

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: P997174

Luminaire Tested: **SMX4SLSFSD2W-650LM-4000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410456A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX4SLSFSD2W-650LM-4000K
Description: 4IN SQAURE, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

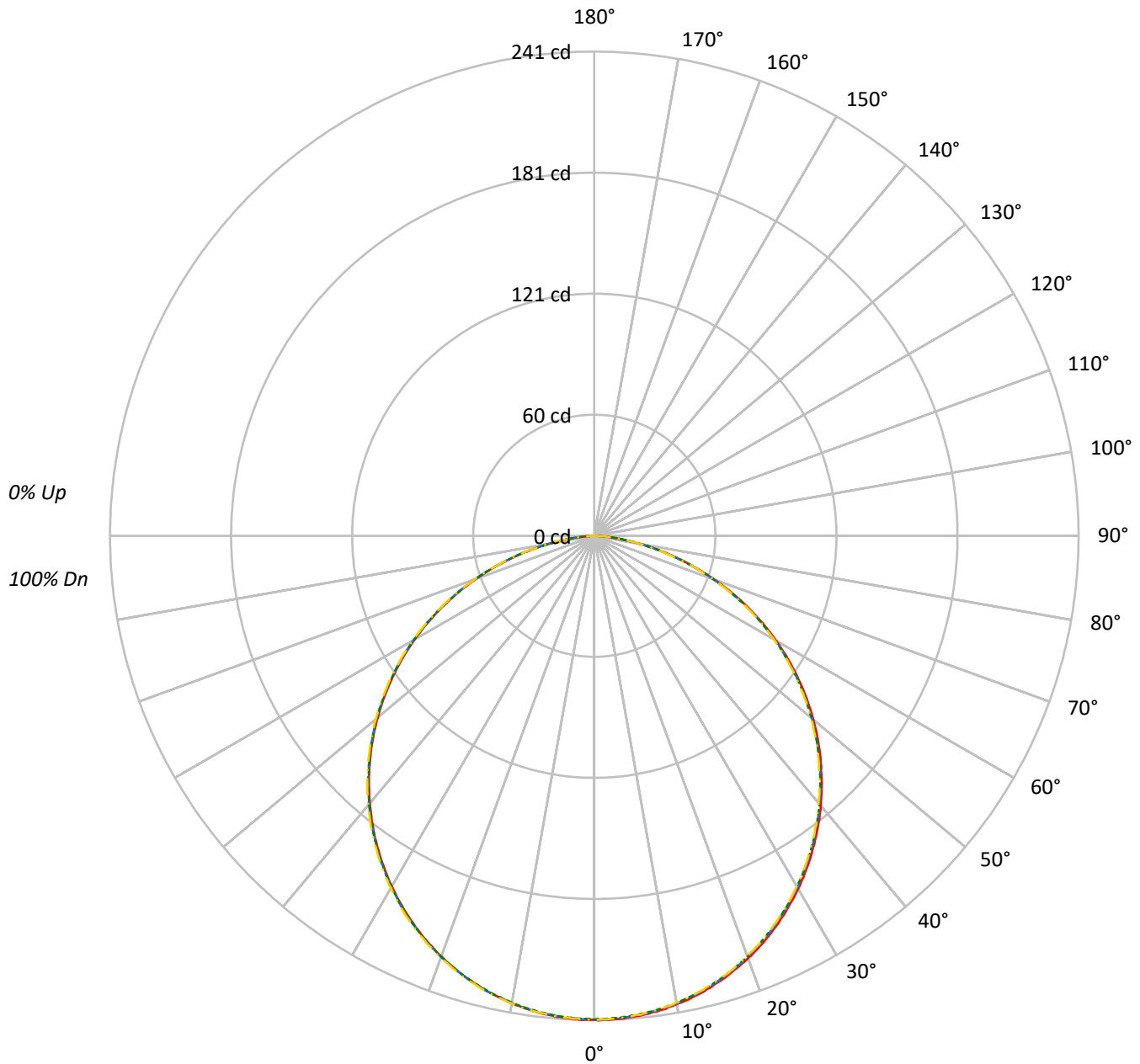
Lumens per Lamp: N/A
Luminaire Lumens: 673.5 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50		
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44		
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38		
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34		
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30		
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27		
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23801	23801	23801	23801
5°	23813	23773	23793	23763
10°	23757	23697	23717	23687
15°	23658	23587	23597	23587
20°	23541	23446	23435	23446
25°	23361	23252	23230	23263
30°	23146	23032	22998	23043
35°	22890	22781	22733	22781
40°	22619	22490	22425	22477
45°	22282	22142	22072	22128
50°	21866	21712	21636	21697
55°	21351	21196	21110	21162
60°	20658	20500	20421	20460
65°	19716	19576	19459	19506
70°	18351	18207	18091	18120
75°	16269	16192	16078	16040
80°	13092	13035	12921	12807
85°	8279	8279	8392	7939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	3.4
10°-20°	65.1	9.7
20°-30°	98.4	14.6
30°-40°	118.2	17.5
40°-50°	122.2	18.1
50°-60°	109.9	16.3
60°-70°	82.7	12.3
70°-80°	44.8	6.6
80°-90°	9.5	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°	186.2	27.7
0°-40°	304.4	45.2
0°-60°	536.5	79.7
0°-90°	673.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	241	241	241	241	241	
5°	240	240	240	240	240	23
15°	231	230	231	230	231	65
25°	214	213	213	213	214	99
35°	190	189	188	189	190	119
45°	159	158	158	158	159	123
55°	124	123	122	123	124	111
65°	84	84	83	83	84	83
75°	43	42	42	42	43	45
85°	7	7	7	7	7	10
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8
0.5°	241.3	241.0	240.9	240.7	240.5	240.6	240.9	240.9	241.0	241.0	240.9
1°	241.0	241.1	240.7	240.8	240.6	240.6	240.7	240.9	240.9	241.0	240.7
1.5°	241.1	240.8	240.9	240.6	240.5	240.5	240.8	240.7	241.1	240.8	240.7
2°	241.0	241.0	240.6	240.6	240.2	240.5	240.6	240.6	240.8	240.9	240.6
2.5°	240.8	240.7	240.5	240.1	240.3	240.3	240.5	240.5	240.9	240.7	240.3
3°	240.9	240.7	240.5	240.4	240.2	240.3	240.3	240.4	240.5	240.7	240.3
3.5°	240.8	240.7	240.2	240.1	240.0	240.0	240.2	240.3	240.5	240.5	240.2
4°	240.4	240.4	240.1	239.9	239.9	239.9	239.9	240.0	240.1	240.2	240.0
4.5°	240.3	240.2	239.9	239.7	239.5	239.7	239.9	239.8	240.2	240.1	239.9
5°	240.0	240.0	239.7	239.5	239.6	239.6	239.4	239.7	239.8	239.8	239.6
5.5°	240.0	239.8	239.5	239.4	239.1	239.1	239.5	239.2	239.5	239.6	239.3
