

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: P997142

Luminaire Tested: **SMX4RLSFS010-650LM-3000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410580A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX4RLSFS010-650LM-3000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

Summary

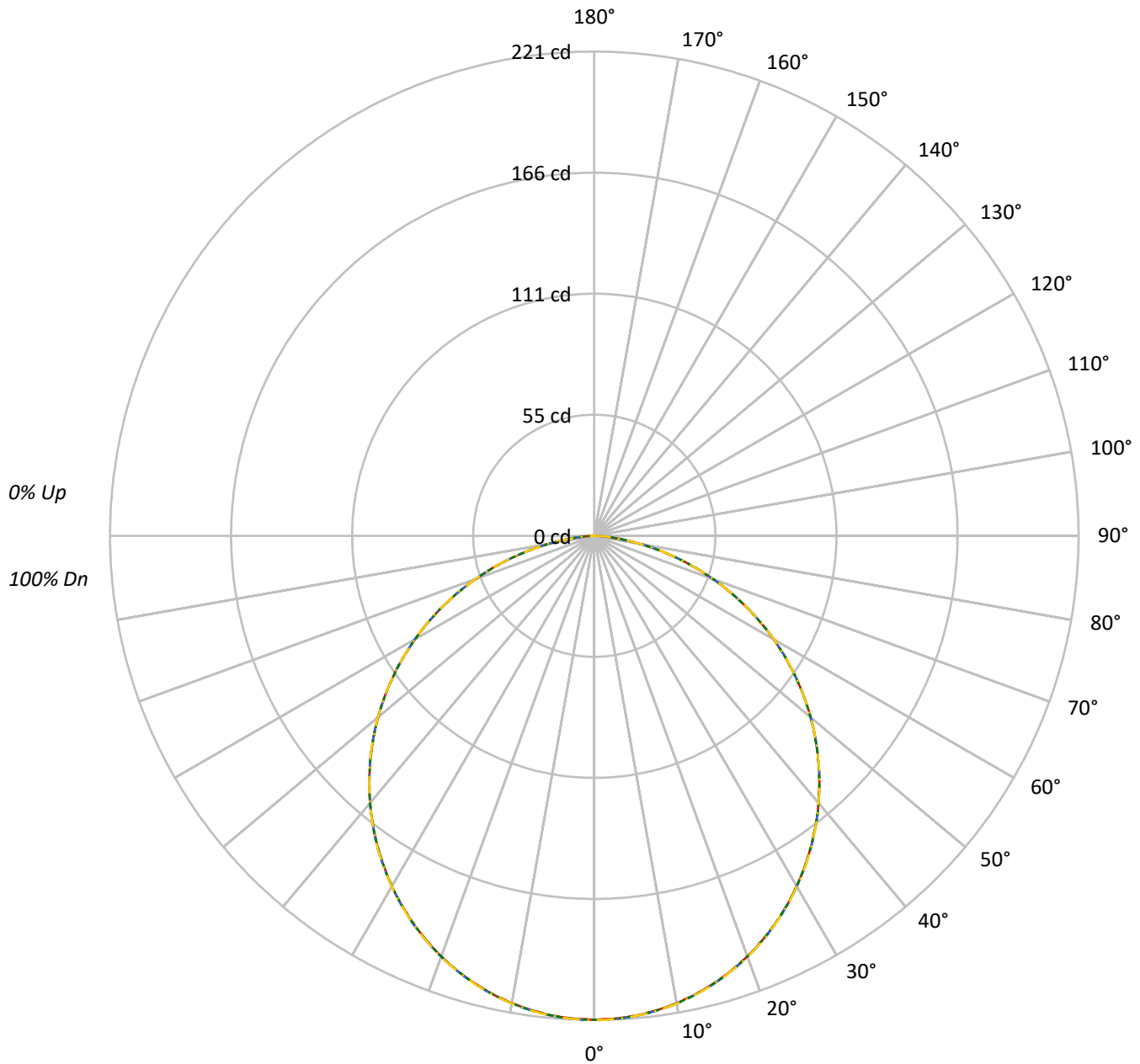
Lumens per Lamp: N/A
Luminaire Lumens: 615.6 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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	75	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	39	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	31	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27800	27800	27800	27800
5°	27767	27767	27767	27767
10°	27680	27692	27680	27692
15°	27543	27556	27543	27556
20°	27361	27361	27361	27361
25°	27119	27119	27119	27119
30°	26840	26840	26840	26840
35°	26517	26517	26517	26517
40°	26154	26154	26154	26154
45°	25718	25718	25718	25718
50°	25217	25217	25217	25217
55°	24596	24596	24596	24596
60°	23786	23786	23786	23786
65°	22721	22691	22721	22691
70°	21158	21158	21158	21158
75°	18866	18866	18866	18866
80°	15292	15292	15292	15292
85°	9675	10108	9675	10108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	3.4
10°-20°	59.7	9.7
20°-30°	90.0	14.6
30°-40°	108.0	17.5
40°-50°	111.5	18.1
50°-60°	100.2	16.3
60°-70°	75.4	12.2
70°-80°	41.1	6.7
80°-90°	8.9	1.5
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°	170.6	27.7
0°-40°	278.6	45.3
0°-60°	490.2	79.6
0°-90°	615.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	221	221	221	221	221	
5°	220	220	220	220	220	21
15°	211	212	211	212	211	60
25°	195	195	195	195	195	90
35°	173	173	173	173	173	108
45°	144	144	144	144	144	111
55°	112	112	112	112	112	100
65°	76	76	76	76	76	75
75°	39	39	39	39	39	41
85°	7	7	7	7	7	9
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°	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9
0.5°	220.9	220.8	221.1	221.0	220.9	221.0	221.1	220.8	220.9	220.8	221.1
1°	220.7	220.8	221.0	221.0	220.9	221.0	221.0	220.8	220.7	220.8	221.0
1.5°	220.7	220.7	221.0	220.9	220.8	220.9	221.0	220.7	220.7	220.7	221.0
2°	220.6	220.6	220.8	220.9	220.7	220.9	220.8	220.6	220.6	220.6	220.8
2.5°	220.6	220.5	220.8	220.7	220.6	220.7	220.8	220.5	220.6	220.5	220.8
3°	220.4	220.4	220.7	220.6	220.6	220.6	220.7	220.4	220.4	220.4	220.7
3.5°	220.3	220.3	220.5	220.5	220.4	220.5	220.5	220.3	220.3	220.3	220.5
4°	220.2	220.1	220.3	220.4	220.3	220.4	220.3	220.1	220.2	220.1	220.3
