

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: P997141

Luminaire Tested: **SMX4RLSFS010-650LM-2700K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997141
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-2700K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

Summary

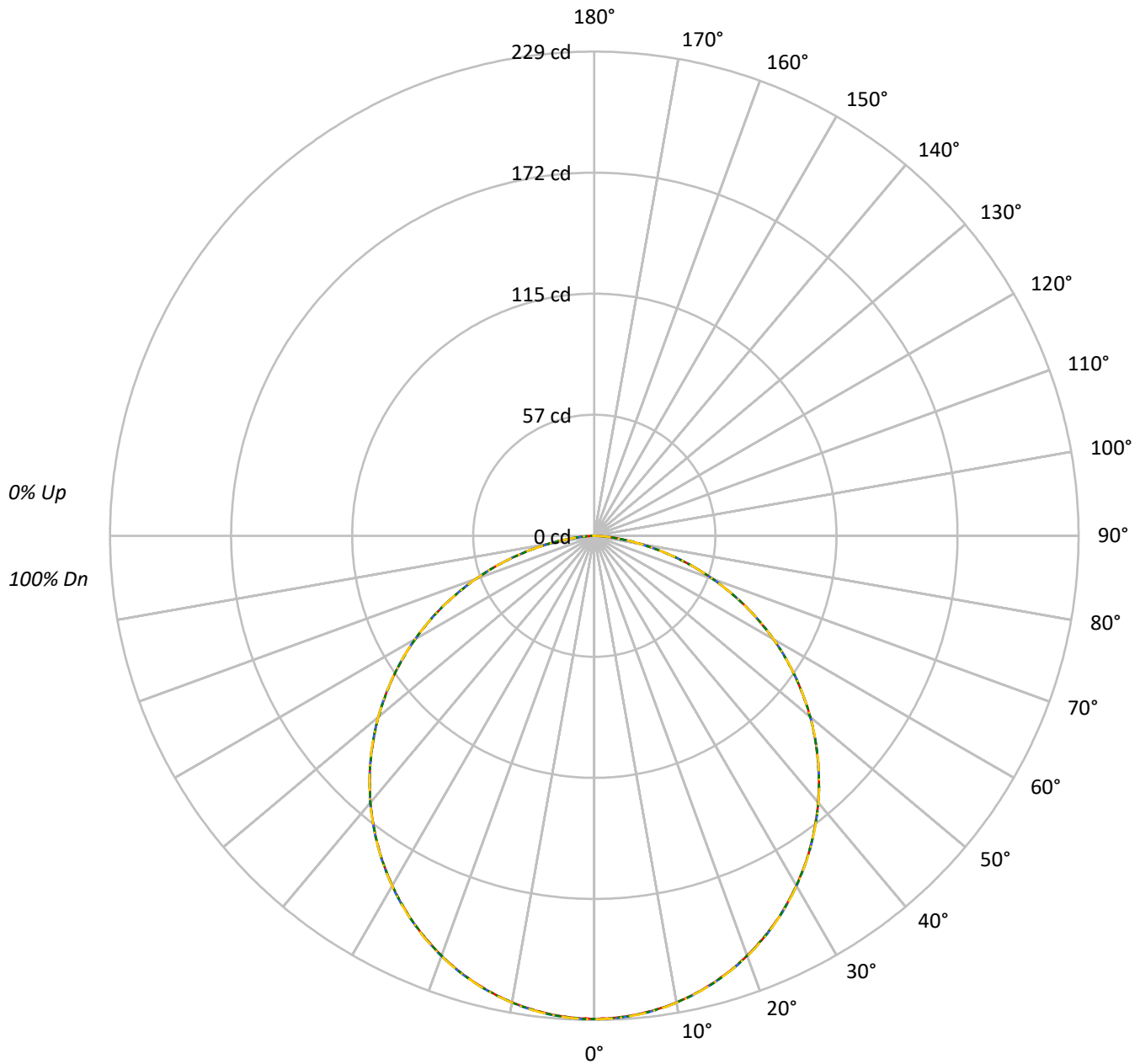
Lumens per Lamp: N/A
Luminaire Lumens: 636.8 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	28769	28769	28769	28769
5°	28728	28728	28728	28728
10°	28638	28651	28638	28651
15°	28494	28507	28494	28507
20°	28299	28299	28299	28299
25°	28050	28064	28050	28064
30°	27770	27770	27770	27770
35°	27424	27439	27424	27439
40°	27058	27058	27058	27058
45°	26608	26608	26608	26608
50°	26098	26079	26098	26079
55°	25452	25452	25452	25452
60°	24616	24616	24616	24616
65°	23495	23495	23495	23495
70°	21894	21894	21894	21894
75°	19498	19498	19498	19498
80°	15799	15799	15799	15799
85°	9963	10541	9963	10541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	3.4
10°-20°	61.7	9.7
20°-30°	93.1	14.6
30°-40°	111.7	17.5
40°-50°	115.3	18.1
50°-60°	103.6	16.3
60°-70°	78.0	12.2
70°-80°	42.5	6.7
80°-90°	9.2	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°	176.5	27.7
0°-40°	288.2	45.3
0°-60°	507.1	79.6
0°-90°	636.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	636.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	229	229	229	229	229	
5°	227	227	227	227	227	22
15°	219	219	219	219	219	62
25°	202	202	202	202	202	93
35°	178	179	178	179	178	112
45°	150	150	150	150	150	115
55°	116	116	116	116	116	104
65°	79	79	79	79	79	78
75°	40	40	40	40	40	42
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°	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6
0.5°	228.5	228.4	228.7	228.6	228.5	228.6	228.7	228.4	228.5	228.4	228.7
1°	228.3	228.4	228.6	228.6	228.6	228.6	228.6	228.4	228.3	228.4	228.6
1.5°	228.4	228.3	228.6	228.5	228.5	228.5	228.6	228.3	228.4	228.3	228.6
2°	228.2	228.2	228.5	228.5	228.3	228.5	228.5	228.2	228.2	228.2	228.5
2.5°	228.2	228.1	228.4	228.4	228.2	228.4	228.4	228.1	228.2	228.1	228.4
3°	228.0	228.0	228.3	228.2	228.2	228.2	228.3	228.0	228.0	228.0	228.3
3.5°	227.9	227.9	228.1	228.1	227.9	228.1	228.1	227.9	227.9	227.9	228.1
4°	227.8	227.7	227.9	228.0	227.9	228.0	227.9	227.7	227.8	227.7	227.9
4.5°	227.5	227.5	227.8	227.7	227.6	227.7	227.8	227.5	227.5	227.5	227.8
