

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: P997145

Luminaire Tested: **SMX4RLSFS010-650LM-5000K**

Issue Date: 3/11/2025

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

**Test Information**

Test Method: LM-41-14
Report Number: P997145
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-5000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

Summary

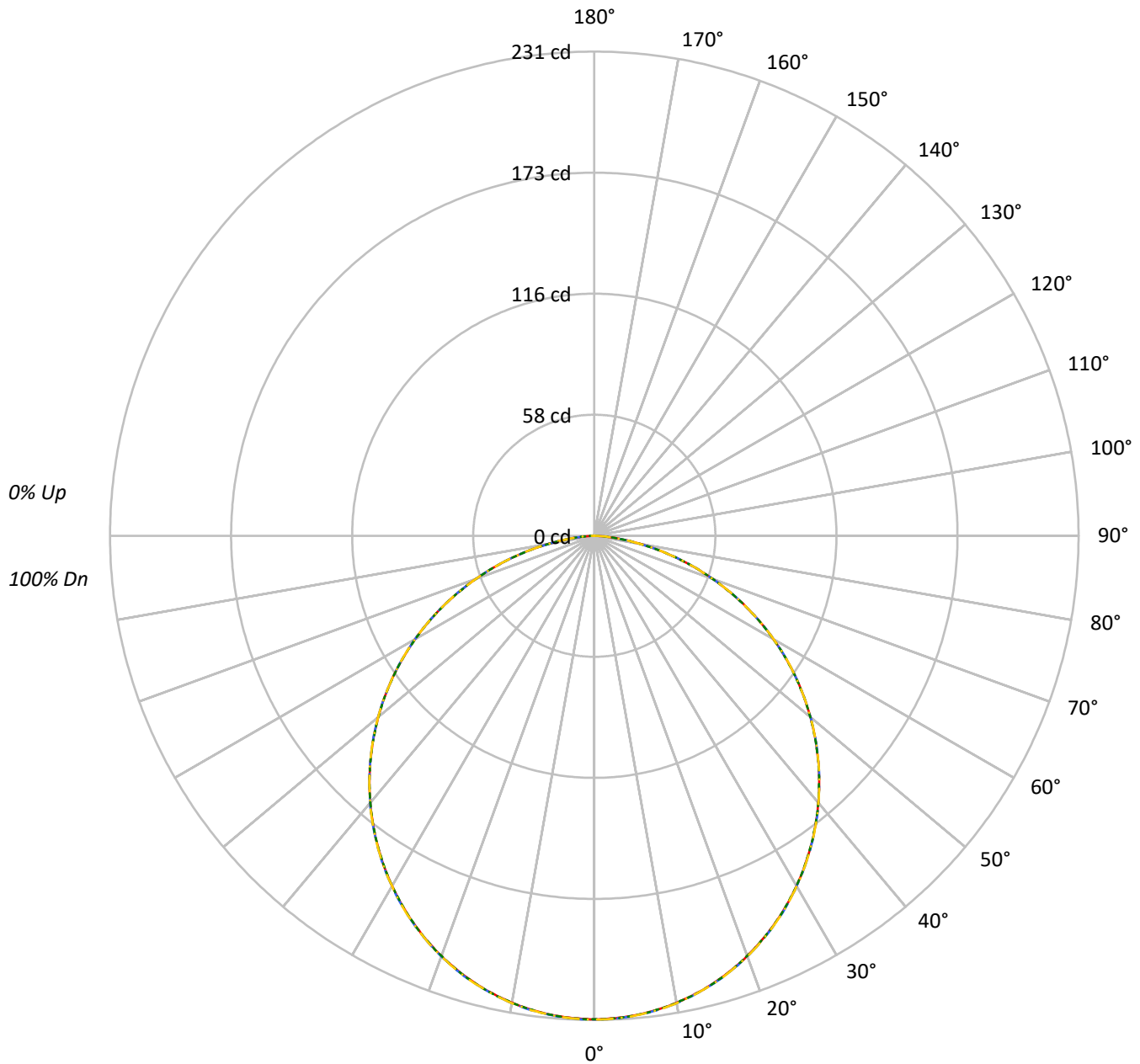
Lumens per Lamp: N/A
Luminaire Lumens: 642.9 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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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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°	29034	29034	29034	29034
5°	28993	29005	28993	29005
10°	28906	28919	28906	28919
15°	28768	28781	28768	28781
20°	28567	28567	28567	28567
25°	28327	28327	28327	28327
30°	28032	28032	28032	28032
35°	27685	27700	27685	27700
40°	27304	27304	27304	27304
45°	26857	26857	26857	26857
50°	26353	26333	26353	26333
55°	25693	25693	25693	25693
60°	24843	24843	24843	24843
65°	23704	23704	23704	23704
70°	22078	22114	22078	22114
75°	19693	19693	19693	19693
80°	15944	16017	15944	16017
85°	10108	10541	10108	10541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	3.4
10°-20°	62.3	9.7
20°-30°	94.0	14.6
30°-40°	112.8	17.5
40°-50°	116.4	18.1
50°-60°	104.6	16.3
60°-70°	78.7	12.2
70°-80°	42.9	6.7
80°-90°	9.3	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°	178.1	27.7
0°-40°	290.9	45.3
0°-60°	511.9	79.6
0°-90°	642.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	231	231	231	231	231	
5°	230	230	230	230	230	22
15°	221	221	221	221	221	62
25°	204	204	204	204	204	94
35°	180	180	180	180	180	113
45°	151	151	151	151	151	116
55°	117	117	117	117	117	105
65°	80	80	80	80	80	79
75°	40	40	40	40	40	43
85°	7	7	7	7	7	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7
0.5°	230.7	230.6	230.9	230.8	230.6	230.8	230.9	230.6	230.7	230.6	230.9
1°	230.5	230.5	230.8	230.8	230.7	230.8	230.8	230.5	230.5	230.5	230.8
1.5°	230.5	230.5	230.8	230.7	230.6	230.7	230.8	230.5	230.5	230.5	230.8
2°	230.4	230.4	230.6	230.7	230.5	230.7	230.6	230.4	230.4	230.4	230.6
2.5°	230.4	230.3	230.6	230.5	230.4	230.5	230.6	230.3	230.4	230.3	230.6
3°	230.2	230.2	230.4	230.4	230.4	230.4	230.4	230.2	230.2	230.2	230.4
3.5°	230.1	230.1	230.3	230.3	230.1	230.3	230.3	230.1	230.1	230.1	230.3
4°	229.9	229.9	230.1	230.2	230.0	230.2	230.1	229.9	229.9	229.9	230.1