6°	239.6	239.6	239.3	239.2	238.9	239.0	239.0	239.1	239.3	239.4	239.2
6.5°	239.4	239.2	238.9	238.7	238.6	238.6	238.9	238.7	239.1	239.1	238.8
7°	238.9	238.9	238.6	238.4	238.5	238.4	238.3	238.6	238.7	238.8	238.6
7.5°	238.9	238.6	238.3	238.0	238.1	237.9	238.2	238.1	238.4	238.3	238.3
8°	238.4	238.3	238.1	237.8	237.6	237.8	237.8	237.8	238.0	238.1	237.8
8.5°	238.2	237.9	237.5	237.2	237.4	237.0	237.3	237.3	237.7	237.5	237.5
9°	237.5	237.5	237.2	237.1	236.8	237.0	236.9	237.0	237.1	237.5	237.0
9.5°	237.3	237.2	236.8	236.4	236.6	236.5	236.6	236.5	236.8	236.7	236.7
10°	236.7	236.8	236.4	236.1	236.1	236.0	235.9	236.0	236.3	236.4	236.2
10.5°	236.4	236.2	235.9	235.5	235.6	235.5	235.8	235.5	235.9	236.0	235.9
11°	235.9	235.8	235.4	235.2	235.1	235.2	234.8	235.2	235.3	235.3	235.1
11.5°	235.5	235.2	234.9	234.7	234.6	234.5	234.6	234.5	234.9	235.0	234.8
12°	234.9	234.7	234.2	234.1	234.1	234.1	234.0	234.0	234.2	234.2	234.1
12.5°	234.3	234.2	233.9	233.6	233.5	233.4	233.4	233.4	233.8	233.8	233.7
13°	233.8	233.6	233.3	232.9	233.0	232.9	232.9	232.8	233.1	233.1	233.1
13.5°	233.3	233.0	232.7	232.3	232.4	232.2	232.4	232.2	232.6	232.7	232.6
14°	232.5	232.4	232.1	231.9	231.8	231.8	231.5	231.7	231.9	232.0	231.9
14.5°	232.2	231.7	231.6	231.0	231.2	231.0	231.2	231.0	231.2	231.3	231.2
15°	231.2	231.3	230.9	230.5	230.5	230.5	230.3	230.4	230.6	230.8	230.8
15.5°	230.6	230.4	230.1	229.7	229.7	229.7	229.8	229.7	229.8	229.9	230.0
16°	230.1	230.0	229.5	229.2	229.2	229.1	228.9	228.9	229.1	229.4	229.3
16.5°	229.4	229.0	228.7	228.3	228.3	228.2	228.3	228.2	228.5	228.7	228.6
17°	228.5	228.4	228.0	227.7	227.8	227.6	227.7	227.5	227.7	227.8	227.8
17.5°	227.8	227.7	227.3	226.7	226.9	226.7	226.8	226.6	227.0	227.1	227.1
18°	226.9	226.9	226.5	226.2	226.2	226.0	226.0	226.0	226.1	226.3	226.3
18.5°	226.3	226.0	225.6	225.2	225.3	225.2	225.3	225.0	225.3	225.6	225.5
19°	225.4	225.4	224.9	224.5	224.5	224.4	224.2	224.5	224.6	224.8	224.7
19.5°	224.6	224.3	224.0	223.5	223.8	223.6	223.7	223.4	223.6	223.8	223.9
20°	223.8	223.7	223.2	222.9	222.9	222.7	222.7	222.6	222.8	223.0	223.1
20.5°	223.0	222.7	222.2	221.9	221.8	221.8	221.7	221.6	222.0	222.2	222.2
21°	222.1	221.8	221.4	221.0	221.0	220.9	220.9	220.8	221.0	221.2	221.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	219.4	219.0	218.6	218.2	218.2	218.1	218.0	217.9	218.2	218.3	218.4
23°	218.3	218.0	217.7	217.2	217.4	217.2	217.0	217.0	217.2	217.4	217.6
23.5°	217.3	217.0	216.7	216.2	216.2	216.1	216.1	216.0	216.2	216.4	216.5
24°	216.4	216.1	215.6	215.3	215.4	215.1	215.0	214.9	215.1	215.4	215.5
24.5°	215.3	215.1	214.7	214.0	214.3	213.9	214.0	214.0	214.3	214.3	214.5
25°	214.2	214.0	213.6	213.3	213.2	213.0	212.9	212.9	213.0	213.3	213.4
25.5°	213.3	212.8	212.5	211.9	212.1	211.9	212.0	211.8	212.0	212.3	212.3