5°	227.4	227.3	227.5	227.5	227.4	227.5	227.5	227.3	227.4	227.3	227.5
5.5°	227.1	227.0	227.4	227.3	227.2	227.3	227.4	227.0	227.1	227.0	227.4
6°	226.8	226.8	227.1	227.1	226.9	227.1	227.1	226.8	226.8	226.8	227.1
6.5°	226.5	226.6	226.9	226.8	226.6	226.8	226.9	226.6	226.5	226.6	226.9
7°	226.3	226.2	226.5	226.5	226.4	226.5	226.5	226.2	226.3	226.2	226.5
7.5°	226.0	225.9	226.2	226.2	226.0	226.2	226.2	225.9	226.0	225.9	226.2
8°	225.6	225.6	225.8	225.8	225.7	225.8	225.8	225.6	225.6	225.6	225.8
8.5°	225.3	225.2	225.5	225.5	225.3	225.5	225.5	225.2	225.3	225.2	225.5
9°	224.9	224.8	225.1	225.1	225.0	225.1	225.1	224.8	224.9	224.8	225.1
9.5°	224.5	224.5	224.7	224.7	224.6	224.7	224.7	224.5	224.5	224.5	224.7
10°	224.1	224.0	224.2	224.3	224.2	224.3	224.2	224.0	224.1	224.0	224.2
10.5°	223.7	223.6	223.8	223.8	223.6	223.8	223.8	223.6	223.7	223.6	223.8
11°	223.1	223.1	223.3	223.4	223.3	223.4	223.3	223.1	223.1	223.1	223.3
11.5°	222.6	222.6	222.9	222.8	222.7	222.8	222.9	222.6	222.6	222.6	222.9
12°	222.2	222.1	222.4	222.4	222.3	222.4	222.4	222.1	222.2	222.1	222.4
12.5°	221.6	221.6	221.8	221.8	221.6	221.8	221.8	221.6	221.6	221.6	221.8
13°	221.1	221.1	221.3	221.3	221.2	221.3	221.3	221.1	221.1	221.1	221.3
13.5°	220.6	220.5	220.7	220.7	220.6	220.7	220.7	220.5	220.6	220.5	220.7
14°	219.9	219.9	220.1	220.1	220.1	220.1	220.1	219.9	219.9	219.9	220.1
14.5°	219.3	219.3	219.6	219.5	219.4	219.5	219.6	219.3	219.3	219.3	219.6
15°	218.7	218.6	218.9	218.9	218.8	218.9	218.9	218.6	218.7	218.6	218.9
15.5°	218.0	218.0	218.2	218.3	218.0	218.3	218.2	218.0	218.0	218.0	218.2
16°	217.3	217.3	217.6	217.5	217.5	217.5	217.6	217.3	217.3	217.3	217.6
16.5°	216.7	216.6	216.9	216.8	216.7	216.8	216.9	216.6	216.7	216.6	216.9
17°	216.0	215.9	216.1	216.1	216.1	216.1	216.1	215.9	216.0	215.9	216.1
17.5°	215.3	215.2	215.5	215.4	215.3	215.4	215.5	215.2	215.3	215.2	215.5
18°	214.5	214.4	214.7	214.7	214.6	214.7	214.7	214.4	214.5	214.4	214.7
18.5°	213.8	213.7	214.0	213.9	213.7	213.9	214.0	213.7	213.8	213.7	214.0
19°	212.9	212.9	213.1	213.1	213.0	213.1	213.1	212.9	212.9	212.9	213.1
19.5°	212.2	212.1	212.4	212.3	212.1	212.3	212.4	212.1	212.2	212.1	212.4
20°	211.3	211.2	211.5	211.4	211.3	211.4	211.5	211.2	211.3	211.2	211.5
20.5°	210.5	210.4	210.7	210.6	210.5	210.6	210.7	210.4	210.5	210.4	210.7
21°	209.6	209.5	209.8	209.7	209.7	209.7	209.8	209.5	209.6	209.5	209.8