4.5°	229.7	229.7	230.0	229.9	229.8	229.9	230.0	229.7	229.7	229.7	230.0
5°	229.5	229.5	229.7	229.7	229.6	229.7	229.7	229.5	229.5	229.5	229.7
5.5°	229.3	229.2	229.5	229.5	229.3	229.5	229.5	229.2	229.3	229.2	229.5
6°	229.0	229.0	229.2	229.2	229.1	229.2	229.2	229.0	229.0	229.0	229.2
6.5°	228.7	228.7	229.0	229.0	228.8	229.0	229.0	228.7	228.7	228.7	229.0
7°	228.4	228.4	228.6	228.7	228.6	228.7	228.6	228.4	228.4	228.4	228.6
7.5°	228.2	228.1	228.4	228.3	228.1	228.3	228.4	228.1	228.2	228.1	228.4
8°	227.8	227.8	228.0	228.0	227.9	228.0	228.0	227.8	227.8	227.8	228.0
8.5°	227.4	227.4	227.7	227.6	227.5	227.6	227.7	227.4	227.4	227.4	227.7
9°	227.1	227.0	227.2	227.2	227.1	227.2	227.2	227.0	227.1	227.0	227.2
9.5°	226.6	226.6	226.9	226.8	226.7	226.8	226.9	226.6	226.6	226.6	226.9
10°	226.2	226.2	226.4	226.4	226.3	226.4	226.4	226.2	226.2	226.2	226.4
10.5°	225.8	225.7	226.0	226.0	225.7	226.0	226.0	225.7	225.8	225.7	226.0
11°	225.2	225.2	225.5	225.5	225.4	225.5	225.5	225.2	225.2	225.2	225.5
11.5°	224.8	224.7	225.0	225.0	224.8	225.0	225.0	224.7	224.8	224.7	225.0
12°	224.3	224.2	224.5	224.5	224.4	224.5	224.5	224.2	224.3	224.2	224.5
12.5°	223.7	223.7	223.9	223.9	223.8	223.9	223.9	223.7	223.7	223.7	223.9
13°	223.2	223.2	223.4	223.4	223.3	223.4	223.4	223.2	223.2	223.2	223.4
13.5°	222.7	222.6	222.8	222.8	222.7	222.8	222.8	222.6	222.7	222.6	222.8
14°	222.0	222.0	222.2	222.2	222.1	222.2	222.2	222.0	222.0	222.0	222.2
14.5°	221.4	221.4	221.6	221.6	221.5	221.6	221.6	221.4	221.4	221.4	221.6
15°	220.8	220.7	221.0	220.9	220.9	220.9	221.0	220.7	220.8	220.7	221.0
15.5°	220.1	220.1	220.3	220.3	220.1	220.3	220.3	220.1	220.1	220.1	220.3
16°	219.4	219.4	219.7	219.6	219.6	219.6	219.7	219.4	219.4	219.4	219.7
16.5°	218.8	218.7	219.0	218.9	218.8	218.9	219.0	218.7	218.8	218.7	219.0
17°	218.0	218.0	218.2	218.2	218.1	218.2	218.2	218.0	218.0	218.0	218.2
17.5°	217.3	217.2	217.5	217.4	217.3	217.4	217.5	217.2	217.3	217.2	217.5
18°	216.5	216.5	216.7	216.7	216.6	216.7	216.7	216.5	216.5	216.5	216.7
18.5°	215.8	215.7	216.0	215.9	215.7	215.9	216.0	215.7	215.8	215.7	216.0
19°	215.0	214.9	215.1	215.1	215.1	215.1	215.1	214.9	215.0	214.9	215.1
19.5°	214.2	214.1	214.4	214.3	214.1	214.3	214.4	214.1	214.2	214.1	214.4
20°	213.3	213.3	213.5	213.4	213.3	213.4	213.5	213.3	213.3	213.3	213.5
20.5°	212.5	212.4	212.7	212.7	212.5	212.7	212.7	212.4	212.5	212.4	212.7
21°	211.6	211.5	211.8	211.7	211.7	211.7	211.8	211.5	211.6	211.5	211.8

