

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: P997144

Luminaire Tested: **SMX4RLSFS010-650LM-4000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997144
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-4000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

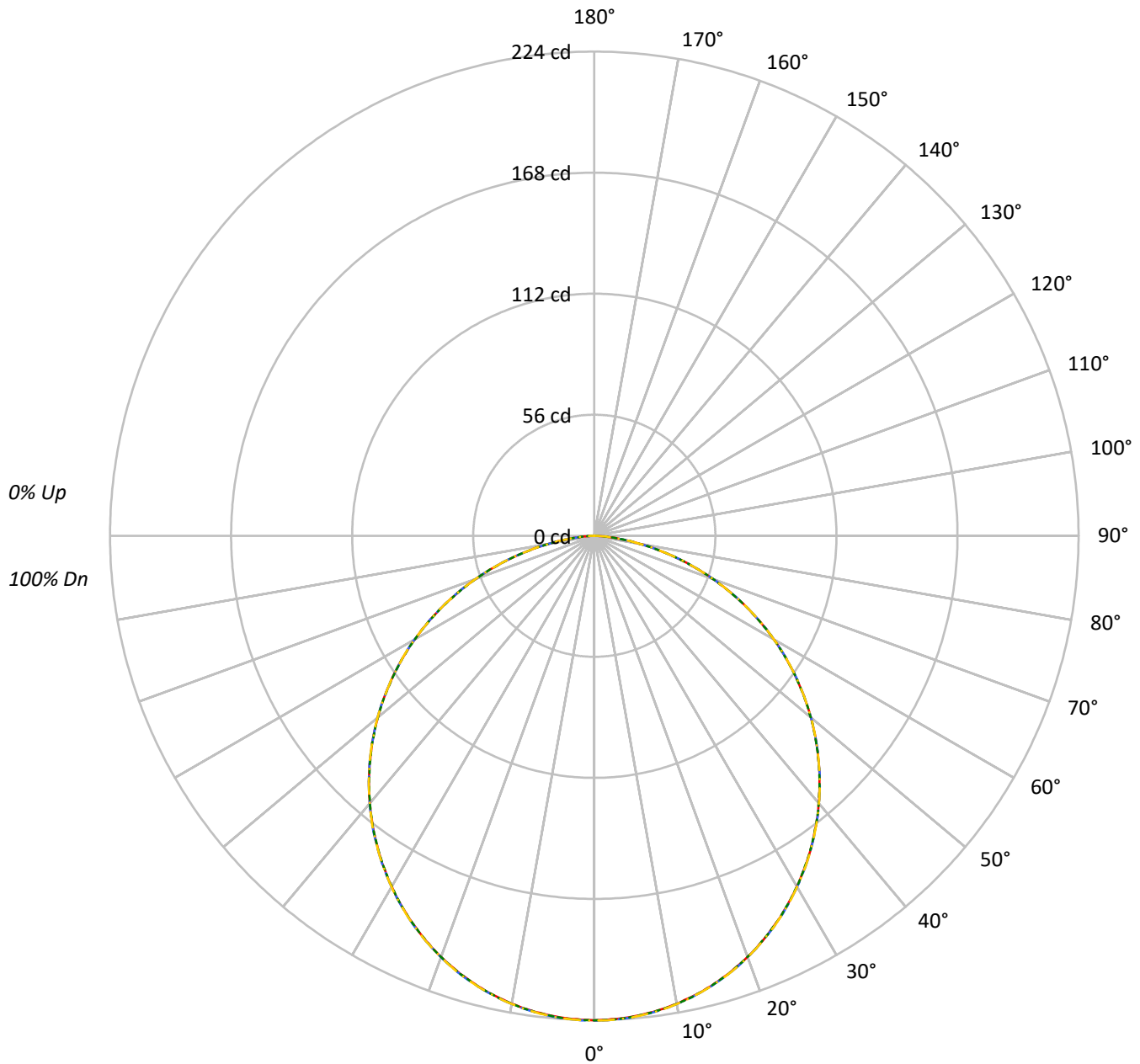
Lumens per Lamp: N/A
Luminaire Lumens: 624.7 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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



