156.7	156.4	156.2	156.1	156.3	156.6	156.9
47°	156.1	155.9	155.1	154.7	155.1	154.6	154.6	154.4	154.6	154.8	155.2
47.5°	154.4	154.0	153.6	152.9	153.4	152.9	152.7	152.7	152.8	153.1	153.3
48°	152.6	152.3	151.7	151.1	151.5	151.2	151.0	150.9	151.1	151.4	151.6
48.5°	150.9	150.5	150.0	149.4	149.8	149.3	149.2	149.2	149.3	149.5	149.8
49°	149.1	148.8	148.3	147.6	148.1	147.6	147.5	147.3	147.5	147.8	148.1
49.5°	147.3	147.0	146.3	145.8	146.1	145.8	145.7	145.6	145.7	145.9	146.3
50°	145.4	145.1	144.6	144.0	144.4	144.1	143.9	143.8	143.9	144.1	144.5
50.5°	143.7	143.4	142.7	142.1	142.5	142.1	142.0	142.0	142.0	142.4	142.7
51°	141.8	141.5	141.0	140.3	140.8	140.3	140.2	140.1	140.4	140.4	140.8
51.5°	140.0	139.7	139.0	138.4	138.8	138.6	138.3	138.4	138.4	138.7	139.1
52°	138.1	137.8	137.4	136.7	137.2	136.7	136.6	136.5	136.6	136.8	137.2
52.5°	136.3	135.9	135.3	134.7	135.1	134.9	134.5	134.6	134.6	135.0	135.4
53°	134.3	134.1	133.5	132.9	133.4	133.0	132.9	132.7	132.8	133.1	133.5
53.5°	132.5	132.2	131.5	130.9	131.4	131.1	130.8	130.9	130.9	131.2	131.5
54°	130.5	130.3	129.7	129.2	129.6	129.2	129.1	129.0	129.1	129.3	129.7
54.5°	128.6	128.3	127.7	127.0	127.6	127.2	127.1	127.0	127.1	127.3	127.8
55°	126.7	126.4	125.9	125.4	125.8	125.4	125.2	125.2	125.3	125.6	125.9
55.5°	124.8	124.5	123.9	123.3	123.7	123.5	123.3	123.2	123.3	123.7	123.9
56°	122.8	122.6	122.0	121.5	121.9	121.5	121.3	121.4	121.5	121.6	121.9
56.5°	120.9	120.6	120.0	119.4	119.9	119.7	119.4	119.3	119.4	119.8	120.1
57°	118.9	118.7	118.0	117.5	118.0	117.6	117.5	117.4	117.4	117.7	118.1
57.5°	116.9	116.6	116.1	115.5	116.0	115.7	115.4	115.4	115.5	115.8	116.2
58°	115.0	114.7	114.1	113.6	114.1	113.7	113.6	113.4	113.5	113.8	114.2
58.5°	112.9	112.6	112.1	111.5	112.0	111.7	111.5	111.5	111.6	111.8	112.3
59°	110.9	110.7	110.2	109.6	110.1	109.7	109.6	109.5	109.6	109.9	110.2
59.5°	108.9	108.6	108.1	107.6	108.1	107.7	107.5	107.5	107.4	107.9	108.2
60°	106.9	106.6	106.1	105.6	106.1	105.6	105.6	105.4	105.7	105.8	106.1
60.5°	104.8	104.6	104.1	103.5	104.1	103.7	103.6	103.5	103.5	103.8	104.2
61°	102.8	102.6	102.0	101.4	102.0	101.6	101.6	101.5	101.5	101.8	102.1
61.5°	100.8	100.6	100.0	99.4	99.9	99.7	99.5	99.4	99.5	99.8	100.2
62°	98.8	98.4	97.9	97.4	97.9	97.6	97.5	97.5	97.5	97.7	98.0
62.5°	96.6	96.4	95.8	95.3	95.9	95.6	95.4	95.3	95.3	95.7	96.1
63°	94.5	94.3	93.8	93.3	93.8	93.4	93.4	93.3	93.4	93.6	93.9
63.5°	92.5	92.3	91.7	91.2	91.7	91.4	91.3	91.1	91.2	91.5	91.9
64°	90.4	90.1	89.6	89.1	89.7	89.3	89.3	89.2	89.3	89.5	89.8
64.5°	88.3	88.1	87.5	87.0	87.6	87.2	87.1	87.0	87.1	87.4	87.8
65°	86.2	85.9	85.4	84.9	85.6	85.2	85.1	85.0	85.1	85.3	85.6
65.5°	84.1	83.9	83.3	82.9	83.4	83.1	83.0	82.9	83.0	83.3	83.6
66°	82.0	81.7	81.2	80.7	81.4	81.0	80.9	80.8	80.9	81.1	81.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997172