26°	212.0	211.9	211.5	211.1	211.2	210.8	210.7	210.8	210.9	211.1	211.3
26.5°	211.1	210.8	210.3	209.8	209.9	209.8	209.8	209.7	209.8	210.0	210.2
27°	209.9	209.7	209.2	208.7	208.8	208.7	208.6	208.5	208.7	208.9	209.0
27.5°	208.8	208.4	208.0	207.7	207.7	207.4	207.5	207.3	207.5	207.7	208.0
28°	207.5	207.4	206.9	206.4	206.6	206.5	206.2	206.1	206.4	206.5	206.8
28.5°	206.5	206.2	205.6	205.3	205.4	205.1	205.2	205.0	205.2	205.4	205.6
29°	205.3	205.1	204.6	204.1	204.1	203.9	203.9	203.9	204.0	204.2	204.3
29.5°	204.2	203.8	203.4	202.9	203.0	202.8	202.7	202.6	202.8	203.0	203.4
30°	202.8	202.6	202.2	201.6	201.8	201.6	201.5	201.4	201.5	201.8	201.9
30.5°	201.8	201.3	200.9	200.4	200.5	200.2	200.4	200.0	200.3	200.5	200.7
31°	200.3	200.1	199.7	199.2	199.3	199.1	199.0	198.8	199.1	199.4	199.4
31.5°	199.3	198.8	198.4	197.9	198.0	197.7	197.8	197.7	197.7	198.0	198.2
32°	197.8	197.5	197.1	196.6	196.8	196.4	196.3	196.3	196.5	196.9	197.0
32.5°	196.6	196.3	195.8	195.3	195.4	195.2	195.2	195.1	195.1	195.4	195.6
33°	195.3	194.9	194.5	193.9	194.2	193.9	193.8	193.6	193.9	194.1	194.4
33.5°	194.0	193.7	193.2	192.6	192.8	192.5	192.5	192.4	192.6	192.8	193.0
34°	192.6	192.3	191.7	191.2	191.5	191.1	191.1	191.0	191.1	191.3	191.6
34.5°	191.3	190.9	190.5	189.9	190.0	189.8	189.7	189.6	189.8	190.1	190.3
35°	189.7	189.7	189.0	188.6	188.8	188.4	188.4	188.3	188.4	188.7	188.8
35.5°	188.6	188.2	187.7	187.1	187.3	187.0	187.0	186.8	187.0	187.1	187.6
36°	187.0	186.8	186.3	185.8	186.1	185.8	185.6	185.5	185.7	186.0	186.0
36.5°	185.7	185.3	184.8	184.2	184.4	184.1	184.2	184.0	184.2	184.4	184.8
37°	184.2	184.0	183.4	182.9	183.2	182.8	182.7	182.6	182.8	183.1	183.2
37.5°	182.8	182.4	182.0	181.4	181.5	181.3	181.3	181.1	181.2	181.5	181.8
38°	181.3	181.1	180.5	180.0	180.3	180.0	179.9	179.7	179.9	180.2	180.4
38.5°	179.9	179.6	179.0	178.5	178.7	178.4	178.2	178.2	178.3	178.5	178.8
39°	178.2	178.1	177.5	177.0	177.3	176.9	176.8	176.8	176.8	177.2	177.5
39.5°	177.0	176.5	176.1	175.5	175.7	175.4	175.3	175.2	175.3	175.6	175.9
40°	175.3	175.1	174.4	173.9	174.3	173.9	173.7	173.6	173.8	174.1	174.4
40.5°	173.8	173.4	173.0	172.4	172.6	172.3	172.2	172.1	172.3	172.5	172.8
41°	172.3	172.0	171.3	170.9	171.2	170.8	170.8	170.6	170.7	171.0	171.3
41.5°	170.7	170.3	169.8	169.2	169.5	169.2	169.0	169.0	169.1	169.4	169.7
42°	169.1	169.0	168.3	167.8	168.1	167.7	167.6	167.5	167.6	167.8	168.2
42.5°	167.6	167.2	166.6	166.1	166.4	166.0	165.9	165.8	166.0	166.2	166.5
43°	165.8	165.6	165.1	164.6	164.8	164.6	164.4	164.3	164.5	164.7	165.1
43.5°	164.4	164.0	163.4	162.8	163.2	162.9	162.7	162.6	162.7	163.1	163.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	159.4	159.2	158.5	157.9	158.4	158.0	157.8	157.8	157.9	158.1	158.4
45.5°	157.8	157.3	156.9	156.3	156.6	156.2	156.1	156.1	156.1	156.5	156.8
46°	156.1	155.9	155.2	154.7	155.1	154.6	154.5	154.4	154.6	154.8	155.1