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CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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°	28216	28216	28216	28216
5°	28172	28184	28172	28184
10°	28089	28101	28089	28101
15°	27947	27960	27947	27960
20°	27763	27763	27763	27763
25°	27522	27522	27522	27522
30°	27233	27233	27233	27233
35°	26901	26917	26901	26917
40°	26532	26532	26532	26532
45°	26092	26092	26092	26092
50°	25589	25589	25589	25589
55°	24969	24947	24969	24947
60°	24138	24138	24138	24138
65°	23049	23049	23049	23049
70°	21452	21489	21452	21489
75°	19158	19109	19158	19109
80°	15509	15509	15509	15509
85°	9819	10252	9819	10252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	3.4
10°-20°	60.6	9.7
20°-30°	91.4	14.6
30°-40°	109.6	17.5
40°-50°	113.1	18.1
50°-60°	101.6	16.3
60°-70°	76.5	12.2
70°-80°	41.7	6.7
80°-90°	9.1	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°	173.1	27.7
0°-40°	282.7	45.3
0°-60°	497.4	79.6
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°	224	224	224	224	224	
5°	223	223	223	223	223	21
15°	214	215	214	215	214	61
25°	198	198	198	198	198	91
35°	175	175	175	175	175	110
45°	147	147	147	147	147	113
55°	114	114	114	114	114	102
65°	77	77	77	77	77	76
75°	39	39	39	39	39	42
85°	7	7	7	7	7	9
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
0.5°	224.1	224.1	224.3	224.3	224.1	224.3	224.3	224.1	224.1	224.1	224.3
1°	224.0	224.0	224.3	224.2	224.2	224.2	224.3	224.0	224.0	224.0	224.3
1.5°	224.0	224.0	224.3	224.2	224.1	224.2	224.3	224.0	224.0	224.0	224.3
2°	223.8	223.9	224.1	224.1	224.0	224.1	224.1	223.9	223.8	223.9	224.1
2.5°	223.8	223.8	224.1	224.0	223.9	224.0	224.1	223.8	223.8	223.8	224.1
3°	223.7	223.7	223.9	223.9	223.8	223.9	223.9	223.7	223.7	223.7	223.9
3.5°	223.5	223.5	223.8	223.7	223.6	223.7	223.8	223.5	223.5	223.5	223.8
4°	223.4	223.3	223.6	223.6	223.5	223.6	223.6	223.3	223.4	223.3	223.6
4.5°	223.2	223.2	223.5	223.4	223.3	223.4	223.5	223.2	223.2	223.2	223.5
5°	223.0	223.0	223.2	223.2	223.1	223.2	223.2	223.0	223.0	223.0	223.2
5.5°	222.8	222.7	223.0	223.0	222.8	223.0	223.0	222.7	222.8	222.7	223.0
6°	222.5	222.5	222.7	222.7	222.6	222.7	222.7	222.5	222.5	222.5	222.7
6.5°	222.2	222.2	222.5	222.5	222.3	222.5	222.5	222.2	222.2	222.2	222.5
7°	222.0	221.9	222.2	222.2	222.1	222.2	222.2	221.9	222.0	221.9	222.2
7.5°	221.7	221.6	221.9	221.9	221.7	221.9	221.9	221.6	221.7	221.6	221.9
8°	221.3	221.3	221.5	221.5	221.4	221.5	221.5	221.3	221.3	221.3	221.5
8.5°	221.0	220.9	221.2	221.2	221.0	221.2	221.2	220.9	221.0	220.9	221.2
9°	220.6	220.6	220.8	220.8	220.7	220.8	220.8	220.6	220.6	220.6	220.8
9.5°	220.2	220.2	220.4	220.4	220.3	220.4	220.4	220.2	220.2	220.2	220.4
10°	219.8	219.8	220.0	220.0	219.9	220.0	220.0	219.8	219.8	219.8	220.0
10.5°	219.4	219.3	219.6	219.6	219.4	219.6	219.6	219.3	219.4	219.3	219.6
11°	218.8	218.9	219.1	219.1	219.0	219.1	219.1	218.9	218.8	218.9	219.1
11.5°	218.4	218.4	218.7	218.6	218.5	218.6	218.7	218.4	218.4	218.4	218.7
12°	217.9	217.9	218.1	218.1	218.1	218.1	218.1	217.9	217.9	217.9	218.1
12.5°	217.4	217.4	217.6	217.6	217.4	217.6	217.6	217.4	217.4	217.4	217.6
13°	216.9	216.8	217.1	217.0	217.0	217.0	217.1	216.8	216.9	216.8	217.1
13.5°	216.4	216.3	216.5	216.5	216.4	216.5	216.5	216.3	216.4	216.3	216.5
14°	215.7	215.7	215.9	215.9	215.9	215.9	215.9	215.7	215.7	215.7	215.9
14.5°	215.2	215.1	215.4	215.3	215.2	215.3	215.4	215.1	215.2	215.1	215.4
15°	214.5	214.5	214.7	214.7	214.6	214.7	214.7	214.5	214.5	214.5	214.7
15.5°	213.9	213.8	214.1	214.1	213.9	214.1	214.1	213.8	213.9	213.8	214.1
16°	213.2	213.2	213.4	213.4	213.3	213.4	213.4	213.2	213.2	213.2	213.4
16.5°	212.6	212.5	212.8	212.7	212.6	212.7	212.8	212.5	212.6	212.5	212.8
17°	211.9	211.8	212.0	212.0	212.0	212.0	212.0	211.8	211.9	211.8	212.0
17.5°	211.2	211.1	211.4	211.3	211.2	211.3	211.4	211.1	211.2	211.1	211.4
18°	210.4	210.3	210.6	210.6	210.5	210.6	210.6	210.3	210.4	210.3	210.6
18.5°	209.7	209.6	209.9	209.8	209.6	209.8	209.9	209.6	209.7	209.6	209.9
19°	208.9	208.8	209.1	209.0	209.0	209.0	209.1	208.8	208.9	208.8	209.1
19.5°	208.1	208.1	208.3	208.3	208.1	208.3	208.3	208.1	208.1	208.1	208.3
20°	207.3	207.2	207.4	207.4	207.3	207.4	207.4	207.2	207.3	207.2	207.4
20.5°	206.5	206.4	206.7	206.6	206.5	206.6	206.7	206.4	206.5	206.4	206.7
21°	205.6	205.6	205.8	205.7	205.7	205.7	205.8	205.6	205.6	205.6	205.8