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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°	208.9	208.8	209.1	209.1	208.8	209.1	209.1	208.8	208.9	208.8	209.1
23°	207.9	207.9	208.1	208.1	208.0	208.1	208.1	207.9	207.9	207.9	208.1
23.5°	207.0	206.9	207.2	207.1	206.9	207.1	207.2	206.9	207.0	206.9	207.2
24°	205.9	205.9	206.2	206.1	206.1	206.1	206.2	205.9	205.9	205.9	206.2
24.5°	205.0	204.9	205.2	205.2	204.9	205.2	205.2	204.9	205.0	204.9	205.2
25°	204.0	203.9	204.1	204.1	204.0	204.1	204.1	203.9	204.0	203.9	204.1
25.5°	203.0	202.9	203.1	203.1	202.9	203.1	203.1	202.9	203.0	202.9	203.1
26°	201.9	201.8	202.1	202.0	201.9	202.0	202.1	201.8	201.9	201.8	202.1
26.5°	200.8	200.7	201.1	201.0	200.8	201.0	201.1	200.7	200.8	200.7	201.1
27°	199.7	199.7	199.9	199.9	199.8	199.9	199.9	199.7	199.7	199.7	199.9
27.5°	198.7	198.5	198.8	198.8	198.6	198.8	198.8	198.5	198.7	198.5	198.8
28°	197.5	197.5	197.7	197.6	197.6	197.6	197.7	197.5	197.5	197.5	197.7
28.5°	196.4	196.3	196.6	196.5	196.3	196.5	196.6	196.3	196.4	196.3	196.6
29°	195.2	195.2	195.4	195.4	195.3	195.4	195.4	195.2	195.2	195.2	195.4
29.5°	194.1	194.0	194.3	194.3	194.0	194.3	194.3	194.0	194.1	194.0	194.3
30°	192.9	192.9	193.0	193.0	192.9	193.0	193.0	192.9	192.9	192.9	193.0
30.5°	191.7	191.6	191.9	191.8	191.7	191.8	191.9	191.6	191.7	191.6	191.9
31°	190.5	190.5	190.7	190.6	190.5	190.6	190.7	190.5	190.5	190.5	190.7
31.5°	189.3	189.2	189.5	189.4	189.2	189.4	189.5	189.2	189.3	189.2	189.5
32°	188.0	188.0	188.2	188.1	188.0	188.1	188.2	188.0	188.0	188.0	188.2
32.5°	186.8	186.7	187.0	186.9	186.7	186.9	187.0	186.7	186.8	186.7	187.0
33°	185.5	185.5	185.7	185.6	185.5	185.6	185.7	185.5	185.5	185.5	185.7
33.5°	184.2	184.1	184.4	184.3	184.1	184.3	184.4	184.1	184.2	184.1	184.4
34°	182.9	182.9	183.1	183.0	182.9	183.0	183.1	182.9	182.9	182.9	183.1
34.5°	181.6	181.5	181.8	181.7	181.5	181.7	181.8	181.5	181.6	181.5	181.8
35°	180.2	180.2	180.4	180.3	180.3	180.3	180.4	180.2	180.2	180.2	180.4
35.5°	179.0	178.9	179.1	179.0	178.9	179.0	179.1	178.9	179.0	178.9	179.1
36°	177.6	177.5	177.7	177.7	177.6	177.7	177.7	177.5	177.6	177.5	177.7
36.5°	176.2	176.1	176.4	176.3	176.1	176.3	176.4	176.1	176.2	176.1	176.4
37°	174.8	174.8	174.9	174.9	174.8	174.9	174.9	174.8	174.8	174.8	174.9
37.5°	173.5	173.4	173.6	173.5	173.4	173.5	173.6	173.4	173.5	173.4	173.6
38°	171.9	171.9	172.1	172.1	172.0	172.1	172.1	171.9	171.9	171.9	172.1
38.5°	170.6	170.5	170.8	170.6	170.5	170.6	170.8	170.5	170.6	170.5	170.8
39°	169.2	169.1	169.3	169.2	169.2	169.2	169.3	169.1	169.2	169.1	169.3
39.5°	167.7	167.6	167.9	167.8	167.6	167.8	167.9	167.6	167.7	167.6	167.9
40°	166.2	166.2	166.3	166.3	166.2	166.3	166.3	166.2	166.2	166.2	166.3
40.5°	164.8	164.6	164.9	164.8	164.7	164.8	164.9	164.6	164.8	164.6	164.9
41°	163.2	163.2	163.4	163.4	163.2	163.4	163.4	163.2	163.2	163.2	163.4
41.5°	161.8	161.7	161.9	161.8	161.7	161.8	161.9	161.7	161.8	161.7	161.9
42°	160.3	160.2	160.4	160.3	160.2	160.3	160.4	160.2	160.3	160.2	160.4
42.5°	158.7	158.6	158.9	158.8	158.7	158.8	158.9	158.6	158.7	158.6	158.9
43°	157.2	157.1	157.3	157.3	157.2	157.3	157.3	157.1	157.2	157.1	157.3