4.5°	220.0	219.9	220.2	220.1	220.0	220.1	220.2	219.9	220.0	219.9	220.2
5°	219.8	219.8	219.9	219.9	219.8	219.9	219.9	219.8	219.8	219.8	219.9
5.5°	219.6	219.5	219.8	219.7	219.6	219.7	219.8	219.5	219.6	219.5	219.8
6°	219.3	219.3	219.5	219.5	219.4	219.5	219.5	219.3	219.3	219.3	219.5
6.5°	219.0	219.0	219.3	219.2	219.1	219.2	219.3	219.0	219.0	219.0	219.3
7°	218.7	218.7	218.9	219.0	218.9	219.0	218.9	218.7	218.7	218.7	218.9
7.5°	218.5	218.4	218.7	218.6	218.4	218.6	218.7	218.4	218.5	218.4	218.7
8°	218.1	218.1	218.3	218.3	218.2	218.3	218.3	218.1	218.1	218.1	218.3
8.5°	217.8	217.7	218.0	218.0	217.8	218.0	218.0	217.7	217.8	217.7	218.0
9°	217.4	217.3	217.6	217.6	217.5	217.6	217.6	217.3	217.4	217.3	217.6
9.5°	217.0	217.0	217.2	217.2	217.1	217.2	217.2	217.0	217.0	217.0	217.2
10°	216.6	216.6	216.8	216.8	216.7	216.8	216.8	216.6	216.6	216.6	216.8
10.5°	216.3	216.1	216.4	216.4	216.2	216.4	216.4	216.1	216.3	216.1	216.4
11°	215.6	215.7	215.9	215.9	215.8	215.9	215.9	215.7	215.6	215.7	215.9
11.5°	215.2	215.2	215.5	215.4	215.3	215.4	215.5	215.2	215.2	215.2	215.5
12°	214.8	214.7	214.9	215.0	214.9	215.0	214.9	214.7	214.8	214.7	214.9
12.5°	214.2	214.2	214.4	214.4	214.3	214.4	214.4	214.2	214.2	214.2	214.4
13°	213.7	213.7	213.9	213.9	213.8	213.9	213.9	213.7	213.7	213.7	213.9
13.5°	213.2	213.1	213.4	213.3	213.2	213.3	213.4	213.1	213.2	213.1	213.4
14°	212.5	212.5	212.8	212.8	212.7	212.8	212.8	212.5	212.5	212.5	212.8
14.5°	212.0	212.0	212.2	212.2	212.1	212.2	212.2	212.0	212.0	212.0	212.2
15°	211.4	211.3	211.6	211.6	211.5	211.6	211.6	211.3	211.4	211.3	211.6
15.5°	210.8	210.7	211.0	211.0	210.8	211.0	211.0	210.7	210.8	210.7	211.0
16°	210.1	210.1	210.3	210.3	210.2	210.3	210.3	210.1	210.1	210.1	210.3
16.5°	209.5	209.4	209.7	209.6	209.5	209.6	209.7	209.4	209.5	209.4	209.7
17°	208.8	208.7	208.9	208.9	208.9	208.9	208.9	208.7	208.8	208.7	208.9
17.5°	208.1	208.0	208.3	208.2	208.1	208.2	208.3	208.0	208.1	208.0	208.3
18°	207.3	207.3	207.5	207.5	207.4	207.5	207.5	207.3	207.3	207.3	207.5
18.5°	206.7	206.6	206.8	206.8	206.6	206.8	206.8	206.6	206.7	206.6	206.8
19°	205.8	205.8	206.0	206.0	205.9	206.0	206.0	205.8	205.8	205.8	206.0
19.5°	205.1	205.0	205.3	205.2	205.0	205.2	205.3	205.0	205.1	205.0	205.3
20°	204.3	204.2	204.4	204.4	204.3	204.4	204.4	204.2	204.3	204.2	204.4
20.5°	203.5	203.4	203.7	203.6	203.5	203.6	203.7	203.4	203.5	203.4	203.7
21°	202.6	202.6	202.8	202.7	202.7	202.7	202.8	202.6	202.6	202.6	202.8