46.5°	154.4	154.0	153.5	152.9	153.3	153.0	152.8	152.7	152.9	153.2	153.4
47°	152.7	152.4	151.7	151.3	151.7	151.2	151.1	151.0	151.2	151.4	151.8
47.5°	151.0	150.6	150.2	149.5	150.0	149.5	149.3	149.3	149.4	149.7	150.0
48°	149.3	148.9	148.3	147.8	148.2	147.8	147.7	147.6	147.8	148.0	148.3
48.5°	147.6	147.2	146.7	146.1	146.5	146.0	145.9	145.9	146.0	146.2	146.5
49°	145.8	145.5	145.0	144.4	144.8	144.4	144.2	144.1	144.2	144.5	144.9
49.5°	144.0	143.7	143.1	142.6	142.9	142.6	142.5	142.4	142.5	142.7	143.0
50°	142.2	141.9	141.4	140.8	141.2	140.9	140.8	140.6	140.7	141.0	141.3
50.5°	140.5	140.2	139.6	139.0	139.3	139.0	138.9	138.9	138.9	139.2	139.6
51°	138.6	138.4	137.9	137.3	137.7	137.2	137.1	137.0	137.3	137.3	137.7
51.5°	136.9	136.6	135.9	135.3	135.7	135.5	135.2	135.3	135.3	135.7	136.0
52°	135.1	134.8	134.3	133.7	134.2	133.7	133.5	133.5	133.6	133.8	134.2
52.5°	133.3	132.9	132.3	131.7	132.1	131.9	131.6	131.7	131.7	132.1	132.4
53°	131.4	131.1	130.6	130.0	130.4	130.1	129.9	129.8	129.9	130.1	130.6
53.5°	129.5	129.2	128.6	128.0	128.5	128.2	127.9	128.0	128.0	128.3	128.6
54°	127.7	127.4	126.9	126.3	126.7	126.3	126.3	126.2	126.2	126.5	126.8
54.5°	125.8	125.5	124.9	124.2	124.8	124.4	124.3	124.3	124.3	124.5	125.0
55°	123.9	123.6	123.1	122.7	123.0	122.6	122.5	122.4	122.5	122.8	123.1
55.5°	122.1	121.7	121.2	120.5	121.0	120.7	120.6	120.4	120.5	120.9	121.2
56°	120.1	119.9	119.3	118.8	119.2	118.8	118.7	118.7	118.8	118.9	119.3
56.5°	118.2	117.9	117.4	116.8	117.3	117.0	116.7	116.7	116.8	117.1	117.5
57°	116.3	116.1	115.4	114.9	115.4	115.0	114.9	114.8	114.8	115.1	115.5
57.5°	114.3	114.1	113.5	112.9	113.5	113.1	112.9	112.9	113.0	113.3	113.6
58°	112.5	112.2	111.6	111.1	111.6	111.2	111.1	110.9	111.0	111.2	111.7
58.5°	110.4	110.2	109.6	109.1	109.5	109.2	109.1	109.0	109.1	109.4	109.8
59°	108.5	108.3	107.7	107.2	107.7	107.3	107.2	107.1	107.2	107.4	107.8
59.5°	106.5	106.2	105.7	105.2	105.7	105.4	105.2	105.1	105.1	105.5	105.9
60°	104.5	104.3	103.7	103.2	103.7	103.3	103.3	103.1	103.3	103.5	103.8
60.5°	102.5	102.3	101.8	101.2	101.8	101.4	101.3	101.2	101.2	101.6	101.9
61°	100.6	100.3	99.8	99.2	99.8	99.4	99.3	99.2	99.3	99.5	99.9
61.5°	98.6	98.4	97.8	97.2	97.7	97.5	97.3	97.2	97.3	97.6	98.0
62°	96.6	96.2	95.8	95.2	95.8	95.4	95.3	95.3	95.4	95.5	95.8
62.5°	94.5	94.3	93.7	93.2	93.8	93.5	93.3	93.2	93.2	93.6	94.0
63°	92.5	92.2	91.7	91.2	91.8	91.4	91.3	91.3	91.3	91.6	91.9
63.5°	90.5	90.2	89.7	89.1	89.7	89.4	89.3	89.1	89.2	89.5	89.9
64°	88.4	88.1	87.6	87.1	87.7	87.4	87.3	87.2	87.3	87.5	87.8
64.5°	86.4	86.1	85.6	85.1	85.7	85.3	85.2	85.1	85.2	85.5	85.9
65°	84.3	84.1	83.6	83.1	83.7	83.3	83.2	83.2	83.2	83.4	83.7
65.5°	82.3	82.0	81.5	81.0	81.6	81.3	81.1	81.1	81.1	81.4	81.8
66°	80.2	79.9	79.4	78.9	79.6	79.2	79.1	79.0	79.1	79.3	79.7