43.5°	155.6	155.6	155.8	155.7	155.5	155.7	155.8	155.6	155.6	155.6	155.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	150.9	150.9	151.0	151.0	150.9	151.0	151.0	150.9	150.9	150.9	151.0
45.5°	149.3	149.3	149.5	149.4	149.2	149.4	149.5	149.3	149.3	149.3	149.5
46°	147.7	147.7	147.8	147.8	147.7	147.8	147.8	147.7	147.7	147.7	147.8
46.5°	146.1	146.1	146.3	146.2	146.0	146.2	146.3	146.1	146.1	146.1	146.3
47°	144.5	144.4	144.6	144.5	144.5	144.5	144.6	144.4	144.5	144.4	144.6
47.5°	142.8	142.8	143.0	142.9	142.7	142.9	143.0	142.8	142.8	142.8	143.0
48°	141.2	141.2	141.3	141.2	141.1	141.2	141.3	141.2	141.2	141.2	141.3
48.5°	139.6	139.5	139.6	139.6	139.4	139.6	139.6	139.5	139.6	139.5	139.6
49°	137.9	137.8	138.0	137.9	137.9	137.9	138.0	137.8	137.9	137.8	138.0
49.5°	136.2	136.2	136.3	136.3	136.1	136.3	136.3	136.2	136.2	136.2	136.3
50°	134.6	134.5	134.6	134.5	134.5	134.5	134.6	134.5	134.6	134.5	134.6
50.5°	132.8	132.8	132.9	132.9	132.7	132.9	132.9	132.8	132.8	132.8	132.9
51°	131.1	131.1	131.2	131.1	131.1	131.1	131.2	131.1	131.1	131.1	131.2
51.5°	129.4	129.4	129.5	129.4	129.3	129.4	129.5	129.4	129.4	129.4	129.5
52°	127.7	127.6	127.8	127.7	127.6	127.7	127.8	127.6	127.7	127.6	127.8
52.5°	125.9	125.9	126.0	126.0	125.9	126.0	126.0	125.9	125.9	125.9	126.0
53°	124.2	124.1	124.2	124.2	124.2	124.2	124.2	124.1	124.2	124.1	124.2
53.5°	122.4	122.4	122.5	122.5	122.3	122.5	122.5	122.4	122.4	122.4	122.5
54°	120.6	120.6	120.7	120.7	120.6	120.7	120.7	120.6	120.6	120.6	120.7
54.5°	118.9	118.8	119.0	118.9	118.8	118.9	119.0	118.8	118.9	118.8	119.0
55°	117.1	117.0	117.2	117.1	117.1	117.1	117.2	117.0	117.1	117.0	117.2
55.5°	115.3	115.3	115.4	115.3	115.2	115.3	115.4	115.3	115.3	115.3	115.4
56°	113.5	113.4	113.5	113.5	113.5	113.5	113.5	113.4	113.5	113.4	113.5
56.5°	111.7	111.7	111.8	111.7	111.6	111.7	111.8	111.7	111.7	111.7	111.8
57°	109.8	109.8	109.9	109.9	109.8	109.9	109.9	109.8	109.8	109.8	109.9
57.5°	108.0	108.0	108.1	108.0	108.0	108.0	108.1	108.0	108.0	108.0	108.1
58°	106.2	106.1	106.3	106.2	106.2	106.2	106.3	106.1	106.2	106.1	106.3
58.5°	104.4	104.3	104.5	104.4	104.2	104.4	104.5	104.3	104.4	104.3	104.5
59°	102.5	102.4	102.5	102.5	102.5	102.5	102.5	102.4	102.5	102.4	102.5
59.5°	100.6	100.6	100.7	100.6	100.5	100.6	100.7	100.6	100.6	100.6	100.7
60°	98.7	98.7	98.8	98.8	98.7	98.8	98.8	98.7	98.7	98.7	98.8
60.5°	96.9	96.9	97.0	96.9	96.8	96.9	97.0	96.9	96.9	96.9	97.0
61°	95.0	94.9	95.0	95.0	94.9	95.0	95.0	94.9	95.0	94.9	95.0
61.5°	93.1	93.1	93.2	93.1	93.0	93.1	93.2	93.1	93.1	93.1	93.2
62°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
62.5°	89.3	89.2	89.4	89.3	89.2	89.3	89.4	89.2	89.3	89.2	89.4
63°	87.3	87.3	87.4	87.4	87.3	87.4	87.4	87.3	87.3	87.3	87.4
63.5°	85.5	85.4	85.5	85.5	85.4	85.5	85.5	85.4	85.5	85.4	85.5
64°	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
64.5°	81.6	81.6	81.7	81.6	81.5	81.6	81.7	81.6	81.6	81.6	81.7
65°	79.6	79.6	79.7	79.7	79.6	79.7	79.7	79.6	79.6	79.6	79.7
65.5°	77.7	77.7	77.8	77.7	77.6	77.7	77.8	77.7	77.7	77.7	77.8
66°	75.7	75.7	75.8	75.8	75.7	75.8	75.8	75.7	75.7	75.7	75.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997145

CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	69.9	69.9	70.0	69.9	69.8	69.9	70.0	69.9	69.9	69.9	70.0
68°	67.9	67.9	68.0	68.0	67.9	68.0	68.0	67.9	67.9	67.9	68.0
68.5°	66.0	65.9	66.0	66.0	65.9	66.0	66.0	65.9	66.0	65.9	66.0
69°	64.0	64.0	64.1	64.0	64.0	64.0	64.1	64.0	64.0	64.0	64.1
69.5°	62.1	62.0	62.1	62.1	62.0	62.1	62.1	62.0	62.1	62.0	62.1
70°	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.0	60.1	60.1
70.5°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
71°	56.1	56.1	56.2	56.1	56.1	56.1	56.2	56.1	56.1	56.1	56.2
71.5°	54.2	54.1	54.2	54.2	54.2	54.2	54.2	54.1	54.2	54.1	54.2
72°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
72.5°	50.2	50.2	50.3	50.3	50.2	50.3	50.3	50.2	50.2	50.2	50.3
73°	48.3	48.3	48.3	48.3	48.2	48.3	48.3	48.3	48.3	48.3	48.3
73.5°	46.3	46.3	46.4	46.4	46.3	46.4	46.4	46.3	46.3	46.3	46.4
74°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
74.5°	42.4	42.4	42.5	42.5	42.4	42.5	42.5	42.4	42.4	42.4	42.5
75°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
75.5°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
76°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
76.5°	34.8	34.7	34.8	34.8	34.8	34.8	34.8	34.7	34.8	34.7	34.8
77°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
77.5°	31.0	31.0	31.1	31.1	31.0	31.1	31.1	31.0	31.0	31.0	31.1
78°	29.2	29.2	29.2	29.3	29.2	29.3	29.2	29.2	29.2	29.2	29.2
78.5°	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.3	27.3	27.3	27.4
79°	25.5	25.6	25.6	25.7	25.6	25.7	25.6	25.6	25.5	25.6	25.6
79.5°	23.7	23.8	23.9	23.9	23.8	23.9	23.9	23.8	23.7	23.8	23.9
80°	22.0	22.0	22.1	22.2	22.1	22.2	22.1	22.0	22.0	22.0	22.1
80.5°	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.3	20.4	20.4
81°	18.6	18.7	18.7	18.8	18.7	18.8	18.7	18.7	18.6	18.7	18.7
81.5°	17.0	17.0	17.1	17.2	17.1	17.2	17.1	17.0	17.0	17.0	17.1
82°	15.4	15.4	15.5	15.6	15.6	15.6	15.5	15.4	15.4	15.4	15.5
82.5°	13.8	13.9	14.0	14.0	14.0	14.0	14.0	13.9	13.8	13.9	14.0
83°	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.4	12.5
83.5°	10.9	10.9	11.0	11.1	11.2	11.1	11.0	10.9	10.9	10.9	11.0
84°	9.5	9.6	9.7	9.8	9.9	9.8	9.7	9.6	9.5	9.6	9.7
84.5°	8.2	8.3	8.4	8.6	8.6	8.6	8.4	8.3	8.2	8.3	8.4
85°	7.0	7.1	7.2	7.3	7.3	7.3	7.2	7.1	7.0	7.1	7.2
85.5°	5.9	5.9	6.0	6.2	6.1	6.2	6.0	5.9	5.9	5.9	6.0
86°	4.9	4.9	5.0	5.1	5.1	5.1	5.0	4.9	4.9	4.9	5.0
86.5°	3.9	3.9	4.1	4.2	4.2	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°	2.3	2.4	2.6	2.8	2.7	2.8	2.6	2.4	2.3	2.4	2.6
88°	1.7	1.7	1.9	2.2	2.1	2.2	1.9	1.7	1.7	1.7	1.9
88.5°	1.2	1.2	1.4	1.6	1.6	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: P997145
CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