CATALOG NUMBER: SMX4SLSFSD2W-650LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	75.6	75.4	74.8	74.4	75.0	74.8	74.6	74.5	74.5	74.8	75.2
68°	73.5	73.2	72.7	72.3	72.9	72.6	72.5	72.4	72.5	72.7	73.0
68.5°	71.3	71.1	70.6	70.1	70.8	70.5	70.4	70.3	70.3	70.6	71.0
69°	69.2	69.0	68.4	68.0	68.6	68.4	68.3	68.2	68.2	68.4	68.8
69.5°	67.0	66.8	66.3	65.9	66.5	66.2	66.2	66.0	66.1	66.4	66.7
70°	64.9	64.6	64.1	63.8	64.4	64.1	64.0	63.9	64.0	64.2	64.5
70.5°	62.8	62.6	62.1	61.6	62.3	62.0	61.9	61.8	61.9	62.1	62.5
71°	60.6	60.4	60.0	59.5	60.2	59.9	59.8	59.8	59.8	60.0	60.3
71.5°	58.5	58.3	57.8	57.3	58.1	57.8	57.7	57.5	57.6	57.9	58.2
72°	56.3	56.1	55.7	55.3	56.0	55.7	55.7	55.6	55.6	55.8	56.1
72.5°	54.2	54.0	53.5	53.1	53.8	53.6	53.6	53.5	53.5	53.7	54.0
73°	52.1	51.8	51.4	51.0	51.7	51.5	51.5	51.4	51.4	51.6	51.8
73.5°	49.9	49.7	49.3	48.9	49.6	49.4	49.4	49.3	49.3	49.5	49.7
74°	47.8	47.6	47.2	46.8	47.5	47.3	47.3	47.1	47.2	47.4	47.5
74.5°	45.7	45.5	45.1	44.7	45.4	45.2	45.1	45.0	45.0	45.3	45.6
75°	43.6	43.4	43.0	42.7	43.4	43.1	43.1	42.9	43.0	43.2	43.4
75.5°	41.6	41.3	40.9	40.5	41.3	41.0	41.0	40.9	40.9	41.1	41.5
76°	39.4	39.2	38.8	38.5	39.2	39.0	38.9	38.8	38.8	39.0	39.3
76.5°	37.4	37.2	36.8	36.4	37.1	36.9	36.9	36.7	36.8	37.0	37.3
77°	35.3	35.1	34.8	34.4	35.1	34.9	34.9	34.8	34.8	35.0	35.2
77.5°	33.3	33.1	32.8	32.4	33.1	32.9	32.8	32.7	32.8	33.0	33.3
78°	31.3	31.1	30.8	30.4	31.1	30.9	30.9	30.8	30.8	31.0	31.3
78.5°	29.3	29.2	28.8	28.5	29.1	28.9	28.9	28.8	28.8	29.0	29.3
79°	27.4	27.2	26.8	26.5	27.2	27.0	27.0	26.9	26.9	27.1	27.4
79.5°	25.4	25.3	24.9	24.6	25.3	25.1	25.0	25.0	25.0	25.3	25.5
80°	23.5	23.4	23.1	22.8	23.4	23.3	23.2	23.2	23.2	23.3	23.5
80.5°	21.7	21.6	21.3	21.0	21.6	21.4	21.4	21.3	21.3	21.5	21.8
81°	20.0	19.9	19.6	19.3	19.8	19.6	19.6	19.5	19.5	19.7	19.9
81.5°	18.3	18.1	17.9	17.6	18.0	17.9	17.8	17.7	17.8	18.0	18.2
82°	16.5	16.4	16.1	15.9	16.3	16.2	16.1	16.1	16.1	16.3	16.4
82.5°	14.8	14.6	14.4	14.2	14.7	14.6	14.5	14.4	14.5	14.6	14.8
83°	13.2	13.0	12.8	12.6	13.1	12.9	12.9	12.8	12.9	13.0	13.2
83.5°	11.6	11.5	11.3	11.0	11.5	11.4	11.4	11.3	11.4	11.5	11.7
84°	10.2	10.1	9.9	9.6	10.1	10.0	10.0	9.9	9.9	10.0	10.2
84.5°	8.8	8.7	8.5	8.3	8.7	8.6	8.6	8.5	8.6	8.7	8.8
85°	7.5	7.4	7.2	7.0	7.4	7.6	7.5	7.4	7.5	7.4	7.5
85.5°	6.3	6.2	6.0	5.8	6.4	6.5	6.4	6.3	6.5	6.4	6.5
86°	5.2	5.1	4.9	4.8	5.4	5.5	5.3	5.3	5.5	5.4	5.5
86.5°	4.1	4.1	4.0	3.8	4.4	4.5	4.2	4.2	4.5	4.5	4.6
87°	3.2	3.2	3.1	3.0	3.4	3.4	3.1	3.1	3.4	3.5	3.6
87.5°	2.5	2.4	2.3	2.3	2.5	2.4	2.4	2.4	2.4	2.5	2.6
88°	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
88.5°	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4