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997174

CATALOG NUMBER: SMX4SLSFSD2W-650LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	74.0	73.7	73.2	72.8	73.4	73.1	72.9	72.8	72.9	73.1	73.5
68°	71.9	71.6	71.1	70.7	71.3	71.0	70.9	70.8	70.9	71.1	71.4
68.5°	69.8	69.5	69.1	68.5	69.2	68.9	68.8	68.8	68.7	69.0	69.4
69°	67.7	67.5	66.9	66.5	67.1	66.9	66.8	66.7	66.7	66.9	67.3
69.5°	65.5	65.3	64.8	64.4	65.1	64.8	64.7	64.6	64.7	65.0	65.2
70°	63.5	63.2	62.7	62.4	63.0	62.7	62.6	62.5	62.6	62.7	63.1
70.5°	61.4	61.2	60.7	60.2	60.9	60.6	60.5	60.4	60.5	60.8	61.1
71°	59.3	59.1	58.6	58.2	58.9	58.6	58.5	58.5	58.4	58.7	59.0
71.5°	57.2	57.0	56.5	56.1	56.8	56.5	56.4	56.3	56.4	56.6	56.9
72°	55.1	54.9	54.5	54.1	54.7	54.5	54.4	54.4	54.4	54.6	54.9
72.5°	53.0	52.8	52.3	51.9	52.7	52.4	52.4	52.3	52.3	52.5	52.8
73°	51.0	50.7	50.2	49.9	50.6	50.4	50.3	50.3	50.3	50.4	50.7
73.5°	48.8	48.7	48.2	47.8	48.5	48.3	48.3	48.2	48.2	48.4	48.6
74°	46.8	46.6	46.1	45.8	46.4	46.3	46.2	46.1	46.2	46.3	46.5
74.5°	44.7	44.5	44.1	43.7	44.4	44.2	44.1	44.0	44.1	44.3	44.6
75°	42.6	42.4	42.1	41.7	42.4	42.2	42.1	42.0	42.1	42.2	42.5
75.5°	40.6	40.4	40.0	39.6	40.4	40.1	40.1	40.0	40.0	40.2	40.6
76°	38.5	38.4	38.0	37.6	38.3	38.1	38.1	37.9	38.0	38.2	38.5
76.5°	36.5	36.3	36.0	35.6	36.3	36.1	36.1	35.9	36.0	36.2	36.5
77°	34.5	34.3	34.0	33.7	34.4	34.1	34.1	34.0	34.0	34.2	34.5
77.5°	32.6	32.4	32.1	31.7	32.4	32.2	32.1	32.0	32.1	32.3	32.6
78°	30.6	30.4	30.1	29.8	30.5	30.2	30.2	30.1	30.2	30.3	30.6
78.5°	28.6	28.5	28.2	27.8	28.5	28.3	28.2	28.2	28.2	28.4	28.6
79°	26.8	26.6	26.3	26.0	26.6	26.4	26.4	26.3	26.3	26.5	26.8
79.5°	24.8	24.7	24.4	24.1	24.7	24.6	24.5	24.4	24.5	24.7	24.9
80°	23.0	22.8	22.6	22.3	22.9	22.7	22.7	22.7	22.7	22.8	23.0
80.5°	21.3	21.1	20.9	20.6	21.1	20.9	20.9	20.8	20.8	21.0	21.3
81°	19.6	19.4	19.2	18.9	19.4	19.2	19.1	19.1	19.1	19.3	19.5
81.5°	17.9	17.7	17.5	17.2	17.6	17.5	17.4	17.3	17.4	17.6	17.8
82°	16.2	16.0	15.8	15.5	16.0	15.8	15.8	15.7	15.7	15.9	16.1
82.5°	14.5	14.3	14.1	13.9	14.3	14.2	14.1	14.1	14.1	14.3	14.5
83°	12.9	12.8	12.5	12.3	12.8	12.6	12.6	12.6	12.6	12.7	12.9
83.5°	11.4	11.3	11.0	10.8	11.3	11.2	11.1	11.1	11.1	11.3	11.4
84°	10.0	9.8	9.6	9.4	9.9	9.7	9.7	9.7	9.7	9.8	10.0
84.5°	8.6	8.5	8.3	8.1	8.5	8.4	8.4	8.3	8.4	8.5	8.7
85°	7.3	7.2	7.0	6.9	7.3	7.4	7.3	7.3	7.4	7.2	7.4
85.5°	6.1	6.1	5.9	5.7	6.3	6.4	6.2	6.2	6.4	6.3	6.4
86°	5.1	5.0	4.8	4.7	5.3	5.4	5.2	5.1	5.4	5.3	5.4
86.5°	4.0	4.0	3.9	3.7	4.3	4.4	4.1	4.1	4.4	4.4	4.5
87°	3.2	3.1	3.0	2.9	3.4	3.4	3.1	3.0	3.4	3.4	3.5
87.5°	2.4	2.4	2.3	2.2	2.4	2.3	2.3	2.3	2.4	2.4	2.5
88°	1.9	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.9	1.9
88.5°	1.4	1.4	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.4	1.4