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: P997145

CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	230.7	230.7	230.7	230.7	230.7	230.7
0.5°	230.8	230.6	230.8	230.9	230.6	230.7
1°	230.8	230.7	230.8	230.8	230.5	230.5
1.5°	230.7	230.6	230.7	230.8	230.5	230.5
2°	230.7	230.5	230.7	230.6	230.4	230.4
2.5°	230.5	230.4	230.5	230.6	230.3	230.4
3°	230.4	230.4	230.4	230.4	230.2	230.2
3.5°	230.3	230.1	230.3	230.3	230.1	230.1
4°	230.2	230.0	230.2	230.1	229.9	229.9
4.5°	229.9	229.8	229.9	230.0	229.7	229.7
5°	229.7	229.6	229.7	229.7	229.5	229.5
5.5°	229.5	229.3	229.5	229.5	229.2	229.3
6°	229.2	229.1	229.2	229.2	229.0	229.0
6.5°	229.0	228.8	229.0	229.0	228.7	228.7
7°	228.7	228.6	228.7	228.6	228.4	228.4
7.5°	228.3	228.1	228.3	228.4	228.1	228.2
8°	228.0	227.9	228.0	228.0	227.8	227.8
8.5°	227.6	227.5	227.6	227.7	227.4	227.4
9°	227.2	227.1	227.2	227.2	227.0	227.1
9.5°	226.8	226.7	226.8	226.9	226.6	226.6
10°	226.4	226.3	226.4	226.4	226.2	226.2
10.5°	226.0	225.7	226.0	226.0	225.7	225.8
11°	225.5	225.4	225.5	225.5	225.2	225.2
11.5°	225.0	224.8	225.0	225.0	224.7	224.8
12°	224.5	224.4	224.5	224.5	224.2	224.3
12.5°	223.9	223.8	223.9	223.9	223.7	223.7
13°	223.4	223.3	223.4	223.4	223.2	223.2
13.5°	222.8	222.7	222.8	222.8	222.6	222.7
14°	222.2	222.1	222.2	222.2	222.0	222.0
14.5°	221.6	221.5	221.6	221.6	221.4	221.4
15°	220.9	220.9	220.9	221.0	220.7	220.8
15.5°	220.3	220.1	220.3	220.3	220.1	220.1
16°	219.6	219.6	219.6	219.7	219.4	219.4
16.5°	218.9	218.8	218.9	219.0	218.7	218.8
17°	218.2	218.1	218.2	218.2	218.0	218.0
17.5°	217.4	217.3	217.4	217.5	217.2	217.3
18°	216.7	216.6	216.7	216.7	216.5	216.5
18.5°	215.9	215.7	215.9	216.0	215.7	215.8
19°	215.1	215.1	215.1	215.1	214.9	215.0
19.5°	214.3	214.1	214.3	214.4	214.1	214.2
20°	213.4	213.3	213.4	213.5	213.3	213.3
20.5°	212.7	212.5	212.7	212.7	212.4	212.5
21°	211.7	211.7	211.7	211.8	211.5	211.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997145

CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	209.1	208.8	209.1	209.1	208.8	208.9
23°	208.1	208.0	208.1	208.1	207.9	207.9
23.5°	207.1	206.9	207.1	207.2	206.9	207.0
24°	206.1	206.1	206.1	206.2	205.9	205.9
24.5°	205.2	204.9	205.2	205.2	204.9	205.0
25°	204.1	204.0	204.1	204.1	203.9	204.0
25.5°	203.1	202.9	203.1	203.1	202.9	203.0
26°	202.0	201.9	202.0	202.1	201.8	201.9
26.5°	201.0	200.8	201.0	201.1	200.7	200.8
27°	199.9	199.8	199.9	199.9	199.7	199.7
27.5°	198.8	198.6	198.8	198.8	198.5	198.7
28°	197.6	197.6	197.6	197.7	197.5	197.5
28.5°	196.5	196.3	196.5	196.6	196.3	196.4
29°	195.4	195.3	195.4	195.4	195.2	195.2
29.5°	194.3	194.0	194.3	194.3	194.0	194.1
30°	193.0	192.9	193.0	193.0	192.9	192.9
30.5°	191.8	191.7	191.8	191.9	191.6	191.7
31°	190.6	190.5	190.6	190.7	190.5	190.5
31.5°	189.4	189.2	189.4	189.5	189.2	189.3
32°	188.1	188.0	188.1	188.2	188.0	188.0
32.5°	186.9	186.7	186.9	187.0	186.7	186.8
33°	185.6	185.5	185.6	185.7	185.5	185.5
33.5°	184.3	184.1	184.3	184.4	184.1	184.2
34°	183.0	182.9	183.0	183.1	182.9	182.9
34.5°	181.7	181.5	181.7	181.8	181.5	181.6
35°	180.3	180.3	180.3	180.4	180.2	180.2
35.5°	179.0	178.9	179.0	179.1	178.9	179.0
36°	177.7	177.6	177.7	177.7	177.5	177.6
36.5°	176.3	176.1	176.3	176.4	176.1	176.2
37°	174.9	174.8	174.9	174.9	174.8	174.8
37.5°	173.5	173.4	173.5	173.6	173.4	173.5
38°	172.1	172.0	172.1	172.1	171.9	171.9
38.5°	170.6	170.5	170.6	170.8	170.5	170.6
39°	169.2	169.2	169.2	169.3	169.1	169.2
39.5°	167.8	167.6	167.8	167.9	167.6	167.7
40°	166.3	166.2	166.3	166.3	166.2	166.2
40.5°	164.8	164.7	164.8	164.9	164.6	164.8
41°	163.4	163.2	163.4	163.4	163.2	163.2
41.5°	161.8	161.7	161.8	161.9	161.7	161.8
42°	160.3	160.2	160.3	160.4	160.2	160.3
42.5°	158.8	158.7	158.8	158.9	158.6	158.7
43°	157.3	157.2	157.3	157.3	157.1	157.2
43.5°	155.7	155.5	155.7	155.8	155.6	155.6

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997145

CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	151.0	150.9	151.0	151.0	150.9	150.9
45.5°	149.4	149.2	149.4	149.5	149.3	149.3
46°	147.8	147.7	147.8	147.8	147.7	147.7
46.5°	146.2	146.0	146.2	146.3	146.1	146.1
47°	144.5	144.5	144.5	144.6	144.4	144.5
47.5°	142.9	142.7	142.9	143.0	142.8	142.8
48°	141.2	141.1	141.2	141.3	141.2	141.2
48.5°	139.6	139.4	139.6	139.6	139.5	139.6
49°	137.9	137.9	137.9	138.0	137.8	137.9
49.5°	136.3	136.1	136.3	136.3	136.2	136.2
50°	134.5	134.5	134.5	134.6	134.5	134.6
50.5°	132.9	132.7	132.9	132.9	132.8	132.8
51°	131.1	131.1	131.1	131.2	131.1	131.1
51.5°	129.4	129.3	129.4	129.5	129.4	129.4
52°	127.7	127.6	127.7	127.8	127.6	127.7
52.5°	126.0	125.9	126.0	126.0	125.9	125.9
53°	124.2	124.2	124.2	124.2	124.1	124.2
53.5°	122.5	122.3	122.5	122.5	122.4	122.4
54°	120.7	120.6	120.7	120.7	120.6	120.6
54.5°	118.9	118.8	118.9	119.0	118.8	118.9
55°	117.1	117.1	117.1	117.2	117.0	117.1
55.5°	115.3	115.2	115.3	115.4	115.3	115.3
56°	113.5	113.5	113.5	113.5	113.4	113.5
56.5°	111.7	111.6	111.7	111.8	111.7	111.7
57°	109.9	109.8	109.9	109.9	109.8	109.8
57.5°	108.0	108.0	108.0	108.1	108.0	108.0
58°	106.2	106.2	106.2	106.3	106.1	106.2
58.5°	104.4	104.2	104.4	104.5	104.3	104.4
59°	102.5	102.5	102.5	102.5	102.4	102.5
59.5°	100.6	100.5	100.6	100.7	100.6	100.6
60°	98.8	98.7	98.8	98.8	98.7	98.7
60.5°	96.9	96.8	96.9	97.0	96.9	96.9
61°	95.0	94.9	95.0	95.0	94.9	95.0
61.5°	93.1	93.0	93.1	93.2	93.1	93.1
62°	91.2	91.2	91.2	91.2	91.2	91.2
62.5°	89.3	89.2	89.3	89.4	89.2	89.3
63°	87.4	87.3	87.4	87.4	87.3	87.3
63.5°	85.5	85.4	85.5	85.5	85.4	85.5
64°	83.5	83.5	83.5	83.5	83.5	83.5
64.5°	81.6	81.5	81.6	81.7	81.6	81.6
65°	79.7	79.6	79.7	79.7	79.6	79.6
65.5°	77.7	77.6	77.7	77.8	77.7	77.7
66°	75.8	75.7	75.8	75.8	75.7	75.7