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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°	203.0	202.9	203.2	203.1	202.9	203.1	203.2	202.9	203.0	202.9	203.2
23°	202.0	202.0	202.2	202.2	202.1	202.2	202.2	202.0	202.0	202.0	202.2
23.5°	201.2	201.0	201.3	201.3	201.1	201.3	201.3	201.0	201.2	201.0	201.3
24°	200.1	200.1	200.3	200.3	200.2	200.3	200.3	200.1	200.1	200.1	200.3
24.5°	199.2	199.1	199.4	199.3	199.1	199.3	199.4	199.1	199.2	199.1	199.4
25°	198.2	198.1	198.4	198.3	198.2	198.3	198.4	198.1	198.2	198.1	198.4
25.5°	197.2	197.1	197.4	197.3	197.2	197.3	197.4	197.1	197.2	197.1	197.4
26°	196.2	196.1	196.4	196.3	196.2	196.3	196.4	196.1	196.2	196.1	196.4
26.5°	195.1	195.1	195.4	195.3	195.1	195.3	195.4	195.1	195.1	195.1	195.4
27°	194.1	194.0	194.2	194.2	194.1	194.2	194.2	194.0	194.1	194.0	194.2
27.5°	193.1	192.9	193.2	193.2	193.0	193.2	193.2	192.9	193.1	192.9	193.2
28°	191.9	191.9	192.1	192.0	192.0	192.0	192.1	191.9	191.9	191.9	192.1
28.5°	190.9	190.8	191.0	191.0	190.8	191.0	191.0	190.8	190.9	190.8	191.0
29°	189.7	189.7	189.9	189.8	189.7	189.8	189.9	189.7	189.7	189.7	189.9
29.5°	188.6	188.5	188.8	188.8	188.5	188.8	188.8	188.5	188.6	188.5	188.8
30°	187.4	187.4	187.6	187.5	187.4	187.5	187.6	187.4	187.4	187.4	187.6
30.5°	186.3	186.2	186.5	186.4	186.3	186.4	186.5	186.2	186.3	186.2	186.5
31°	185.1	185.1	185.3	185.2	185.1	185.2	185.3	185.1	185.1	185.1	185.3
31.5°	183.9	183.8	184.1	184.0	183.8	184.0	184.1	183.8	183.9	183.8	184.1
32°	182.6	182.7	182.8	182.8	182.7	182.8	182.8	182.7	182.6	182.7	182.8
32.5°	181.5	181.4	181.7	181.6	181.4	181.6	181.7	181.4	181.5	181.4	181.7
33°	180.3	180.2	180.4	180.3	180.2	180.3	180.4	180.2	180.3	180.2	180.4
33.5°	179.0	178.9	179.2	179.1	178.9	179.1	179.2	178.9	179.0	178.9	179.2
34°	177.7	177.7	177.9	177.9	177.7	177.9	177.9	177.7	177.7	177.7	177.9
34.5°	176.5	176.4	176.6	176.5	176.4	176.5	176.6	176.4	176.5	176.4	176.6
35°	175.1	175.1	175.3	175.2	175.2	175.2	175.3	175.1	175.1	175.1	175.3
35.5°	173.9	173.8	174.0	174.0	173.8	174.0	174.0	173.8	173.9	173.8	174.0
36°	172.5	172.5	172.7	172.7	172.5	172.7	172.7	172.5	172.5	172.5	172.7
36.5°	171.2	171.1	171.4	171.3	171.2	171.3	171.4	171.1	171.2	171.1	171.4
37°	169.8	169.8	170.0	169.9	169.8	169.9	170.0	169.8	169.8	169.8	170.0
37.5°	168.6	168.5	168.7	168.6	168.5	168.6	168.7	168.5	168.6	168.5	168.7
38°	167.1	167.1	167.3	167.2	167.1	167.2	167.3	167.1	167.1	167.1	167.3
38.5°	165.8	165.7	165.9	165.8	165.7	165.8	165.9	165.7	165.8	165.7	165.9
39°	164.4	164.3	164.5	164.5	164.4	164.5	164.5	164.3	164.4	164.3	164.5
39.5°	162.9	162.9	163.1	163.1	162.9	163.1	163.1	162.9	162.9	162.9	163.1
40°	161.5	161.5	161.6	161.6	161.5	161.6	161.6	161.5	161.5	161.5	161.6
40.5°	160.1	160.0	160.3	160.2	160.0	160.2	160.3	160.0	160.1	160.0	160.3
41°	158.6	158.6	158.7	158.7	158.6	158.7	158.7	158.6	158.6	158.6	158.7
41.5°	157.2	157.1	157.3	157.3	157.1	157.3	157.3	157.1	157.2	157.1	157.3
42°	155.7	155.7	155.9	155.8	155.7	155.8	155.9	155.7	155.7	155.7	155.9
42.5°	154.2	154.2	154.4	154.3	154.2	154.3	154.4	154.2	154.2	154.2	154.4