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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°	207.0	206.8	207.1	207.1	206.8	207.1	207.1	206.8	207.0	206.8	207.1
23°	205.9	205.9	206.2	206.1	206.0	206.1	206.2	205.9	205.9	205.9	206.2
23.5°	205.1	204.9	205.3	205.2	205.0	205.2	205.3	204.9	205.1	204.9	205.3
24°	204.0	204.0	204.2	204.2	204.1	204.2	204.2	204.0	204.0	204.0	204.2
24.5°	203.1	203.0	203.3	203.2	203.0	203.2	203.3	203.0	203.1	203.0	203.3
25°	202.0	202.0	202.2	202.2	202.1	202.2	202.2	202.0	202.0	202.0	202.2
25.5°	201.1	201.0	201.2	201.2	201.0	201.2	201.2	201.0	201.1	201.0	201.2
26°	200.0	199.9	200.2	200.1	200.0	200.1	200.2	199.9	200.0	199.9	200.2
26.5°	198.9	198.9	199.2	199.1	198.9	199.1	199.2	198.9	198.9	198.9	199.2
27°	197.8	197.8	198.0	198.0	197.9	198.0	198.0	197.8	197.8	197.8	198.0
27.5°	196.8	196.7	197.0	196.9	196.7	196.9	197.0	196.7	196.8	196.7	197.0
28°	195.7	195.6	195.8	195.7	195.7	195.7	195.8	195.6	195.7	195.6	195.8
28.5°	194.6	194.5	194.7	194.7	194.5	194.7	194.7	194.5	194.6	194.5	194.7
29°	193.4	193.4	193.6	193.5	193.4	193.5	193.6	193.4	193.4	193.4	193.6
29.5°	192.3	192.2	192.5	192.4	192.2	192.4	192.5	192.2	192.3	192.2	192.5
30°	191.1	191.0	191.2	191.2	191.1	191.2	191.2	191.0	191.1	191.0	191.2
30.5°	189.9	189.8	190.1	190.0	189.9	190.0	190.1	189.8	189.9	189.8	190.1
31°	188.7	188.7	188.9	188.8	188.7	188.8	188.9	188.7	188.7	188.7	188.9
31.5°	187.5	187.4	187.7	187.6	187.4	187.6	187.7	187.4	187.5	187.4	187.7
32°	186.2	186.2	186.4	186.4	186.2	186.4	186.4	186.2	186.2	186.2	186.4
32.5°	185.0	184.9	185.2	185.1	185.0	185.1	185.2	184.9	185.0	184.9	185.2
33°	183.8	183.7	183.9	183.8	183.7	183.8	183.9	183.7	183.8	183.7	183.9
33.5°	182.5	182.4	182.7	182.6	182.4	182.6	182.7	182.4	182.5	182.4	182.7
34°	181.2	181.2	181.3	181.3	181.2	181.3	181.3	181.2	181.2	181.2	181.3
34.5°	179.9	179.8	180.1	180.0	179.8	180.0	180.1	179.8	179.9	179.8	180.1
35°	178.5	178.5	178.7	178.6	178.6	178.6	178.7	178.5	178.5	178.5	178.7
35.5°	177.3	177.2	177.4	177.3	177.2	177.3	177.4	177.2	177.3	177.2	177.4
36°	175.9	175.8	176.0	176.0	175.9	176.0	176.0	175.8	175.9	175.8	176.0
36.5°	174.5	174.5	174.7	174.6	174.5	174.6	174.7	174.5	174.5	174.5	174.7
37°	173.1	173.1	173.3	173.2	173.1	173.2	173.3	173.1	173.1	173.1	173.3
37.5°	171.8	171.7	172.0	171.9	171.7	171.9	172.0	171.7	171.8	171.7	172.0
38°	170.3	170.3	170.5	170.5	170.4	170.5	170.5	170.3	170.3	170.3	170.5
38.5°	169.0	168.9	169.2	169.0	168.9	169.0	169.2	168.9	169.0	168.9	169.2
39°	167.6	167.5	167.7	167.7	167.6	167.7	167.7	167.5	167.6	167.5	167.7
39.5°	166.1	166.1	166.3	166.2	166.1	166.2	166.3	166.1	166.1	166.1	166.3
40°	164.7	164.6	164.8	164.7	164.7	164.7	164.8	164.6	164.7	164.6	164.8
40.5°	163.2	163.1	163.4	163.3	163.1	163.3	163.4	163.1	163.2	163.1	163.4
41°	161.7	161.7	161.8	161.8	161.7	161.8	161.8	161.7	161.7	161.7	161.8
41.5°	160.3	160.2	160.4	160.3	160.2	160.3	160.4	160.2	160.3	160.2	160.4
42°	158.8	158.7	158.9	158.8	158.7	158.8	158.9	158.7	158.8	158.7	158.9
42.5°	157.2	157.2	157.4	157.3	157.2	157.3	157.4	157.2	157.2	157.2	157.4
43°	155.7	155.7	155.8	155.8	155.7	155.8	155.8	155.7	155.7	155.7	155.8