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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°	200.1	199.9	200.2	200.2	199.9	200.2	200.2	199.9	200.1	199.9	200.2
23°	199.1	199.1	199.3	199.2	199.2	199.2	199.3	199.1	199.1	199.1	199.3
23.5°	198.2	198.1	198.4	198.3	198.2	198.3	198.4	198.1	198.2	198.1	198.4
24°	197.2	197.2	197.4	197.4	197.3	197.4	197.4	197.2	197.2	197.2	197.4
24.5°	196.3	196.2	196.5	196.4	196.2	196.4	196.5	196.2	196.3	196.2	196.5
25°	195.3	195.3	195.5	195.4	195.3	195.4	195.5	195.3	195.3	195.3	195.5
25.5°	194.4	194.3	194.5	194.5	194.3	194.5	194.5	194.3	194.4	194.3	194.5
26°	193.3	193.3	193.5	193.4	193.3	193.4	193.5	193.3	193.3	193.3	193.5
26.5°	192.3	192.2	192.5	192.4	192.2	192.4	192.5	192.2	192.3	192.2	192.5
27°	191.2	191.2	191.4	191.4	191.3	191.4	191.4	191.2	191.2	191.2	191.4
27.5°	190.2	190.1	190.4	190.4	190.2	190.4	190.4	190.1	190.2	190.1	190.4
28°	189.2	189.1	189.3	189.2	189.2	189.2	189.3	189.1	189.2	189.1	189.3
28.5°	188.1	188.0	188.2	188.2	188.0	188.2	188.2	188.0	188.1	188.0	188.2
29°	186.9	186.9	187.1	187.1	187.0	187.1	187.1	186.9	186.9	186.9	187.1
29.5°	185.9	185.8	186.1	186.0	185.8	186.0	186.1	185.8	185.9	185.8	186.1
30°	184.7	184.7	184.8	184.8	184.7	184.8	184.8	184.7	184.7	184.7	184.8
30.5°	183.6	183.5	183.7	183.7	183.6	183.7	183.7	183.5	183.6	183.5	183.7
31°	182.4	182.4	182.6	182.5	182.4	182.5	182.6	182.4	182.4	182.4	182.6
31.5°	181.3	181.2	181.4	181.3	181.2	181.3	181.4	181.2	181.3	181.2	181.4
32°	180.0	180.0	180.2	180.2	180.0	180.2	180.2	180.0	180.0	180.0	180.2
32.5°	178.9	178.7	179.0	179.0	178.8	179.0	179.0	178.7	178.9	178.7	179.0
33°	177.6	177.6	177.8	177.7	177.6	177.7	177.8	177.6	177.6	177.6	177.8
33.5°	176.4	176.3	176.6	176.5	176.3	176.5	176.6	176.3	176.4	176.3	176.6
34°	175.1	175.1	175.3	175.3	175.2	175.3	175.3	175.1	175.1	175.1	175.3
34.5°	173.9	173.8	174.1	174.0	173.8	174.0	174.1	173.8	173.9	173.8	174.1
35°	172.6	172.6	172.8	172.7	172.6	172.7	172.8	172.6	172.6	172.6	172.8
35.5°	171.4	171.3	171.5	171.4	171.3	171.4	171.5	171.3	171.4	171.3	171.5
36°	170.0	170.0	170.2	170.1	170.0	170.1	170.2	170.0	170.0	170.0	170.2
36.5°	168.7	168.6	168.9	168.8	168.7	168.8	168.9	168.6	168.7	168.6	168.9
37°	167.4	167.3	167.5	167.5	167.4	167.5	167.5	167.3	167.4	167.3	167.5
37.5°	166.1	166.0	166.2	166.2	166.0	166.2	166.2	166.0	166.1	166.0	166.2
38°	164.6	164.6	164.8	164.8	164.7	164.8	164.8	164.6	164.6	164.6	164.8
38.5°	163.4	163.2	163.5	163.4	163.3	163.4	163.5	163.2	163.4	163.2	163.5
39°	162.0	161.9	162.1	162.1	162.0	162.1	162.1	161.9	162.0	161.9	162.1
39.5°	160.6	160.5	160.7	160.7	160.5	160.7	160.7	160.5	160.6	160.5	160.7
40°	159.2	159.1	159.3	159.2	159.2	159.2	159.3	159.1	159.2	159.1	159.3
40.5°	157.8	157.7	157.9	157.8	157.7	157.8	157.9	157.7	157.8	157.7	157.9
41°	156.3	156.3	156.4	156.4	156.3	156.4	156.4	156.3	156.3	156.3	156.4
41.5°	154.9	154.8	155.1	155.0	154.8	155.0	155.1	154.8	154.9	154.8	155.1
42°	153.5	153.4	153.6	153.5	153.4	153.5	153.6	153.4	153.5	153.4	153.6
42.5°	152.0	151.9	152.1	152.1	151.9	152.1	152.1	151.9	152.0	151.9	152.1
43°	150.5	150.5	150.6	150.6	150.5	150.6	150.6	150.5	150.5	150.5	150.6