43°	152.8	152.7	152.9	152.8	152.7	152.8	152.9	152.7	152.8	152.7	152.9
43.5°	151.2	151.2	151.4	151.3	151.1	151.3	151.4	151.2	151.2	151.2	151.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	146.6	146.6	146.8	146.7	146.6	146.7	146.8	146.6	146.6	146.6	146.8
45.5°	145.1	145.0	145.2	145.2	145.0	145.2	145.2	145.0	145.1	145.0	145.2
46°	143.6	143.5	143.7	143.6	143.5	143.6	143.7	143.5	143.6	143.5	143.7
46.5°	142.0	141.9	142.1	142.0	141.9	142.0	142.1	141.9	142.0	141.9	142.1
47°	140.4	140.4	140.5	140.5	140.4	140.5	140.5	140.4	140.4	140.4	140.5
47.5°	138.8	138.7	138.9	138.9	138.7	138.9	138.9	138.7	138.8	138.7	138.9
48°	137.2	137.2	137.3	137.3	137.1	137.3	137.3	137.2	137.2	137.2	137.3
48.5°	135.6	135.6	135.7	135.7	135.5	135.7	135.7	135.6	135.6	135.6	135.7
49°	134.0	133.9	134.1	134.0	134.0	134.0	134.1	133.9	134.0	133.9	134.1
49.5°	132.3	132.3	132.5	132.4	132.3	132.4	132.5	132.3	132.3	132.3	132.5
50°	130.7	130.6	130.8	130.7	130.7	130.7	130.8	130.6	130.7	130.6	130.8
50.5°	129.1	129.0	129.2	129.1	128.9	129.1	129.2	129.0	129.1	129.0	129.2
51°	127.4	127.3	127.5	127.4	127.4	127.4	127.5	127.3	127.4	127.3	127.5
51.5°	125.8	125.7	125.8	125.8	125.7	125.8	125.8	125.7	125.8	125.7	125.8
52°	124.0	124.0	124.1	124.1	124.0	124.1	124.1	124.0	124.0	124.0	124.1
52.5°	122.4	122.3	122.5	122.4	122.3	122.4	122.5	122.3	122.4	122.3	122.5
53°	120.7	120.6	120.7	120.7	120.6	120.7	120.7	120.6	120.7	120.6	120.7
53.5°	118.9	118.9	119.0	119.0	118.8	119.0	119.0	118.9	118.9	118.9	119.0
54°	117.2	117.2	117.3	117.3	117.2	117.3	117.3	117.2	117.2	117.2	117.3
54.5°	115.5	115.5	115.6	115.5	115.4	115.5	115.6	115.5	115.5	115.5	115.6
55°	113.8	113.7	113.9	113.8	113.7	113.8	113.9	113.7	113.8	113.7	113.9
55.5°	112.1	112.0	112.1	112.1	112.0	112.1	112.1	112.0	112.1	112.0	112.1
56°	110.3	110.2	110.3	110.3	110.2	110.3	110.3	110.2	110.3	110.2	110.3
56.5°	108.5	108.5	108.6	108.5	108.4	108.5	108.6	108.5	108.5	108.5	108.6
57°	106.7	106.7	106.8	106.8	106.7	106.8	106.8	106.7	106.7	106.7	106.8
57.5°	105.0	104.9	105.1	105.0	104.9	105.0	105.1	104.9	105.0	104.9	105.1
58°	103.2	103.1	103.3	103.2	103.1	103.2	103.3	103.1	103.2	103.1	103.3
58.5°	101.4	101.4	101.5	101.4	101.3	101.4	101.5	101.4	101.4	101.4	101.5
59°	99.6	99.5	99.6	99.6	99.6	99.6	99.6	99.5	99.6	99.5	99.6
59.5°	97.8	97.8	97.9	97.8	97.7	97.8	97.9	97.8	97.8	97.8	97.9
60°	95.9	95.9	96.0	96.0	95.9	96.0	96.0	95.9	95.9	95.9	96.0
60.5°	94.1	94.1	94.2	94.2	94.1	94.2	94.2	94.1	94.1	94.1	94.2
61°	92.3	92.2	92.3	92.3	92.2	92.3	92.3	92.2	92.3	92.2	92.3
61.5°	90.5	90.4	90.5	90.5	90.4	90.5	90.5	90.4	90.5	90.4	90.5
62°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
62.5°	86.8	86.7	86.8	86.8	86.7	86.8	86.8	86.7	86.8	86.7	86.8
63°	84.9	84.9	84.9	84.9	84.8	84.9	84.9	84.9	84.9	84.9	84.9
63.5°	83.0	83.0	83.1	83.0	82.9	83.0	83.1	83.0	83.0	83.0	83.1
64°	81.1	81.1	81.2	81.2	81.1	81.2	81.2	81.1	81.1	81.1	81.2
64.5°	79.3	79.3	79.3	79.3	79.2	79.3	79.3	79.3	79.3	79.3	79.3
65°	77.4	77.4	77.5	77.4	77.4	77.4	77.5	77.4	77.4	77.4	77.5
65.5°	75.5	75.5	75.6	75.5	75.4	75.5	75.6	75.5	75.5	75.5	75.6
66°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997144

CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	67.9	67.9	68.0	67.9	67.8	67.9	68.0	67.9	67.9	67.9	68.0
68°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
68.5°	64.1	64.1	64.1	64.1	64.0	64.1	64.1	64.1	64.1	64.1	64.1
69°	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
69.5°	60.3	60.3	60.3	60.3	60.2	60.3	60.3	60.3	60.3	60.3	60.3
70°	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.3	58.4	58.4
70.5°	56.5	56.4	56.5	56.5	56.4	56.5	56.5	56.4	56.5	56.4	56.5
71°	54.5	54.5	54.6	54.6	54.5	54.6	54.6	54.5	54.5	54.5	54.6
71.5°	52.6	52.6	52.7	52.6	52.6	52.6	52.7	52.6	52.6	52.6	52.7
72°	50.7	50.7	50.8	50.7	50.7	50.7	50.8	50.7	50.7	50.7	50.8
72.5°	48.8	48.8	48.9	48.8	48.8	48.8	48.9	48.8	48.8	48.8	48.9
73°	46.9	46.9	47.0	46.9	46.9	46.9	47.0	46.9	46.9	46.9	47.0
73.5°	45.0	45.0	45.1	45.0	45.0	45.0	45.1	45.0	45.0	45.0	45.1
74°	43.1	43.1	43.2	43.2	43.1	43.2	43.2	43.1	43.1	43.1	43.2
74.5°	41.2	41.2	41.3	41.3	41.2	41.3	41.3	41.2	41.2	41.2	41.3
75°	39.4	39.4	39.4	39.4	39.3	39.4	39.4	39.4	39.4	39.4	39.4
75.5°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
76°	35.6	35.6	35.6	35.7	35.6	35.7	35.6	35.6	35.6	35.6	35.6
76.5°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
77°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
77.5°	30.1	30.2	30.2	30.2	30.1	30.2	30.2	30.2	30.1	30.2	30.2
78°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
78.5°	26.6	26.6	26.6	26.7	26.6	26.7	26.6	26.6	26.6	26.6	26.6
79°	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.9	24.9
79.5°	23.0	23.1	23.2	23.2	23.1	23.2	23.2	23.1	23.0	23.1	23.2
80°	21.4	21.4	21.5	21.5	21.4	21.5	21.5	21.4	21.4	21.4	21.5
80.5°	19.7	19.8	19.8	19.9	19.8	19.9	19.8	19.8	19.7	19.8	19.8
81°	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1	18.1	18.2
81.5°	16.5	16.6	16.6	16.7	16.6	16.7	16.6	16.6	16.5	16.6	16.6
82°	15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.0	15.0	15.0	15.1
82.5°	13.4	13.5	13.6	13.6	13.6	13.6	13.6	13.5	13.4	13.5	13.6
83°	12.0	12.0	12.1	12.2	12.2	12.2	12.1	12.0	12.0	12.0	12.1
83.5°	10.6	10.6	10.7	10.8	10.9	10.8	10.7	10.6	10.6	10.6	10.7
84°	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.3	9.4
84.5°	8.0	8.1	8.2	8.3	8.3	8.3	8.2	8.1	8.0	8.1	8.2
85°	6.8	6.9	7.0	7.1	7.1	7.1	7.0	6.9	6.8	6.9	7.0
85.5°	5.7	5.8	5.9	6.0	5.9	6.0	5.9	5.8	5.7	5.8	5.9
86°	4.8	4.8	4.8	5.0	4.9	5.0	4.8	4.8	4.8	4.8	4.8
86.5°	3.8	3.8	4.0	4.1	4.1	4.1	4.0	3.8	3.8	3.8	4.0
87°	2.9	3.0	3.2	3.3	3.3	3.3	3.2	3.0	2.9	3.0	3.2
87.5°	2.2	2.3	2.5	2.7	2.6	2.7	2.5	2.3	2.2	2.3	2.5
88°	1.6	1.7	1.9	2.1	2.0	2.1	1.9	1.7	1.6	1.7	1.9
88.5°	1.1	1.2	1.4	1.6	1.5	1.6	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: P997144
CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