43.5°	154.2	154.1	154.3	154.2	154.1	154.2	154.3	154.1	154.2	154.1	154.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	149.5	149.5	149.6	149.5	149.5	149.5	149.6	149.5	149.5	149.5	149.6
45.5°	147.9	147.9	148.1	148.0	147.8	148.0	148.1	147.9	147.9	147.9	148.1
46°	146.3	146.3	146.5	146.4	146.3	146.4	146.5	146.3	146.3	146.3	146.5
46.5°	144.7	144.7	144.9	144.8	144.6	144.8	144.9	144.7	144.7	144.7	144.9
47°	143.1	143.1	143.2	143.2	143.1	143.2	143.2	143.1	143.1	143.1	143.2
47.5°	141.5	141.4	141.6	141.6	141.4	141.6	141.6	141.4	141.5	141.4	141.6
48°	139.9	139.8	140.0	139.9	139.8	139.9	140.0	139.8	139.9	139.8	140.0
48.5°	138.3	138.2	138.3	138.3	138.1	138.3	138.3	138.2	138.3	138.2	138.3
49°	136.6	136.5	136.7	136.6	136.6	136.6	136.7	136.5	136.6	136.5	136.7
49.5°	134.9	134.9	135.0	135.0	134.8	135.0	135.0	134.9	134.9	134.9	135.0
50°	133.3	133.2	133.4	133.3	133.2	133.3	133.4	133.2	133.3	133.2	133.4
50.5°	131.6	131.5	131.7	131.6	131.4	131.6	131.7	131.5	131.6	131.5	131.7
51°	129.9	129.8	129.9	129.9	129.9	129.9	129.9	129.8	129.9	129.8	129.9
51.5°	128.2	128.1	128.3	128.2	128.1	128.2	128.3	128.1	128.2	128.1	128.3
52°	126.4	126.4	126.6	126.5	126.4	126.5	126.6	126.4	126.4	126.4	126.6
52.5°	124.7	124.7	124.8	124.8	124.7	124.8	124.8	124.7	124.7	124.7	124.8
53°	123.0	123.0	123.1	123.0	123.0	123.0	123.1	123.0	123.0	123.0	123.1
53.5°	121.2	121.2	121.3	121.3	121.2	121.3	121.3	121.2	121.2	121.2	121.3
54°	119.5	119.5	119.6	119.5	119.5	119.5	119.6	119.5	119.5	119.5	119.6
54.5°	117.8	117.7	117.9	117.8	117.7	117.8	117.9	117.7	117.8	117.7	117.9
55°	116.0	115.9	116.1	116.0	116.0	116.0	116.1	115.9	116.0	115.9	116.1
55.5°	114.2	114.2	114.3	114.2	114.1	114.2	114.3	114.2	114.2	114.2	114.3
56°	112.4	112.4	112.5	112.4	112.4	112.4	112.5	112.4	112.4	112.4	112.5
56.5°	110.6	110.6	110.8	110.7	110.6	110.7	110.8	110.6	110.6	110.6	110.8
57°	108.8	108.8	108.9	108.8	108.8	108.8	108.9	108.8	108.8	108.8	108.9
57.5°	107.0	107.0	107.1	107.0	106.9	107.0	107.1	107.0	107.0	107.0	107.1
58°	105.2	105.1	105.3	105.2	105.1	105.2	105.3	105.1	105.2	105.1	105.3
58.5°	103.4	103.3	103.5	103.4	103.3	103.4	103.5	103.3	103.4	103.3	103.5
59°	101.5	101.5	101.6	101.6	101.5	101.6	101.6	101.5	101.5	101.5	101.6
59.5°	99.7	99.6	99.8	99.7	99.6	99.7	99.8	99.6	99.7	99.6	99.8
60°	97.8	97.8	97.9	97.8	97.8	97.8	97.9	97.8	97.8	97.8	97.9
60.5°	95.9	95.9	96.0	96.0	95.9	96.0	96.0	95.9	95.9	95.9	96.0
61°	94.1	94.0	94.1	94.1	94.0	94.1	94.1	94.0	94.1	94.0	94.1
61.5°	92.3	92.2	92.3	92.2	92.1	92.2	92.3	92.2	92.3	92.2	92.3
62°	90.3	90.3	90.4	90.3	90.3	90.3	90.4	90.3	90.3	90.3	90.4
62.5°	88.4	88.4	88.5	88.5	88.4	88.5	88.5	88.4	88.4	88.4	88.5
63°	86.5	86.5	86.6	86.6	86.5	86.6	86.6	86.5	86.5	86.5	86.6
63.5°	84.7	84.6	84.7	84.7	84.6	84.7	84.7	84.6	84.7	84.6	84.7
64°	82.7	82.7	82.8	82.7	82.7	82.7	82.8	82.7	82.7	82.7	82.8
64.5°	80.8	80.8	80.9	80.8	80.8	80.8	80.9	80.8	80.8	80.8	80.9
65°	78.9	78.9	79.0	78.9	78.9	78.9	79.0	78.9	78.9	78.9	79.0
65.5°	77.0	77.0	77.1	77.0	76.9	77.0	77.1	77.0	77.0	77.0	77.1
66°	75.0	75.0	75.1	75.1	75.0	75.1	75.1	75.0	75.0	75.0	75.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997141

CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	69.3	69.2	69.3	69.3	69.1	69.3	69.3	69.2	69.3	69.2	69.3
68°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
68.5°	65.4	65.3	65.4	65.4	65.3	65.4	65.4	65.3	65.4	65.3	65.4
69°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
69.5°	61.5	61.4	61.5	61.5	61.4	61.5	61.5	61.4	61.5	61.4	61.5
70°	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
70.5°	57.6	57.5	57.6	57.6	57.5	57.6	57.6	57.5	57.6	57.5	57.6
71°	55.6	55.6	55.7	55.6	55.6	55.6	55.7	55.6	55.6	55.6	55.7
71.5°	53.6	53.6	53.7	53.7	53.6	53.7	53.7	53.6	53.6	53.6	53.7
72°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
72.5°	49.8	49.7	49.8	49.8	49.7	49.8	49.8	49.7	49.8	49.7	49.8
73°	47.8	47.8	47.9	47.9	47.8	47.9	47.9	47.8	47.8	47.8	47.9
73.5°	45.9	45.9	45.9	45.9	45.8	45.9	45.9	45.9	45.9	45.9	45.9
74°	44.0	44.0	44.0	44.0	43.9	44.0	44.0	44.0	44.0	44.0	44.0
74.5°	42.0	42.0	42.1	42.1	42.0	42.1	42.1	42.0	42.0	42.0	42.1
75°	40.1	40.1	40.2	40.2	40.1	40.2	40.2	40.1	40.1	40.1	40.2
75.5°	38.2	38.2	38.3	38.2	38.2	38.2	38.3	38.2	38.2	38.2	38.3
76°	36.3	36.3	36.3	36.4	36.3	36.4	36.3	36.3	36.3	36.3	36.3
76.5°	34.4	34.4	34.5	34.5	34.4	34.5	34.5	34.4	34.4	34.4	34.5
77°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
77.5°	30.7	30.7	30.8	30.8	30.7	30.8	30.8	30.7	30.7	30.7	30.8
78°	28.9	28.9	28.9	29.0	28.9	29.0	28.9	28.9	28.9	28.9	28.9
78.5°	27.1	27.1	27.1	27.2	27.1	27.2	27.1	27.1	27.1	27.1	27.1
79°	25.3	25.4	25.4	25.4	25.3	25.4	25.4	25.4	25.3	25.4	25.4
79.5°	23.5	23.6	23.6	23.7	23.6	23.7	23.6	23.6	23.5	23.6	23.6
80°	21.8	21.8	21.9	21.9	21.8	21.9	21.9	21.8	21.8	21.8	21.9
80.5°	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.1	20.2	20.2
81°	18.5	18.5	18.6	18.6	18.5	18.6	18.6	18.5	18.5	18.5	18.6
81.5°	16.8	16.9	16.9	17.0	17.0	17.0	16.9	16.9	16.8	16.9	16.9
82°	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.3	15.3	15.3	15.4
82.5°	13.7	13.7	13.8	13.9	13.9	13.9	13.8	13.7	13.7	13.7	13.8
83°	12.2	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.2	12.3	12.3
83.5°	10.8	10.8	10.9	11.0	11.1	11.0	10.9	10.8	10.8	10.8	10.9
84°	9.4	9.5	9.6	9.7	9.8	9.7	9.6	9.5	9.4	9.5	9.6
84.5°	8.1	8.2	8.4	8.5	8.5	8.5	8.4	8.2	8.1	8.2	8.4
85°	6.9	7.0	7.1	7.3	7.3	7.3	7.1	7.0	6.9	7.0	7.1
85.5°	5.8	5.9	6.0	6.1	6.1	6.1	6.0	5.9	5.8	5.9	6.0
86°	4.8	4.9	4.9	5.1	5.0	5.1	4.9	4.9	4.8	4.9	4.9
86.5°	3.9	3.9	4.1	4.2	4.1	4.2	4.1	3.9	3.9	3.9	4.1
87°	3.0	3.1	3.3	3.4	3.3	3.4	3.3	3.1	3.0	3.1	3.3
87.5°	2.2	2.3	2.6	2.8	2.6	2.8	2.6	2.3	2.2	2.3	2.6
88°	1.7	1.7	1.9	2.1	2.0	2.1	1.9	1.7	1.7	1.7	1.9
88.5°	1.2	1.2	1.4	1.6	1.5	1.6	1.4	1.2	1.2	1.2	1.4