43.5°	149.0	149.0	149.2	149.1	148.9	149.1	149.2	149.0	149.0	149.0	149.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	144.5	144.5	144.6	144.6	144.5	144.6	144.6	144.5	144.5	144.5	144.6
45.5°	143.0	142.9	143.1	143.1	142.9	143.1	143.1	142.9	143.0	142.9	143.1
46°	141.5	141.4	141.6	141.5	141.4	141.5	141.6	141.4	141.5	141.4	141.6
46.5°	139.9	139.9	140.0	140.0	139.8	140.0	140.0	139.9	139.9	139.9	140.0
47°	138.3	138.3	138.5	138.4	138.3	138.4	138.5	138.3	138.3	138.3	138.5
47.5°	136.8	136.7	136.9	136.8	136.7	136.8	136.9	136.7	136.8	136.7	136.9
48°	135.2	135.2	135.3	135.3	135.1	135.3	135.3	135.2	135.2	135.2	135.3
48.5°	133.7	133.6	133.7	133.7	133.5	133.7	133.7	133.6	133.7	133.6	133.7
49°	132.0	132.0	132.1	132.1	132.0	132.1	132.1	132.0	132.0	132.0	132.1
49.5°	130.4	130.4	130.5	130.5	130.3	130.5	130.5	130.4	130.4	130.4	130.5
50°	128.8	128.7	128.9	128.8	128.8	128.8	128.9	128.7	128.8	128.7	128.9
50.5°	127.2	127.1	127.3	127.2	127.1	127.2	127.3	127.1	127.2	127.1	127.3
51°	125.5	125.5	125.6	125.5	125.5	125.5	125.6	125.5	125.5	125.5	125.6
51.5°	123.9	123.9	124.0	123.9	123.8	123.9	124.0	123.9	123.9	123.9	124.0
52°	122.2	122.2	122.3	122.3	122.2	122.3	122.3	122.2	122.2	122.2	122.3
52.5°	120.6	120.5	120.7	120.6	120.5	120.6	120.7	120.5	120.6	120.5	120.7
53°	118.9	118.9	119.0	118.9	118.9	118.9	119.0	118.9	118.9	118.9	119.0
53.5°	117.2	117.2	117.3	117.3	117.1	117.3	117.3	117.2	117.2	117.2	117.3
54°	115.5	115.5	115.6	115.5	115.5	115.5	115.6	115.5	115.5	115.5	115.6
54.5°	113.8	113.8	113.9	113.9	113.7	113.9	113.9	113.8	113.8	113.8	113.9
55°	112.1	112.1	112.2	112.2	112.1	112.2	112.2	112.1	112.1	112.1	112.2
55.5°	110.4	110.4	110.5	110.4	110.3	110.4	110.5	110.4	110.4	110.4	110.5
56°	108.7	108.6	108.7	108.7	108.6	108.7	108.7	108.6	108.7	108.6	108.7
56.5°	106.9	106.9	107.1	107.0	106.9	107.0	107.1	106.9	106.9	106.9	107.1
57°	105.2	105.1	105.2	105.2	105.1	105.2	105.2	105.1	105.2	105.1	105.2
57.5°	103.4	103.4	103.5	103.5	103.4	103.5	103.5	103.4	103.4	103.4	103.5
58°	101.7	101.6	101.7	101.7	101.6	101.7	101.7	101.6	101.7	101.6	101.7
58.5°	99.9	99.9	100.0	100.0	99.8	100.0	100.0	99.9	99.9	99.9	100.0
59°	98.1	98.1	98.2	98.2	98.1	98.2	98.2	98.1	98.1	98.1	98.2
59.5°	96.4	96.3	96.4	96.4	96.3	96.4	96.4	96.3	96.4	96.3	96.4
60°	94.5	94.5	94.6	94.6	94.5	94.6	94.6	94.5	94.5	94.5	94.6
60.5°	92.8	92.8	92.8	92.8	92.7	92.8	92.8	92.8	92.8	92.8	92.8
61°	90.9	90.9	91.0	91.0	90.9	91.0	91.0	90.9	90.9	90.9	91.0
61.5°	89.2	89.1	89.2	89.2	89.1	89.2	89.2	89.1	89.2	89.1	89.2
62°	87.3	87.3	87.4	87.3	87.3	87.3	87.4	87.3	87.3	87.3	87.4
62.5°	85.5	85.5	85.6	85.5	85.4	85.5	85.6	85.5	85.5	85.5	85.6
63°	83.6	83.6	83.7	83.7	83.6	83.7	83.7	83.6	83.6	83.6	83.7
63.5°	81.8	81.8	81.9	81.8	81.7	81.8	81.9	81.8	81.8	81.8	81.9
64°	80.0	79.9	80.0	80.0	79.9	80.0	80.0	79.9	80.0	79.9	80.0
64.5°	78.1	78.1	78.2	78.2	78.1	78.2	78.2	78.1	78.1	78.1	78.2
65°	76.3	76.3	76.3	76.3	76.2	76.3	76.3	76.3	76.3	76.3	76.3
65.5°	74.4	74.4	74.5	74.4	74.3	74.4	74.5	74.4	74.4	74.4	74.5
66°	72.5	72.5	72.6	72.6	72.5	72.6	72.6	72.5	72.5	72.5	72.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997142