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

Scaled Data Report



TEST NUMBER: P997174
CATALOG NUMBER: SMX4SLSFSD2W-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: P997174

CATALOG NUMBER: SMX4SLSFSD2W-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	240.8	240.8	240.8	240.8	240.8	240.8
0.5°	240.7	240.4	240.6	240.8	240.9	241.3
1°	240.7	240.5	240.7	240.8	240.9	241.0
1.5°	240.6	240.4	240.5	240.8	240.8	241.1
2°	240.6	240.4	240.5	240.4	240.9	241.0
2.5°	240.5	240.2	240.3	240.7	240.7	240.8
3°	240.5	240.3	240.4	240.3	240.7	240.9
3.5°	240.2	239.8	240.1	240.3	240.3	240.8
4°	240.1	239.9	240.1	240.1	240.3	240.4
4.5°	239.7	239.5	239.7	240.0	240.1	240.3
5°	239.7	239.5	239.7	239.7	240.1	240.0
5.5°	239.4	239.2	239.1	239.6	239.6	240.0
6°	239.1	238.8	239.2	239.1	239.5	239.6
6.5°	238.9	238.7	238.8	239.0	239.2	239.4
7°	238.6	238.3	238.5	238.7	238.9	238.9
7.5°	238.2	237.9	238.2	238.4	238.5	238.9
8°	238.0	237.7	238.0	237.9	238.3	238.4
8.5°	237.6	237.3	237.4	237.9	237.7	238.2
9°	237.2	236.9	237.1	237.1	237.7	237.5
9.5°	236.7	236.5	236.6	236.9	237.0	237.3
10°	236.4	236.0	236.4	236.4	236.7	236.7
10.5°	235.9	235.4	235.6	236.1	236.2	236.4
11°	235.3	235.3	235.4	235.4	235.6	235.9
11.5°	235.0	234.4	234.8	235.0	235.3	235.5
12°	234.5	234.0	234.3	234.4	234.6	234.9
12.5°	233.9	233.5	233.6	234.1	234.2	234.3
13°	233.3	233.0	233.2	233.5	233.6	233.8
13.5°	232.7	232.3	232.5	232.8	233.1	233.3
14°	232.1	231.8	232.0	232.3	232.6	232.5
14.5°	231.5	231.1	231.2	231.6	231.8	232.2
15°	231.0	230.5	230.7	230.9	231.2	231.2
15.5°	230.1	229.8	230.0	230.4	230.6	230.6
16°	229.4	229.1	229.3	229.4	230.0	230.1
16.5°	228.7	228.5	228.6	229.1	229.1	229.4
17°	228.1	227.7	227.9	228.1	228.5	228.5
17.5°	227.3	226.9	227.1	227.4	227.7	227.8
18°	226.3	226.1	226.5	226.8	226.8	226.9
18.5°	225.8	225.4	225.6	225.9	226.2	226.3
19°	224.8	224.7	224.8	225.0	225.4	225.4
19.5°	224.1	223.7	223.9	224.3	224.6	224.6
20°	223.2	222.9	223.3	223.4	223.7	223.8
20.5°	222.2	222.0	222.1	222.7	222.9	223.0
21°	221.5	221.1	221.5	221.6	221.9	222.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997174