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

Scaled Data Report



TEST NUMBER: P997172
CATALOG NUMBER: SMX4SLSFSD2W-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: P997172

CATALOG NUMBER: SMX4SLSFSD2W-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	246.2	246.2	246.2	246.2	246.2	246.2
0.5°	246.1	245.9	246.0	246.2	246.3	246.7
1°	246.1	245.9	246.2	246.2	246.3	246.5
1.5°	246.1	245.8	245.9	246.2	246.3	246.5
2°	246.0	245.8	245.9	245.8	246.3	246.4
2.5°	245.9	245.6	245.7	246.1	246.1	246.3
3°	245.9	245.7	245.8	245.7	246.1	246.3
3.5°	245.6	245.2	245.5	245.7	245.8	246.2
4°	245.5	245.3	245.5	245.5	245.8	245.8
4.5°	245.1	244.9	245.1	245.4	245.5	245.7
5°	245.1	244.9	245.1	245.1	245.5	245.5
5.5°	244.8	244.6	244.5	245.0	245.0	245.4
6°	244.5	244.2	244.6	244.5	244.9	245.0
6.5°	244.3	244.1	244.2	244.4	244.5	244.8
7°	244.0	243.7	243.9	244.1	244.3	244.3
7.5°	243.5	243.3	243.5	243.7	243.9	244.3
8°	243.4	243.1	243.3	243.3	243.6	243.7
8.5°	242.9	242.7	242.7	243.3	243.1	243.5
9°	242.6	242.2	242.5	242.5	243.1	242.9
9.5°	242.0	241.8	241.9	242.3	242.3	242.7
10°	241.8	241.3	241.7	241.7	242.0	242.1
10.5°	241.2	240.7	240.9	241.4	241.5	241.8
11°	240.6	240.6	240.7	240.7	240.9	241.2
11.5°	240.3	239.7	240.1	240.3	240.6	240.8
12°	239.7	239.3	239.6	239.7	239.9	240.2
12.5°	239.1	238.7	238.9	239.3	239.5	239.5
13°	238.5	238.3	238.5	238.7	238.9	239.1
13.5°	238.0	237.6	237.7	238.1	238.3	238.6
14°	237.4	237.0	237.2	237.5	237.8	237.7
14.5°	236.7	236.3	236.5	236.8	237.0	237.4
15°	236.2	235.7	235.9	236.1	236.5	236.5
15.5°	235.3	235.0	235.1	235.5	235.8	235.8
16°	234.6	234.2	234.5	234.6	235.2	235.2
16.5°	233.8	233.6	233.7	234.2	234.2	234.5
17°	233.2	232.8	233.1	233.2	233.7	233.7
17.5°	232.4	232.0	232.2	232.6	232.8	232.9
18°	231.4	231.2	231.6	231.9	232.0	232.0
18.5°	230.9	230.5	230.7	231.0	231.3	231.4
19°	229.9	229.7	229.9	230.0	230.5	230.4
19.5°	229.1	228.7	229.0	229.4	229.7	229.7
20°	228.2	227.9	228.3	228.4	228.7	228.8
20.5°	227.2	227.0	227.1	227.7	227.9	228.0
21°	226.5	226.1	226.5	226.5	226.9	227.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997172