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997145

CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	69.9	69.8	69.9	70.0	69.9	69.9
68°	68.0	67.9	68.0	68.0	67.9	67.9
68.5°	66.0	65.9	66.0	66.0	65.9	66.0
69°	64.0	64.0	64.0	64.1	64.0	64.0
69.5°	62.1	62.0	62.1	62.1	62.0	62.1
70°	60.1	60.1	60.1	60.1	60.1	60.0
70.5°	58.1	58.1	58.1	58.1	58.1	58.1
71°	56.1	56.1	56.1	56.2	56.1	56.1
71.5°	54.2	54.2	54.2	54.2	54.1	54.2
72°	52.2	52.2	52.2	52.2	52.2	52.2
72.5°	50.3	50.2	50.3	50.3	50.2	50.2
73°	48.3	48.2	48.3	48.3	48.3	48.3
73.5°	46.4	46.3	46.4	46.4	46.3	46.3
74°	44.4	44.4	44.4	44.4	44.4	44.4
74.5°	42.5	42.4	42.5	42.5	42.4	42.4
75°	40.5	40.5	40.5	40.5	40.5	40.5
75.5°	38.6	38.6	38.6	38.6	38.6	38.6
76°	36.7	36.7	36.7	36.7	36.7	36.7
76.5°	34.8	34.8	34.8	34.8	34.7	34.8
77°	32.9	32.9	32.9	32.9	32.9	32.9
77.5°	31.1	31.0	31.1	31.1	31.0	31.0
78°	29.3	29.2	29.3	29.2	29.2	29.2
78.5°	27.4	27.4	27.4	27.4	27.3	27.3
79°	25.7	25.6	25.7	25.6	25.6	25.5
79.5°	23.9	23.8	23.9	23.9	23.8	23.7
80°	22.2	22.1	22.2	22.1	22.0	22.0
80.5°	20.4	20.4	20.4	20.4	20.4	20.3
81°	18.8	18.7	18.8	18.7	18.7	18.6
81.5°	17.2	17.1	17.2	17.1	17.0	17.0
82°	15.6	15.6	15.6	15.5	15.4	15.4
82.5°	14.0	14.0	14.0	14.0	13.9	13.8
83°	12.5	12.5	12.5	12.5	12.4	12.3
83.5°	11.1	11.2	11.1	11.0	10.9	10.9
84°	9.8	9.9	9.8	9.7	9.6	9.5
84.5°	8.6	8.6	8.6	8.4	8.3	8.2
85°	7.3	7.3	7.3	7.2	7.1	7.0
85.5°	6.2	6.1	6.2	6.0	5.9	5.9
86°	5.1	5.1	5.1	5.0	4.9	4.9
86.5°	4.2	4.2	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	2.7	2.8	2.6	2.4	2.3
88°	2.2	2.1	2.2	1.9	1.7	1.7
88.5°	1.6	1.6	1.6	1.4	1.2	1.2

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Scaled Data Report



TEST NUMBER: P997145
CATALOG NUMBER: SMX4RLSFS010-650LM-5000K

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°	210.7	210.7	211.0	210.9	210.7	210.9	211.0	210.7	210.7	210.7	211.0
22°	209.7	209.7	210.0	209.9	209.8	209.9	210.0	209.7	209.7	209.7	210.0



44°	154.1	154.0	154.2	154.2	154.1	154.2	154.2	154.0	154.1	154.0	154.2
44.5°	152.6	152.4	152.7	152.6	152.4	152.6	152.7	152.4	152.6	152.4	152.7

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66.5°	73.8	73.8	73.9	73.8	73.7	73.8	73.9	73.8	73.8	73.8	73.9
67°	71.8	71.8	71.9	71.8	71.8	71.8	71.9	71.8	71.8	71.8	71.9



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°	210.9	210.7	210.9	211.0	210.7	210.7
22°	209.9	209.8	209.9	210.0	209.7	209.7

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44°	154.2	154.1	154.2	154.2	154.0	154.1
44.5°	152.6	152.4	152.6	152.7	152.4	152.6

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66.5°	73.8	73.7	73.8	73.9	73.8	73.8
67°	71.8	71.8	71.8	71.9	71.8	71.8

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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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(END OF REPORT)