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: P997144

CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	224.2	224.2	224.2	224.2	224.2	224.2
0.5°	224.3	224.1	224.3	224.3	224.1	224.1
1°	224.2	224.2	224.2	224.3	224.0	224.0
1.5°	224.2	224.1	224.2	224.3	224.0	224.0
2°	224.1	224.0	224.1	224.1	223.9	223.8
2.5°	224.0	223.9	224.0	224.1	223.8	223.8
3°	223.9	223.8	223.9	223.9	223.7	223.7
3.5°	223.7	223.6	223.7	223.8	223.5	223.5
4°	223.6	223.5	223.6	223.6	223.3	223.4
4.5°	223.4	223.3	223.4	223.5	223.2	223.2
5°	223.2	223.1	223.2	223.2	223.0	223.0
5.5°	223.0	222.8	223.0	223.0	222.7	222.8
6°	222.7	222.6	222.7	222.7	222.5	222.5
6.5°	222.5	222.3	222.5	222.5	222.2	222.2
7°	222.2	222.1	222.2	222.2	221.9	222.0
7.5°	221.9	221.7	221.9	221.9	221.6	221.7
8°	221.5	221.4	221.5	221.5	221.3	221.3
8.5°	221.2	221.0	221.2	221.2	220.9	221.0
9°	220.8	220.7	220.8	220.8	220.6	220.6
9.5°	220.4	220.3	220.4	220.4	220.2	220.2
10°	220.0	219.9	220.0	220.0	219.8	219.8
10.5°	219.6	219.4	219.6	219.6	219.3	219.4
11°	219.1	219.0	219.1	219.1	218.9	218.8
11.5°	218.6	218.5	218.6	218.7	218.4	218.4
12°	218.1	218.1	218.1	218.1	217.9	217.9
12.5°	217.6	217.4	217.6	217.6	217.4	217.4
13°	217.0	217.0	217.0	217.1	216.8	216.9
13.5°	216.5	216.4	216.5	216.5	216.3	216.4
14°	215.9	215.9	215.9	215.9	215.7	215.7
14.5°	215.3	215.2	215.3	215.4	215.1	215.2
15°	214.7	214.6	214.7	214.7	214.5	214.5
15.5°	214.1	213.9	214.1	214.1	213.8	213.9
16°	213.4	213.3	213.4	213.4	213.2	213.2
16.5°	212.7	212.6	212.7	212.8	212.5	212.6
17°	212.0	212.0	212.0	212.0	211.8	211.9
17.5°	211.3	211.2	211.3	211.4	211.1	211.2
18°	210.6	210.5	210.6	210.6	210.3	210.4
18.5°	209.8	209.6	209.8	209.9	209.6	209.7
19°	209.0	209.0	209.0	209.1	208.8	208.9
19.5°	208.3	208.1	208.3	208.3	208.1	208.1
20°	207.4	207.3	207.4	207.4	207.2	207.3
20.5°	206.6	206.5	206.6	206.7	206.4	206.5
21°	205.7	205.7	205.7	205.8	205.6	205.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997144

CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	203.1	202.9	203.1	203.2	202.9	203.0
23°	202.2	202.1	202.2	202.2	202.0	202.0
23.5°	201.3	201.1	201.3	201.3	201.0	201.2
24°	200.3	200.2	200.3	200.3	200.1	200.1
24.5°	199.3	199.1	199.3	199.4	199.1	199.2
25°	198.3	198.2	198.3	198.4	198.1	198.2
25.5°	197.3	197.2	197.3	197.4	197.1	197.2
26°	196.3	196.2	196.3	196.4	196.1	196.2
26.5°	195.3	195.1	195.3	195.4	195.1	195.1
27°	194.2	194.1	194.2	194.2	194.0	194.1
27.5°	193.2	193.0	193.2	193.2	192.9	193.1
28°	192.0	192.0	192.0	192.1	191.9	191.9
28.5°	191.0	190.8	191.0	191.0	190.8	190.9
29°	189.8	189.7	189.8	189.9	189.7	189.7
29.5°	188.8	188.5	188.8	188.8	188.5	188.6
30°	187.5	187.4	187.5	187.6	187.4	187.4
30.5°	186.4	186.3	186.4	186.5	186.2	186.3
31°	185.2	185.1	185.2	185.3	185.1	185.1
31.5°	184.0	183.8	184.0	184.1	183.8	183.9
32°	182.8	182.7	182.8	182.8	182.7	182.6
32.5°	181.6	181.4	181.6	181.7	181.4	181.5
33°	180.3	180.2	180.3	180.4	180.2	180.3
33.5°	179.1	178.9	179.1	179.2	178.9	179.0
34°	177.9	177.7	177.9	177.9	177.7	177.7
34.5°	176.5	176.4	176.5	176.6	176.4	176.5
35°	175.2	175.2	175.2	175.3	175.1	175.1
35.5°	174.0	173.8	174.0	174.0	173.8	173.9
36°	172.7	172.5	172.7	172.7	172.5	172.5
36.5°	171.3	171.2	171.3	171.4	171.1	171.2
37°	169.9	169.8	169.9	170.0	169.8	169.8
37.5°	168.6	168.5	168.6	168.7	168.5	168.6
38°	167.2	167.1	167.2	167.3	167.1	167.1
38.5°	165.8	165.7	165.8	165.9	165.7	165.8
39°	164.5	164.4	164.5	164.5	164.3	164.4
39.5°	163.1	162.9	163.1	163.1	162.9	162.9
40°	161.6	161.5	161.6	161.6	161.5	161.5
40.5°	160.2	160.0	160.2	160.3	160.0	160.1
41°	158.7	158.6	158.7	158.7	158.6	158.6
41.5°	157.3	157.1	157.3	157.3	157.1	157.2
42°	155.8	155.7	155.8	155.9	155.7	155.7
42.5°	154.3	154.2	154.3	154.4	154.2	154.2
43°	152.8	152.7	152.8	152.9	152.7	152.8
43.5°	151.3	151.1	151.3	151.4	151.2	151.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997144

CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	146.7	146.6	146.7	146.8	146.6	146.6
45.5°	145.2	145.0	145.2	145.2	145.0	145.1
46°	143.6	143.5	143.6	143.7	143.5	143.6
46.5°	142.0	141.9	142.0	142.1	141.9	142.0
47°	140.5	140.4	140.5	140.5	140.4	140.4
47.5°	138.9	138.7	138.9	138.9	138.7	138.8
48°	137.3	137.1	137.3	137.3	137.2	137.2
48.5°	135.7	135.5	135.7	135.7	135.6	135.6
49°	134.0	134.0	134.0	134.1	133.9	134.0
49.5°	132.4	132.3	132.4	132.5	132.3	132.3
50°	130.7	130.7	130.7	130.8	130.6	130.7
50.5°	129.1	128.9	129.1	129.2	129.0	129.1
51°	127.4	127.4	127.4	127.5	127.3	127.4
51.5°	125.8	125.7	125.8	125.8	125.7	125.8
52°	124.1	124.0	124.1	124.1	124.0	124.0
52.5°	122.4	122.3	122.4	122.5	122.3	122.4
53°	120.7	120.6	120.7	120.7	120.6	120.7
53.5°	119.0	118.8	119.0	119.0	118.9	118.9
54°	117.3	117.2	117.3	117.3	117.2	117.2
54.5°	115.5	115.4	115.5	115.6	115.5	115.5
55°	113.8	113.7	113.8	113.9	113.7	113.8
55.5°	112.1	112.0	112.1	112.1	112.0	112.1
56°	110.3	110.2	110.3	110.3	110.2	110.3
56.5°	108.5	108.4	108.5	108.6	108.5	108.5
57°	106.8	106.7	106.8	106.8	106.7	106.7
57.5°	105.0	104.9	105.0	105.1	104.9	105.0
58°	103.2	103.1	103.2	103.3	103.1	103.2
58.5°	101.4	101.3	101.4	101.5	101.4	101.4
59°	99.6	99.6	99.6	99.6	99.5	99.6
59.5°	97.8	97.7	97.8	97.9	97.8	97.8
60°	96.0	95.9	96.0	96.0	95.9	95.9
60.5°	94.2	94.1	94.2	94.2	94.1	94.1
61°	92.3	92.2	92.3	92.3	92.2	92.3
61.5°	90.5	90.4	90.5	90.5	90.4	90.5
62°	88.6	88.6	88.6	88.6	88.6	88.6
62.5°	86.8	86.7	86.8	86.8	86.7	86.8
63°	84.9	84.8	84.9	84.9	84.9	84.9
63.5°	83.0	82.9	83.0	83.1	83.0	83.0
64°	81.2	81.1	81.2	81.2	81.1	81.1
64.5°	79.3	79.2	79.3	79.3	79.3	79.3
65°	77.4	77.4	77.4	77.5	77.4	77.4
65.5°	75.5	75.4	75.5	75.6	75.5	75.5
66°	73.6	73.6	73.6	73.6	73.6	73.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997144

CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	67.9	67.8	67.9	68.0	67.9	67.9
68°	66.0	66.0	66.0	66.0	66.0	66.0
68.5°	64.1	64.0	64.1	64.1	64.1	64.1
69°	62.2	62.2	62.2	62.2	62.2	62.2
69.5°	60.3	60.2	60.3	60.3	60.3	60.3
70°	58.4	58.4	58.4	58.4	58.4	58.3
70.5°	56.5	56.4	56.5	56.5	56.4	56.5
71°	54.6	54.5	54.6	54.6	54.5	54.5
71.5°	52.6	52.6	52.6	52.7	52.6	52.6
72°	50.7	50.7	50.7	50.8	50.7	50.7
72.5°	48.8	48.8	48.8	48.9	48.8	48.8
73°	46.9	46.9	46.9	47.0	46.9	46.9
73.5°	45.0	45.0	45.0	45.1	45.0	45.0
74°	43.2	43.1	43.2	43.2	43.1	43.1
74.5°	41.3	41.2	41.3	41.3	41.2	41.2
75°	39.4	39.3	39.4	39.4	39.4	39.4
75.5°	37.5	37.5	37.5	37.5	37.5	37.5
76°	35.7	35.6	35.7	35.6	35.6	35.6
76.5°	33.8	33.8	33.8	33.8	33.8	33.8
77°	32.0	32.0	32.0	32.0	32.0	32.0
77.5°	30.2	30.1	30.2	30.2	30.2	30.1
78°	28.4	28.4	28.4	28.4	28.4	28.4
78.5°	26.7	26.6	26.7	26.6	26.6	26.6
79°	24.9	24.9	24.9	24.9	24.9	24.8
79.5°	23.2	23.1	23.2	23.2	23.1	23.0
80°	21.5	21.4	21.5	21.5	21.4	21.4
80.5°	19.9	19.8	19.9	19.8	19.8	19.7
81°	18.2	18.2	18.2	18.2	18.1	18.1
81.5°	16.7	16.6	16.7	16.6	16.6	16.5
82°	15.1	15.1	15.1	15.1	15.0	15.0
82.5°	13.6	13.6	13.6	13.6	13.5	13.4
83°	12.2	12.2	12.2	12.1	12.0	12.0
83.5°	10.8	10.9	10.8	10.7	10.6	10.6
84°	9.5	9.6	9.5	9.4	9.3	9.2
84.5°	8.3	8.3	8.3	8.2	8.1	8.0
85°	7.1	7.1	7.1	7.0	6.9	6.8
85.5°	6.0	5.9	6.0	5.9	5.8	5.7
86°	5.0	4.9	5.0	4.8	4.8	4.8
86.5°	4.1	4.1	4.1	4.0	3.8	3.8
87°	3.3	3.3	3.3	3.2	3.0	2.9
87.5°	2.7	2.6	2.7	2.5	2.3	2.2
88°	2.1	2.0	2.1	1.9	1.7	1.6
88.5°	1.6	1.5	1.6	1.4	1.2	1.1

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Scaled Data Report



TEST NUMBER: P997144
CATALOG NUMBER: SMX4RLSFS010-650LM-4000K

CANDELA DISTRIBUTION (continued):

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

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	204.8	204.7	205.0	204.9	204.8	204.9	205.0	204.7	204.8	204.7	205.0
22°	203.8	203.8	204.0	204.0	203.9	204.0	204.0	203.8	203.8	203.8	204.0



44°	149.7	149.7	149.8	149.8	149.7	149.8	149.8	149.7	149.7	149.7	149.8
44.5°	148.3	148.1	148.3	148.3	148.1	148.3	148.3	148.1	148.3	148.1	148.3



66.5°	71.7	71.7	71.8	71.7	71.6	71.7	71.8	71.7	71.7	71.7	71.8
67°	69.8	69.8	69.9	69.8	69.8	69.8	69.9	69.8	69.8	69.8	69.9



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°	204.9	204.8	204.9	205.0	204.7	204.8
22°	204.0	203.9	204.0	204.0	203.8	203.8

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44°	149.8	149.7	149.8	149.8	149.7	149.7
44.5°	148.3	148.1	148.3	148.3	148.1	148.3

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66.5°	71.7	71.6	71.7	71.8	71.7	71.7
67°	69.8	69.8	69.8	69.9	69.8	69.8

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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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(END OF REPORT)