CATALOG NUMBER: SMX4RLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	66.9	66.9	67.0	66.9	66.8	66.9	67.0	66.9	66.9	66.9	67.0
68°	65.0	65.0	65.1	65.1	65.0	65.1	65.1	65.0	65.0	65.0	65.1
68.5°	63.2	63.1	63.2	63.2	63.1	63.2	63.2	63.1	63.2	63.1	63.2
69°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
69.5°	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
70°	57.5	57.5	57.6	57.5	57.5	57.5	57.6	57.5	57.5	57.5	57.6
70.5°	55.6	55.6	55.7	55.7	55.6	55.7	55.7	55.6	55.6	55.6	55.7
71°	53.7	53.7	53.8	53.8	53.7	53.8	53.8	53.7	53.7	53.7	53.8
71.5°	51.9	51.8	51.9	51.9	51.9	51.9	51.9	51.8	51.9	51.8	51.9
72°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72.5°	48.1	48.1	48.2	48.1	48.1	48.1	48.2	48.1	48.1	48.1	48.2
73°	46.2	46.2	46.3	46.3	46.2	46.3	46.3	46.2	46.2	46.2	46.3
73.5°	44.4	44.4	44.4	44.4	44.3	44.4	44.4	44.4	44.4	44.4	44.4
74°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
74.5°	40.6	40.6	40.7	40.7	40.6	40.7	40.7	40.6	40.6	40.6	40.7
75°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
75.5°	36.9	36.9	37.0	37.0	36.9	37.0	37.0	36.9	36.9	36.9	37.0
76°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
76.5°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
77°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
77.5°	29.7	29.7	29.8	29.8	29.7	29.8	29.8	29.7	29.7	29.7	29.8
78°	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.9	28.0	28.0
78.5°	26.2	26.2	26.2	26.3	26.2	26.3	26.2	26.2	26.2	26.2	26.2
79°	24.5	24.5	24.5	24.6	24.5	24.6	24.5	24.5	24.5	24.5	24.5
79.5°	22.7	22.8	22.8	22.9	22.8	22.9	22.8	22.8	22.7	22.8	22.8
80°	21.1	21.1	21.2	21.2	21.1	21.2	21.2	21.1	21.1	21.1	21.2
80.5°	19.5	19.5	19.5	19.6	19.5	19.6	19.5	19.5	19.5	19.5	19.5
81°	17.9	17.9	17.9	18.0	17.9	18.0	17.9	17.9	17.9	17.9	17.9
81.5°	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.3	16.3	16.4
82°	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.8	14.8	14.8	14.9
82.5°	13.2	13.3	13.4	13.4	13.4	13.4	13.4	13.3	13.2	13.3	13.4
83°	11.8	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.9	11.9
83.5°	10.4	10.5	10.6	10.6	10.7	10.6	10.6	10.5	10.4	10.5	10.6
84°	9.1	9.2	9.3	9.4	9.4	9.4	9.3	9.2	9.1	9.2	9.3
84.5°	7.8	7.9	8.1	8.2	8.2	8.2	8.1	7.9	7.8	7.9	8.1
85°	6.7	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.7	6.8	6.9
85.5°	5.6	5.7	5.8	5.9	5.9	5.9	5.8	5.7	5.6	5.7	5.8
86°	4.7	4.7	4.7	4.9	4.9	4.9	4.7	4.7	4.7	4.7	4.7
86.5°	3.8	3.7	3.9	4.0	4.0	4.0	3.9	3.7	3.8	3.7	3.9
87°	2.9	3.0	3.2	3.3	3.2	3.3	3.2	3.0	2.9	3.0	3.2
87.5°	2.2	2.3	2.5	2.7	2.5	2.7	2.5	2.3	2.2	2.3	2.5
88°	1.6	1.7	1.8	2.1	2.0	2.1	1.8	1.7	1.6	1.7	1.8
88.5°	1.1	1.2	1.4	1.5	1.5	1.5	1.4	1.2	1.1	1.2	1.4