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

Scaled Data Report



TEST NUMBER: P997141
CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

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: P997141

CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	228.6	228.6	228.6	228.6	228.6	228.6
0.5°	228.6	228.5	228.6	228.7	228.4	228.5
1°	228.6	228.6	228.6	228.6	228.4	228.3
1.5°	228.5	228.5	228.5	228.6	228.3	228.4
2°	228.5	228.3	228.5	228.5	228.2	228.2
2.5°	228.4	228.2	228.4	228.4	228.1	228.2
3°	228.2	228.2	228.2	228.3	228.0	228.0
3.5°	228.1	227.9	228.1	228.1	227.9	227.9
4°	228.0	227.9	228.0	227.9	227.7	227.8
4.5°	227.7	227.6	227.7	227.8	227.5	227.5
5°	227.5	227.4	227.5	227.5	227.3	227.4
5.5°	227.3	227.2	227.3	227.4	227.0	227.1
6°	227.1	226.9	227.1	227.1	226.8	226.8
6.5°	226.8	226.6	226.8	226.9	226.6	226.5
7°	226.5	226.4	226.5	226.5	226.2	226.3
7.5°	226.2	226.0	226.2	226.2	225.9	226.0
8°	225.8	225.7	225.8	225.8	225.6	225.6
8.5°	225.5	225.3	225.5	225.5	225.2	225.3
9°	225.1	225.0	225.1	225.1	224.8	224.9
9.5°	224.7	224.6	224.7	224.7	224.5	224.5
10°	224.3	224.2	224.3	224.2	224.0	224.1
10.5°	223.8	223.6	223.8	223.8	223.6	223.7
11°	223.4	223.3	223.4	223.3	223.1	223.1
11.5°	222.8	222.7	222.8	222.9	222.6	222.6
12°	222.4	222.3	222.4	222.4	222.1	222.2
12.5°	221.8	221.6	221.8	221.8	221.6	221.6
13°	221.3	221.2	221.3	221.3	221.1	221.1
13.5°	220.7	220.6	220.7	220.7	220.5	220.6
14°	220.1	220.1	220.1	220.1	219.9	219.9
14.5°	219.5	219.4	219.5	219.6	219.3	219.3
15°	218.9	218.8	218.9	218.9	218.6	218.7
15.5°	218.3	218.0	218.3	218.2	218.0	218.0
16°	217.5	217.5	217.5	217.6	217.3	217.3
16.5°	216.8	216.7	216.8	216.9	216.6	216.7
17°	216.1	216.1	216.1	216.1	215.9	216.0
17.5°	215.4	215.3	215.4	215.5	215.2	215.3
18°	214.7	214.6	214.7	214.7	214.4	214.5
18.5°	213.9	213.7	213.9	214.0	213.7	213.8
19°	213.1	213.0	213.1	213.1	212.9	212.9
19.5°	212.3	212.1	212.3	212.4	212.1	212.2
20°	211.4	211.3	211.4	211.5	211.2	211.3
20.5°	210.6	210.5	210.6	210.7	210.4	210.5
21°	209.7	209.7	209.7	209.8	209.5	209.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997141

CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	207.1	206.8	207.1	207.1	206.8	207.0
23°	206.1	206.0	206.1	206.2	205.9	205.9
23.5°	205.2	205.0	205.2	205.3	204.9	205.1
24°	204.2	204.1	204.2	204.2	204.0	204.0
24.5°	203.2	203.0	203.2	203.3	203.0	203.1
25°	202.2	202.1	202.2	202.2	202.0	202.0
25.5°	201.2	201.0	201.2	201.2	201.0	201.1
26°	200.1	200.0	200.1	200.2	199.9	200.0
26.5°	199.1	198.9	199.1	199.2	198.9	198.9
27°	198.0	197.9	198.0	198.0	197.8	197.8
27.5°	196.9	196.7	196.9	197.0	196.7	196.8
28°	195.7	195.7	195.7	195.8	195.6	195.7
28.5°	194.7	194.5	194.7	194.7	194.5	194.6
29°	193.5	193.4	193.5	193.6	193.4	193.4
29.5°	192.4	192.2	192.4	192.5	192.2	192.3
30°	191.2	191.1	191.2	191.2	191.0	191.1
30.5°	190.0	189.9	190.0	190.1	189.8	189.9
31°	188.8	188.7	188.8	188.9	188.7	188.7
31.5°	187.6	187.4	187.6	187.7	187.4	187.5
32°	186.4	186.2	186.4	186.4	186.2	186.2
32.5°	185.1	185.0	185.1	185.2	184.9	185.0
33°	183.8	183.7	183.8	183.9	183.7	183.8
33.5°	182.6	182.4	182.6	182.7	182.4	182.5
34°	181.3	181.2	181.3	181.3	181.2	181.2
34.5°	180.0	179.8	180.0	180.1	179.8	179.9
35°	178.6	178.6	178.6	178.7	178.5	178.5
35.5°	177.3	177.2	177.3	177.4	177.2	177.3
36°	176.0	175.9	176.0	176.0	175.8	175.9
36.5°	174.6	174.5	174.6	174.7	174.5	174.5
37°	173.2	173.1	173.2	173.3	173.1	173.1
37.5°	171.9	171.7	171.9	172.0	171.7	171.8
38°	170.5	170.4	170.5	170.5	170.3	170.3
38.5°	169.0	168.9	169.0	169.2	168.9	169.0
39°	167.7	167.6	167.7	167.7	167.5	167.6
39.5°	166.2	166.1	166.2	166.3	166.1	166.1
40°	164.7	164.7	164.7	164.8	164.6	164.7
40.5°	163.3	163.1	163.3	163.4	163.1	163.2
41°	161.8	161.7	161.8	161.8	161.7	161.7
41.5°	160.3	160.2	160.3	160.4	160.2	160.3
42°	158.8	158.7	158.8	158.9	158.7	158.8
42.5°	157.3	157.2	157.3	157.4	157.2	157.2
43°	155.8	155.7	155.8	155.8	155.7	155.7
43.5°	154.2	154.1	154.2	154.3	154.1	154.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997141

CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	149.5	149.5	149.5	149.6	149.5	149.5
45.5°	148.0	147.8	148.0	148.1	147.9	147.9
46°	146.4	146.3	146.4	146.5	146.3	146.3
46.5°	144.8	144.6	144.8	144.9	144.7	144.7
47°	143.2	143.1	143.2	143.2	143.1	143.1
47.5°	141.6	141.4	141.6	141.6	141.4	141.5
48°	139.9	139.8	139.9	140.0	139.8	139.9
48.5°	138.3	138.1	138.3	138.3	138.2	138.3
49°	136.6	136.6	136.6	136.7	136.5	136.6
49.5°	135.0	134.8	135.0	135.0	134.9	134.9
50°	133.3	133.2	133.3	133.4	133.2	133.3
50.5°	131.6	131.4	131.6	131.7	131.5	131.6
51°	129.9	129.9	129.9	129.9	129.8	129.9
51.5°	128.2	128.1	128.2	128.3	128.1	128.2
52°	126.5	126.4	126.5	126.6	126.4	126.4
52.5°	124.8	124.7	124.8	124.8	124.7	124.7
53°	123.0	123.0	123.0	123.1	123.0	123.0
53.5°	121.3	121.2	121.3	121.3	121.2	121.2
54°	119.5	119.5	119.5	119.6	119.5	119.5
54.5°	117.8	117.7	117.8	117.9	117.7	117.8
55°	116.0	116.0	116.0	116.1	115.9	116.0
55.5°	114.2	114.1	114.2	114.3	114.2	114.2
56°	112.4	112.4	112.4	112.5	112.4	112.4
56.5°	110.7	110.6	110.7	110.8	110.6	110.6
57°	108.8	108.8	108.8	108.9	108.8	108.8
57.5°	107.0	106.9	107.0	107.1	107.0	107.0
58°	105.2	105.1	105.2	105.3	105.1	105.2
58.5°	103.4	103.3	103.4	103.5	103.3	103.4
59°	101.6	101.5	101.6	101.6	101.5	101.5
59.5°	99.7	99.6	99.7	99.8	99.6	99.7
60°	97.8	97.8	97.8	97.9	97.8	97.8
60.5°	96.0	95.9	96.0	96.0	95.9	95.9
61°	94.1	94.0	94.1	94.1	94.0	94.1
61.5°	92.2	92.1	92.2	92.3	92.2	92.3
62°	90.3	90.3	90.3	90.4	90.3	90.3
62.5°	88.5	88.4	88.5	88.5	88.4	88.4
63°	86.6	86.5	86.6	86.6	86.5	86.5
63.5°	84.7	84.6	84.7	84.7	84.6	84.7
64°	82.7	82.7	82.7	82.8	82.7	82.7
64.5°	80.8	80.8	80.8	80.9	80.8	80.8
65°	78.9	78.9	78.9	79.0	78.9	78.9
65.5°	77.0	76.9	77.0	77.1	77.0	77.0
66°	75.1	75.0	75.1	75.1	75.0	75.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997141

CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	69.3	69.1	69.3	69.3	69.2	69.3
68°	67.3	67.3	67.3	67.3	67.3	67.3
68.5°	65.4	65.3	65.4	65.4	65.3	65.4
69°	63.4	63.4	63.4	63.4	63.4	63.4
69.5°	61.5	61.4	61.5	61.5	61.4	61.5
70°	59.5	59.5	59.5	59.5	59.5	59.5
70.5°	57.6	57.5	57.6	57.6	57.5	57.6
71°	55.6	55.6	55.6	55.7	55.6	55.6
71.5°	53.7	53.6	53.7	53.7	53.6	53.6
72°	51.7	51.7	51.7	51.7	51.7	51.7
72.5°	49.8	49.7	49.8	49.8	49.7	49.8
73°	47.9	47.8	47.9	47.9	47.8	47.8
73.5°	45.9	45.8	45.9	45.9	45.9	45.9
74°	44.0	43.9	44.0	44.0	44.0	44.0
74.5°	42.1	42.0	42.1	42.1	42.0	42.0
75°	40.2	40.1	40.2	40.2	40.1	40.1
75.5°	38.2	38.2	38.2	38.3	38.2	38.2
76°	36.4	36.3	36.4	36.3	36.3	36.3
76.5°	34.5	34.4	34.5	34.5	34.4	34.4
77°	32.6	32.6	32.6	32.6	32.6	32.6
77.5°	30.8	30.7	30.8	30.8	30.7	30.7
78°	29.0	28.9	29.0	28.9	28.9	28.9
78.5°	27.2	27.1	27.2	27.1	27.1	27.1
79°	25.4	25.3	25.4	25.4	25.4	25.3
79.5°	23.7	23.6	23.7	23.6	23.6	23.5
80°	21.9	21.8	21.9	21.9	21.8	21.8
80.5°	20.2	20.2	20.2	20.2	20.2	20.1
81°	18.6	18.5	18.6	18.6	18.5	18.5
81.5°	17.0	17.0	17.0	16.9	16.9	16.8
82°	15.4	15.4	15.4	15.4	15.3	15.3
82.5°	13.9	13.9	13.9	13.8	13.7	13.7
83°	12.4	12.4	12.4	12.3	12.3	12.2
83.5°	11.0	11.1	11.0	10.9	10.8	10.8
84°	9.7	9.8	9.7	9.6	9.5	9.4
84.5°	8.5	8.5	8.5	8.4	8.2	8.1
85°	7.3	7.3	7.3	7.1	7.0	6.9
85.5°	6.1	6.1	6.1	6.0	5.9	5.8
86°	5.1	5.0	5.1	4.9	4.9	4.8
86.5°	4.2	4.1	4.2	4.1	3.9	3.9
87°	3.4	3.3	3.4	3.3	3.1	3.0
87.5°	2.8	2.6	2.8	2.6	2.3	2.2
88°	2.1	2.0	2.1	1.9	1.7	1.7
88.5°	1.6	1.5	1.6	1.4	1.2	1.2

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Scaled Data Report



TEST NUMBER: P997141
CATALOG NUMBER: SMX4RLSFS010-650LM-2700K

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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	208.7	208.7	209.0	208.9	208.7	208.9	209.0	208.7	208.7	208.7	209.0
22°	207.7	207.8	208.0	208.0	207.8	208.0	208.0	207.8	207.7	207.8	208.0



44°	152.6	152.6	152.7	152.7	152.7	152.6	152.6	152.6	152.7
44.5°	151.1	151.0	151.2	151.2	151.2	151.0	151.1	151.0	151.2

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66.5°	73.1	73.1	73.2	73.1	73.0	73.1	73.2	73.1	73.1	73.1	73.2
67°	71.1	71.2	71.2	71.2	71.1	71.2	71.2	71.2	71.1	71.2	71.2



89°	0.7	0.9	1.1	1.2	1.2	1.2	1.1	0.9	0.7	0.9	1.1
89.5°	0.5	0.6	0.8	0.9	1.0	0.9	0.8	0.6	0.5	0.6	0.8

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21.5°	208.9	208.7	208.9	209.0	208.7	208.7
22°	208.0	207.8	208.0	208.0	207.8	207.7

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44°	152.7	152.6	152.7	152.7	152.6	152.6
44.5°	151.2	151.0	151.2	151.2	151.0	151.1

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Scaled Data Report



66.5°	73.1	73.0	73.1	73.2	73.1	73.1
67°	71.2	71.1	71.2	71.2	71.2	71.1

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89°	1.2	1.2	1.2	1.1	0.9	0.7
89.5°	0.9	1.0	0.9	0.8	0.6	0.5

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Scaled Data Report



(END OF REPORT)