CATALOG NUMBER: SMX4SLSFSD2W-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	223.6	223.1	223.3	224.0	224.0	224.3
23°	222.5	222.3	222.7	222.8	223.2	223.3
23.5°	221.7	221.3	221.5	222.0	222.1	222.2
24°	220.6	220.2	220.5	220.9	221.2	221.2
24.5°	219.5	219.0	219.4	219.9	220.1	220.1
25°	218.5	218.1	218.3	218.7	219.1	219.0
25.5°	217.3	216.9	217.3	217.7	217.9	218.1
26°	216.2	215.9	216.3	216.5	216.9	216.8
26.5°	215.1	214.6	215.0	215.5	215.7	215.9
27°	214.0	213.6	213.9	214.3	214.6	214.6
27.5°	212.8	212.3	212.8	213.2	213.4	213.5
28°	211.6	211.2	211.5	211.9	212.2	212.2
28.5°	210.4	210.1	210.3	210.8	211.1	211.1
29°	209.3	208.8	209.2	209.5	210.0	209.9
29.5°	208.0	207.7	207.9	208.4	208.6	208.8
30°	206.8	206.4	206.7	207.0	207.6	207.4
30.5°	205.4	205.1	205.4	206.0	206.0	206.3
31°	204.4	203.9	204.2	204.5	205.2	204.8
31.5°	202.8	202.6	202.9	203.5	203.4	203.8
32°	201.8	201.1	201.7	202.0	202.2	202.2
32.5°	200.2	200.0	200.3	200.7	200.9	201.0
33°	199.1	198.6	198.9	199.4	199.7	199.7
33.5°	197.4	197.1	197.6	198.0	198.4	198.4
34°	196.4	195.9	196.3	196.6	196.9	196.9
34.5°	194.7	194.3	194.7	195.2	195.6	195.6
35°	193.5	193.0	193.4	193.8	194.2	194.0
35.5°	192.0	191.6	192.0	192.5	192.8	192.8
36°	190.7	190.2	190.5	190.9	191.3	191.2
36.5°	189.2	188.6	189.1	189.6	189.8	189.9
37°	187.7	187.2	187.7	188.0	188.4	188.3
37.5°	186.2	185.7	186.1	186.7	186.8	186.9
38°	184.8	184.3	184.7	185.0	185.5	185.4
38.5°	183.2	182.8	183.1	183.6	183.9	183.9
39°	181.8	181.1	181.7	182.0	182.5	182.2
39.5°	180.1	179.7	180.1	180.5	180.9	181.0
40°	178.7	178.1	178.5	179.0	179.3	179.2
40.5°	177.0	176.6	176.9	177.5	177.6	177.7
41°	175.6	175.0	175.4	175.8	176.2	176.2
41.5°	173.9	173.4	173.8	174.2	174.5	174.6
42°	172.3	171.8	172.2	172.6	173.0	172.9
42.5°	170.6	170.2	170.6	171.0	171.2	171.4
43°	169.1	168.6	169.0	169.3	169.8	169.6
43.5°	167.4	166.9	167.3	167.8	168.0	168.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997172