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

Scaled Data Report



TEST NUMBER: P997142
CATALOG NUMBER: SMX4RLSFS010-650LM-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: P997142

CATALOG NUMBER: SMX4RLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	220.9	220.9	220.9	220.9	220.9	220.9
0.5°	221.0	220.9	221.0	221.1	220.8	220.9
1°	221.0	220.9	221.0	221.0	220.8	220.7
1.5°	220.9	220.8	220.9	221.0	220.7	220.7
2°	220.9	220.7	220.9	220.8	220.6	220.6
2.5°	220.7	220.6	220.7	220.8	220.5	220.6
3°	220.6	220.6	220.6	220.7	220.4	220.4
3.5°	220.5	220.4	220.5	220.5	220.3	220.3
4°	220.4	220.3	220.4	220.3	220.1	220.2
4.5°	220.1	220.0	220.1	220.2	219.9	220.0
5°	219.9	219.8	219.9	219.9	219.8	219.8
5.5°	219.7	219.6	219.7	219.8	219.5	219.6
6°	219.5	219.4	219.5	219.5	219.3	219.3
6.5°	219.2	219.1	219.2	219.3	219.0	219.0
7°	219.0	218.9	219.0	218.9	218.7	218.7
7.5°	218.6	218.4	218.6	218.7	218.4	218.5
8°	218.3	218.2	218.3	218.3	218.1	218.1
8.5°	218.0	217.8	218.0	218.0	217.7	217.8
9°	217.6	217.5	217.6	217.6	217.3	217.4
9.5°	217.2	217.1	217.2	217.2	217.0	217.0
10°	216.8	216.7	216.8	216.8	216.6	216.6
10.5°	216.4	216.2	216.4	216.4	216.1	216.3
11°	215.9	215.8	215.9	215.9	215.7	215.6
11.5°	215.4	215.3	215.4	215.5	215.2	215.2
12°	215.0	214.9	215.0	214.9	214.7	214.8
12.5°	214.4	214.3	214.4	214.4	214.2	214.2
13°	213.9	213.8	213.9	213.9	213.7	213.7
13.5°	213.3	213.2	213.3	213.4	213.1	213.2
14°	212.8	212.7	212.8	212.8	212.5	212.5
14.5°	212.2	212.1	212.2	212.2	212.0	212.0
15°	211.6	211.5	211.6	211.6	211.3	211.4
15.5°	211.0	210.8	211.0	211.0	210.7	210.8
16°	210.3	210.2	210.3	210.3	210.1	210.1
16.5°	209.6	209.5	209.6	209.7	209.4	209.5
17°	208.9	208.9	208.9	208.9	208.7	208.8
17.5°	208.2	208.1	208.2	208.3	208.0	208.1
18°	207.5	207.4	207.5	207.5	207.3	207.3
18.5°	206.8	206.6	206.8	206.8	206.6	206.7
19°	206.0	205.9	206.0	206.0	205.8	205.8
19.5°	205.2	205.0	205.2	205.3	205.0	205.1
20°	204.4	204.3	204.4	204.4	204.2	204.3
20.5°	203.6	203.5	203.6	203.7	203.4	203.5
21°	202.7	202.7	202.7	202.8	202.6	202.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997142