CATALOG NUMBER: SMX4SLSFSD2W-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	218.7	218.2	218.4	219.1	219.1	219.4
23°	217.6	217.4	217.8	217.8	218.3	218.3
23.5°	216.8	216.4	216.6	217.1	217.2	217.3
24°	215.7	215.4	215.6	216.0	216.3	216.4
24.5°	214.7	214.2	214.6	215.1	215.2	215.3
25°	213.7	213.3	213.5	213.9	214.3	214.2
25.5°	212.5	212.1	212.5	212.9	213.1	213.3
26°	211.5	211.2	211.5	211.7	212.1	212.0
26.5°	210.4	209.9	210.2	210.8	211.0	211.1
27°	209.3	208.9	209.2	209.6	209.9	209.9
27.5°	208.2	207.6	208.1	208.5	208.7	208.8
28°	207.0	206.6	206.9	207.3	207.6	207.5
28.5°	205.8	205.5	205.7	206.2	206.4	206.5
29°	204.7	204.2	204.6	204.9	205.4	205.3
29.5°	203.4	203.1	203.4	203.9	204.0	204.2
30°	202.3	201.9	202.2	202.4	203.0	202.8
30.5°	200.9	200.6	200.9	201.5	201.4	201.8
31°	199.9	199.4	199.7	200.0	200.6	200.3
31.5°	198.3	198.1	198.4	199.0	199.0	199.3
32°	197.4	196.7	197.2	197.6	197.8	197.8
32.5°	195.8	195.6	195.9	196.3	196.5	196.6
33°	194.7	194.2	194.5	195.0	195.3	195.3
33.5°	193.0	192.8	193.3	193.6	194.0	194.0
34°	192.1	191.6	191.9	192.3	192.6	192.6
34.5°	190.4	190.1	190.5	190.9	191.3	191.3
35°	189.2	188.8	189.2	189.5	189.9	189.7
35.5°	187.7	187.4	187.7	188.2	188.5	188.6
36°	186.5	186.0	186.3	186.7	187.1	187.0
36.5°	185.0	184.5	184.9	185.4	185.6	185.7
37°	183.6	183.1	183.5	183.9	184.2	184.2
37.5°	182.1	181.6	182.0	182.6	182.7	182.8
38°	180.7	180.3	180.6	181.0	181.4	181.3
38.5°	179.2	178.7	179.1	179.6	179.8	179.9
39°	177.8	177.1	177.7	178.0	178.5	178.2
39.5°	176.1	175.7	176.2	176.5	176.9	177.0
40°	174.8	174.2	174.6	175.1	175.4	175.3
40.5°	173.1	172.7	173.0	173.5	173.7	173.8
41°	171.7	171.1	171.6	171.9	172.3	172.3
41.5°	170.1	169.6	170.0	170.4	170.7	170.7
42°	168.5	168.0	168.4	168.8	169.2	169.1
42.5°	166.8	166.4	166.8	167.2	167.4	167.6
43°	165.4	164.9	165.3	165.6	166.0	165.8
43.5°	163.7	163.2	163.6	164.1	164.3	164.4

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997174

CATALOG NUMBER: SMX4SLSFSD2W-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	158.9	158.3	158.7	159.1	159.4	159.4
45.5°	157.1	156.7	157.1	157.4	157.7	157.8
46°	155.5	155.0	155.3	155.8	156.2	156.1
46.5°	153.7	153.2	153.7	154.0	154.4	154.4
47°	152.2	151.6	151.9	152.4	152.7	152.7
47.5°	150.3	149.9	150.3	150.7	151.0	151.0
48°	148.7	148.1	148.6	149.0	149.3	149.3
48.5°	146.9	146.4	146.8	147.3	147.5	147.6
49°	145.2	144.7	145.1	145.5	145.8	145.8
49.5°	143.3	143.0	143.3	143.7	144.0	144.0
50°	141.8	141.1	141.6	141.9	142.3	142.2
50.5°	139.9	139.4	139.8	140.1	140.4	140.5
51°	138.1	137.5	138.0	138.4	138.6	138.6
51.5°	136.3	135.7	136.3	136.5	136.9	136.9
52°	134.5	134.0	134.4	134.8	135.1	135.1
52.5°	132.8	132.2	132.6	132.9	133.3	133.3
53°	130.8	130.2	130.8	131.1	131.4	131.4
53.5°	129.1	128.5	128.9	129.2	129.6	129.5
54°	127.1	126.6	126.9	127.4	127.6	127.7
54.5°	125.3	124.7	125.2	125.5	125.9	125.8
55°	123.5	122.8	123.2	123.7	123.9	123.9
55.5°	121.6	121.1	121.4	121.7	122.0	122.1
56°	119.7	119.1	119.4	119.9	120.2	120.1
56.5°	117.8	117.2	117.6	117.9	118.2	118.2
57°	115.9	115.3	115.7	116.0	116.4	116.3
57.5°	113.9	113.4	113.7	114.1	114.3	114.3
58°	112.0	111.3	111.7	112.2	112.5	112.5
58.5°	110.1	109.5	109.9	110.2	110.5	110.4
59°	108.2	107.5	107.8	108.2	108.5	108.5
59.5°	106.1	105.5	106.0	106.2	106.6	106.5
60°	104.2	103.5	103.9	104.3	104.6	104.5
60.5°	102.2	101.6	102.0	102.2	102.6	102.5
61°	100.2	99.5	99.9	100.3	100.5	100.6
61.5°	98.2	97.6	98.1	98.3	98.6	98.6
62°	96.3	95.5	96.0	96.3	96.6	96.6
62.5°	94.2	93.6	94.0	94.2	94.5	94.5
63°	92.3	91.6	91.9	92.3	92.6	92.5
63.5°	90.2	89.5	90.0	90.2	90.5	90.5
64°	88.2	87.5	87.8	88.2	88.4	88.4
64.5°	86.1	85.4	85.9	86.1	86.4	86.4
65°	84.2	83.4	83.7	84.0	84.4	84.3
65.5°	82.1	81.4	81.7	82.0	82.3	82.3
66°	80.0	79.3	79.7	79.9	80.2	80.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997174