CATALOG NUMBER: SMX4SLSFSD2W-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	162.4	161.9	162.3	162.7	163.0	163.0
45.5°	160.7	160.2	160.6	160.9	161.3	161.4
46°	159.0	158.5	158.8	159.3	159.7	159.6
46.5°	157.2	156.6	157.2	157.5	157.9	157.9
47°	155.6	155.0	155.4	155.9	156.1	156.1
47.5°	153.7	153.3	153.7	154.1	154.4	154.4
48°	152.1	151.4	151.9	152.3	152.7	152.6
48.5°	150.2	149.7	150.1	150.6	150.9	150.9
49°	148.5	148.0	148.4	148.8	149.1	149.1
49.5°	146.5	146.2	146.6	146.9	147.2	147.3
50°	145.0	144.3	144.8	145.1	145.5	145.4
50.5°	143.0	142.6	142.9	143.3	143.6	143.7
51°	141.2	140.6	141.1	141.5	141.7	141.8
51.5°	139.4	138.8	139.3	139.6	139.9	140.0
52°	137.6	137.0	137.4	137.8	138.1	138.1
52.5°	135.7	135.2	135.6	135.9	136.3	136.3
53°	133.8	133.1	133.7	134.1	134.3	134.3
53.5°	132.0	131.4	131.8	132.1	132.5	132.5
54°	130.0	129.4	129.8	130.3	130.5	130.5
54.5°	128.1	127.5	128.0	128.3	128.7	128.6
55°	126.3	125.6	126.0	126.5	126.7	126.7
55.5°	124.4	123.8	124.2	124.4	124.7	124.8
56°	122.4	121.7	122.1	122.6	122.9	122.8
56.5°	120.5	119.8	120.3	120.6	120.9	120.9
57°	118.5	117.9	118.3	118.6	119.0	118.9
57.5°	116.5	115.9	116.2	116.6	116.9	116.9
58°	114.5	113.8	114.2	114.7	115.0	115.0
58.5°	112.6	112.0	112.3	112.7	113.0	112.9
59°	110.6	109.9	110.3	110.7	110.9	110.9
59.5°	108.5	107.9	108.3	108.6	109.0	108.9
60°	106.6	105.9	106.3	106.7	107.0	106.9
60.5°	104.5	103.9	104.3	104.6	104.9	104.8
61°	102.5	101.8	102.2	102.5	102.8	102.8
61.5°	100.4	99.8	100.3	100.5	100.8	100.8
62°	98.5	97.7	98.1	98.5	98.7	98.8
62.5°	96.4	95.7	96.1	96.3	96.7	96.6
63°	94.4	93.6	94.0	94.4	94.6	94.5
63.5°	92.2	91.6	92.0	92.2	92.5	92.5
64°	90.2	89.4	89.8	90.2	90.4	90.4
64.5°	88.1	87.4	87.8	88.1	88.3	88.3
65°	86.1	85.3	85.6	85.9	86.3	86.2
65.5°	83.9	83.3	83.6	83.8	84.1	84.1
66°	81.8	81.1	81.5	81.7	82.0	82.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997172