CATALOG NUMBER: SMX4RLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	200.2	199.9	200.2	200.2	199.9	200.1
23°	199.2	199.2	199.2	199.3	199.1	199.1
23.5°	198.3	198.2	198.3	198.4	198.1	198.2
24°	197.4	197.3	197.4	197.4	197.2	197.2
24.5°	196.4	196.2	196.4	196.5	196.2	196.3
25°	195.4	195.3	195.4	195.5	195.3	195.3
25.5°	194.5	194.3	194.5	194.5	194.3	194.4
26°	193.4	193.3	193.4	193.5	193.3	193.3
26.5°	192.4	192.2	192.4	192.5	192.2	192.3
27°	191.4	191.3	191.4	191.4	191.2	191.2
27.5°	190.4	190.2	190.4	190.4	190.1	190.2
28°	189.2	189.2	189.2	189.3	189.1	189.2
28.5°	188.2	188.0	188.2	188.2	188.0	188.1
29°	187.1	187.0	187.1	187.1	186.9	186.9
29.5°	186.0	185.8	186.0	186.1	185.8	185.9
30°	184.8	184.7	184.8	184.8	184.7	184.7
30.5°	183.7	183.6	183.7	183.7	183.5	183.6
31°	182.5	182.4	182.5	182.6	182.4	182.4
31.5°	181.3	181.2	181.3	181.4	181.2	181.3
32°	180.2	180.0	180.2	180.2	180.0	180.0
32.5°	179.0	178.8	179.0	179.0	178.7	178.9
33°	177.7	177.6	177.7	177.8	177.6	177.6
33.5°	176.5	176.3	176.5	176.6	176.3	176.4
34°	175.3	175.2	175.3	175.3	175.1	175.1
34.5°	174.0	173.8	174.0	174.1	173.8	173.9
35°	172.7	172.6	172.7	172.8	172.6	172.6
35.5°	171.4	171.3	171.4	171.5	171.3	171.4
36°	170.1	170.0	170.1	170.2	170.0	170.0
36.5°	168.8	168.7	168.8	168.9	168.6	168.7
37°	167.5	167.4	167.5	167.5	167.3	167.4
37.5°	166.2	166.0	166.2	166.2	166.0	166.1
38°	164.8	164.7	164.8	164.8	164.6	164.6
38.5°	163.4	163.3	163.4	163.5	163.2	163.4
39°	162.1	162.0	162.1	162.1	161.9	162.0
39.5°	160.7	160.5	160.7	160.7	160.5	160.6
40°	159.2	159.2	159.2	159.3	159.1	159.2
40.5°	157.8	157.7	157.8	157.9	157.7	157.8
41°	156.4	156.3	156.4	156.4	156.3	156.3
41.5°	155.0	154.8	155.0	155.1	154.8	154.9
42°	153.5	153.4	153.5	153.6	153.4	153.5
42.5°	152.1	151.9	152.1	152.1	151.9	152.0
43°	150.6	150.5	150.6	150.6	150.5	150.5
43.5°	149.1	148.9	149.1	149.2	149.0	149.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997142

CATALOG NUMBER: SMX4RLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	144.6	144.5	144.6	144.6	144.5	144.5
45.5°	143.1	142.9	143.1	143.1	142.9	143.0
46°	141.5	141.4	141.5	141.6	141.4	141.5
46.5°	140.0	139.8	140.0	140.0	139.9	139.9
47°	138.4	138.3	138.4	138.5	138.3	138.3
47.5°	136.8	136.7	136.8	136.9	136.7	136.8
48°	135.3	135.1	135.3	135.3	135.2	135.2
48.5°	133.7	133.5	133.7	133.7	133.6	133.7
49°	132.1	132.0	132.1	132.1	132.0	132.0
49.5°	130.5	130.3	130.5	130.5	130.4	130.4
50°	128.8	128.8	128.8	128.9	128.7	128.8
50.5°	127.2	127.1	127.2	127.3	127.1	127.2
51°	125.5	125.5	125.5	125.6	125.5	125.5
51.5°	123.9	123.8	123.9	124.0	123.9	123.9
52°	122.3	122.2	122.3	122.3	122.2	122.2
52.5°	120.6	120.5	120.6	120.7	120.5	120.6
53°	118.9	118.9	118.9	119.0	118.9	118.9
53.5°	117.3	117.1	117.3	117.3	117.2	117.2
54°	115.5	115.5	115.5	115.6	115.5	115.5
54.5°	113.9	113.7	113.9	113.9	113.8	113.8
55°	112.2	112.1	112.2	112.2	112.1	112.1
55.5°	110.4	110.3	110.4	110.5	110.4	110.4
56°	108.7	108.6	108.7	108.7	108.6	108.7
56.5°	107.0	106.9	107.0	107.1	106.9	106.9
57°	105.2	105.1	105.2	105.2	105.1	105.2
57.5°	103.5	103.4	103.5	103.5	103.4	103.4
58°	101.7	101.6	101.7	101.7	101.6	101.7
58.5°	100.0	99.8	100.0	100.0	99.9	99.9
59°	98.2	98.1	98.2	98.2	98.1	98.1
59.5°	96.4	96.3	96.4	96.4	96.3	96.4
60°	94.6	94.5	94.6	94.6	94.5	94.5
60.5°	92.8	92.7	92.8	92.8	92.8	92.8
61°	91.0	90.9	91.0	91.0	90.9	90.9
61.5°	89.2	89.1	89.2	89.2	89.1	89.2
62°	87.3	87.3	87.3	87.4	87.3	87.3
62.5°	85.5	85.4	85.5	85.6	85.5	85.5
63°	83.7	83.6	83.7	83.7	83.6	83.6
63.5°	81.8	81.7	81.8	81.9	81.8	81.8
64°	80.0	79.9	80.0	80.0	79.9	80.0
64.5°	78.2	78.1	78.2	78.2	78.1	78.1
65°	76.3	76.2	76.3	76.3	76.3	76.3
65.5°	74.4	74.3	74.4	74.5	74.4	74.4
66°	72.6	72.5	72.6	72.6	72.5	72.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997142