CATALOG NUMBER: SMX4SLSFSD2W-650LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	73.9	73.1	73.5	73.7	74.0	74.0
68°	71.7	71.0	71.4	71.6	71.8	71.9
68.5°	69.7	68.9	69.3	69.5	69.8	69.8
69°	67.7	66.8	67.2	67.4	67.6	67.7
69.5°	65.5	64.8	65.1	65.4	65.6	65.5
70°	63.5	62.7	63.0	63.3	63.4	63.5
70.5°	61.4	60.6	61.0	61.2	61.4	61.4
71°	59.4	58.6	58.8	59.0	59.3	59.3
71.5°	57.2	56.4	56.8	57.0	57.2	57.2
72°	55.2	54.4	54.7	55.0	55.1	55.1
72.5°	53.2	52.3	52.6	52.8	53.1	53.0
73°	51.1	50.2	50.5	50.7	50.9	51.0
73.5°	49.0	48.1	48.5	48.6	48.9	48.8
74°	47.0	46.1	46.4	46.6	46.7	46.8
74.5°	44.9	44.0	44.3	44.5	44.7	44.7
75°	42.8	42.0	42.3	42.4	42.7	42.6
75.5°	40.8	40.0	40.3	40.4	40.6	40.6
76°	38.8	37.9	38.2	38.4	38.6	38.5
76.5°	36.7	35.9	36.2	36.4	36.6	36.5
77°	34.7	34.0	34.2	34.4	34.6	34.5
77.5°	32.8	32.0	32.3	32.4	32.6	32.6
78°	30.9	30.1	30.3	30.4	30.6	30.6
78.5°	28.9	28.1	28.4	28.5	28.7	28.6
79°	27.0	26.2	26.5	26.6	26.8	26.8
79.5°	25.1	24.4	24.6	24.7	24.9	24.8
80°	23.3	22.5	22.7	22.9	23.0	23.0
80.5°	21.5	20.9	21.0	21.2	21.3	21.3
81°	19.7	19.2	19.3	19.4	19.6	19.6
81.5°	17.9	17.5	17.6	17.7	17.9	17.9
82°	16.3	15.8	15.9	16.0	16.2	16.2
82.5°	14.6	14.1	14.2	14.3	14.5	14.5
83°	13.1	12.5	12.7	12.7	12.9	12.9
83.5°	11.6	11.0	11.2	11.3	11.4	11.4
84°	10.1	9.6	9.8	9.8	10.0	10.0
84.5°	8.8	8.3	8.4	8.5	8.6	8.6
85°	7.5	7.0	7.1	7.2	7.3	7.3
85.5°	6.5	5.9	6.0	6.0	6.1	6.1
86°	5.5	4.8	4.9	4.9	5.0	5.1
86.5°	4.5	3.8	3.9	4.0	4.1	4.0
87°	3.5	3.0	3.1	3.1	3.2	3.2
87.5°	2.6	2.3	2.3	2.4	2.4	2.4
88°	1.9	1.8	1.9	1.9	1.9	1.9
88.5°	1.4	1.4	1.4	1.4	1.5	1.4

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Scaled Data Report



TEST NUMBER: P997174
CATALOG NUMBER: SMX4SLSFSD2W-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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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°	221.2	220.9	220.3	220.0	220.1	219.9	220.0	219.8	220.0	220.3	220.5
22°	220.2	220.0	219.6	219.1	219.4	219.1	219.1	218.9	219.1	219.4	219.5



44°	162.5	162.5	161.9	161.3	161.6	161.3	161.0	161.1	161.2	161.4	161.7
44.5°	161.1	160.7	160.2	159.6	159.9	159.5	159.5	159.3	159.5	159.8	160.2



66.5°	78.1	77.9	77.4	76.8	77.5	77.2	77.0	76.9	77.0	77.3	77.6
67°	76.0	75.8	75.3	74.8	75.4	75.1	75.0	74.9	75.0	75.3	75.5

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

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21.5°	220.5	220.0	220.3	220.7	221.0	221.2
22°	219.6	219.4	219.7	219.8	220.2	220.2

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44°	162.2	161.5	161.9	162.4	162.7	162.5
44.5°	160.4	159.9	160.3	160.7	161.1	161.1

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66.5°	78.0	77.3	77.7	77.8	78.1	78.1
67°	75.9	75.1	75.5	75.7	76.0	76.0

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

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Scaled Data Report



(END OF REPORT)