CATALOG NUMBER: SMX4SLSFSD2W-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	75.5	74.8	75.1	75.4	75.7	75.6
68°	73.4	72.6	73.0	73.3	73.5	73.5
68.5°	71.2	70.5	70.9	71.1	71.4	71.3
69°	69.2	68.3	68.7	68.9	69.2	69.2
69.5°	67.0	66.3	66.6	66.8	67.1	67.0
70°	64.9	64.1	64.4	64.7	64.9	64.9
70.5°	62.8	62.0	62.3	62.5	62.8	62.8
71°	60.7	59.9	60.2	60.4	60.6	60.6
71.5°	58.5	57.7	58.1	58.3	58.5	58.5
72°	56.5	55.6	55.9	56.2	56.3	56.3
72.5°	54.4	53.5	53.8	54.0	54.3	54.2
73°	52.2	51.3	51.6	51.9	52.1	52.1
73.5°	50.1	49.2	49.6	49.7	50.0	49.9
74°	48.0	47.1	47.4	47.6	47.8	47.8
74.5°	45.9	45.0	45.3	45.5	45.8	45.7
75°	43.8	43.0	43.2	43.4	43.6	43.6
75.5°	41.7	40.9	41.2	41.3	41.6	41.6
76°	39.6	38.8	39.1	39.2	39.4	39.4
76.5°	37.5	36.7	37.0	37.2	37.4	37.4
77°	35.5	34.7	34.9	35.2	35.3	35.3
77.5°	33.5	32.7	33.0	33.1	33.3	33.3
78°	31.6	30.8	31.0	31.1	31.3	31.3
78.5°	29.5	28.8	29.1	29.1	29.3	29.3
79°	27.6	26.8	27.1	27.2	27.4	27.4
79.5°	25.7	24.9	25.1	25.3	25.5	25.4
80°	23.8	23.1	23.2	23.4	23.5	23.5
80.5°	22.0	21.3	21.5	21.6	21.8	21.7
81°	20.2	19.6	19.8	19.9	20.1	20.0
81.5°	18.3	17.9	18.0	18.1	18.3	18.3
82°	16.6	16.1	16.3	16.4	16.6	16.5
82.5°	15.0	14.4	14.6	14.6	14.8	14.8
83°	13.4	12.8	12.9	13.0	13.2	13.2
83.5°	11.8	11.3	11.4	11.5	11.6	11.6
84°	10.3	9.8	10.0	10.0	10.2	10.2
84.5°	9.0	8.5	8.6	8.6	8.8	8.8
85°	7.7	7.2	7.3	7.4	7.5	7.5
85.5°	6.6	6.0	6.1	6.1	6.3	6.3
86°	5.6	4.9	5.0	5.0	5.1	5.2
86.5°	4.6	3.9	4.0	4.0	4.1	4.1
87°	3.6	3.1	3.1	3.2	3.3	3.2
87.5°	2.6	2.3	2.4	2.4	2.5	2.5
88°	2.0	1.9	1.9	1.9	2.0	2.0
88.5°	1.4	1.4	1.4	1.5	1.5	1.5

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Scaled Data Report



TEST NUMBER: P997172
CATALOG NUMBER: SMX4SLSFSD2W-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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Scaled Data Report

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1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	226.2	225.9	225.3	225.0	225.0	224.8	224.9	224.8	225.0	225.3	225.4
22°	225.1	225.0	224.5	224.1	224.4	224.0	224.0	223.9	224.1	224.4	224.4



44°	166.2	166.2	165.5	165.0	165.3	165.0	164.7	164.7	164.8	165.1	165.3
44.5°	164.7	164.3	163.8	163.2	163.5	163.1	163.1	162.9	163.1	163.4	163.8



66.5°	79.8	79.7	79.1	78.6	79.2	78.9	78.7	78.7	78.7	79.0	79.4
67°	77.7	77.5	77.0	76.5	77.1	76.8	76.7	76.6	76.7	76.9	77.2

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89°	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
89.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7

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21.5°	225.5	224.9	225.3	225.7	226.0	226.2
22°	224.6	224.3	224.6	224.7	225.2	225.1

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44°	165.9	165.1	165.6	166.0	166.4	166.2
44.5°	164.0	163.5	163.9	164.3	164.7	164.7

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66.5°	79.7	79.0	79.4	79.6	79.9	79.8
67°	77.6	76.8	77.2	77.4	77.7	77.7

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89°	1.0	0.9	1.0	1.0	1.0	1.0
89.5°	0.6	0.5	0.5	0.5	0.5	0.5

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(END OF REPORT)