CATALOG NUMBER: SMX4RLSFS010-650LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	66.9	66.8	66.9	67.0	66.9	66.9
68°	65.1	65.0	65.1	65.1	65.0	65.0
68.5°	63.2	63.1	63.2	63.2	63.1	63.2
69°	61.3	61.3	61.3	61.3	61.3	61.3
69.5°	59.4	59.4	59.4	59.4	59.4	59.4
70°	57.5	57.5	57.5	57.6	57.5	57.5
70.5°	55.7	55.6	55.7	55.7	55.6	55.6
71°	53.8	53.7	53.8	53.8	53.7	53.7
71.5°	51.9	51.9	51.9	51.9	51.8	51.9
72°	50.0	50.0	50.0	50.0	50.0	50.0
72.5°	48.1	48.1	48.1	48.2	48.1	48.1
73°	46.3	46.2	46.3	46.3	46.2	46.2
73.5°	44.4	44.3	44.4	44.4	44.4	44.4
74°	42.5	42.5	42.5	42.5	42.5	42.5
74.5°	40.7	40.6	40.7	40.7	40.6	40.6
75°	38.8	38.8	38.8	38.8	38.8	38.8
75.5°	37.0	36.9	37.0	37.0	36.9	36.9
76°	35.1	35.1	35.1	35.1	35.1	35.1
76.5°	33.3	33.3	33.3	33.3	33.3	33.3
77°	31.5	31.5	31.5	31.5	31.5	31.5
77.5°	29.8	29.7	29.8	29.8	29.7	29.7
78°	28.0	28.0	28.0	28.0	28.0	27.9
78.5°	26.3	26.2	26.3	26.2	26.2	26.2
79°	24.6	24.5	24.6	24.5	24.5	24.5
79.5°	22.9	22.8	22.9	22.8	22.8	22.7
80°	21.2	21.1	21.2	21.2	21.1	21.1
80.5°	19.6	19.5	19.6	19.5	19.5	19.5
81°	18.0	17.9	18.0	17.9	17.9	17.9
81.5°	16.4	16.4	16.4	16.4	16.3	16.3
82°	14.9	14.9	14.9	14.9	14.8	14.8
82.5°	13.4	13.4	13.4	13.4	13.3	13.2
83°	12.0	12.0	12.0	11.9	11.9	11.8
83.5°	10.6	10.7	10.6	10.6	10.5	10.4
84°	9.4	9.4	9.4	9.3	9.2	9.1
84.5°	8.2	8.2	8.2	8.1	7.9	7.8
85°	7.0	7.0	7.0	6.9	6.8	6.7
85.5°	5.9	5.9	5.9	5.8	5.7	5.6
86°	4.9	4.9	4.9	4.7	4.7	4.7
86.5°	4.0	4.0	4.0	3.9	3.7	3.8
87°	3.3	3.2	3.3	3.2	3.0	2.9
87.5°	2.7	2.5	2.7	2.5	2.3	2.2
88°	2.1	2.0	2.1	1.8	1.7	1.6
88.5°	1.5	1.5	1.5	1.4	1.2	1.1

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Scaled Data Report



TEST NUMBER: P997142
CATALOG NUMBER: SMX4RLSFS010-650LM-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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	201.8	201.7	202.0	201.9	201.8	201.9	202.0	201.7	201.8	201.7	202.0
22°	200.8	200.8	201.1	201.0	200.9	201.0	201.1	200.8	200.8	200.8	201.1



44°	147.5	147.5	147.6	147.6	147.5	147.6	147.6	147.5	147.5	147.5	147.6
44.5°	146.1	146.0	146.2	146.1	146.0	146.1	146.2	146.0	146.1	146.0	146.2

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66.5°	70.7	70.6	70.7	70.7	70.6	70.7	70.7	70.6	70.7	70.6	70.7
67°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8



89°	0.7	0.8	1.0	1.2	1.2	1.2	1.0	0.8	0.7	0.8	1.0
89.5°	0.5	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.5	0.6	0.7

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21.5°	201.9	201.8	201.9	202.0	201.7	201.8
22°	201.0	200.9	201.0	201.1	200.8	200.8

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44°	147.6	147.5	147.6	147.6	147.5	147.5
44.5°	146.1	146.0	146.1	146.2	146.0	146.1

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66.5°	70.7	70.6	70.7	70.7	70.6	70.7
67°	68.8	68.8	68.8	68.8	68.8	68.8

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89°	1.2	1.2	1.2	1.0	0.8	0.7
89.5°	0.9	0.9	0.9	0.7	0.6	0.5

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Scaled Data Report



(END OF REPORT)