

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: P997167

Luminaire Tested: **SMX4SLSFSD2W-1000LM-3000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997167
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-1000LM-3000K
Description: 4IN SQAURE, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

Summary

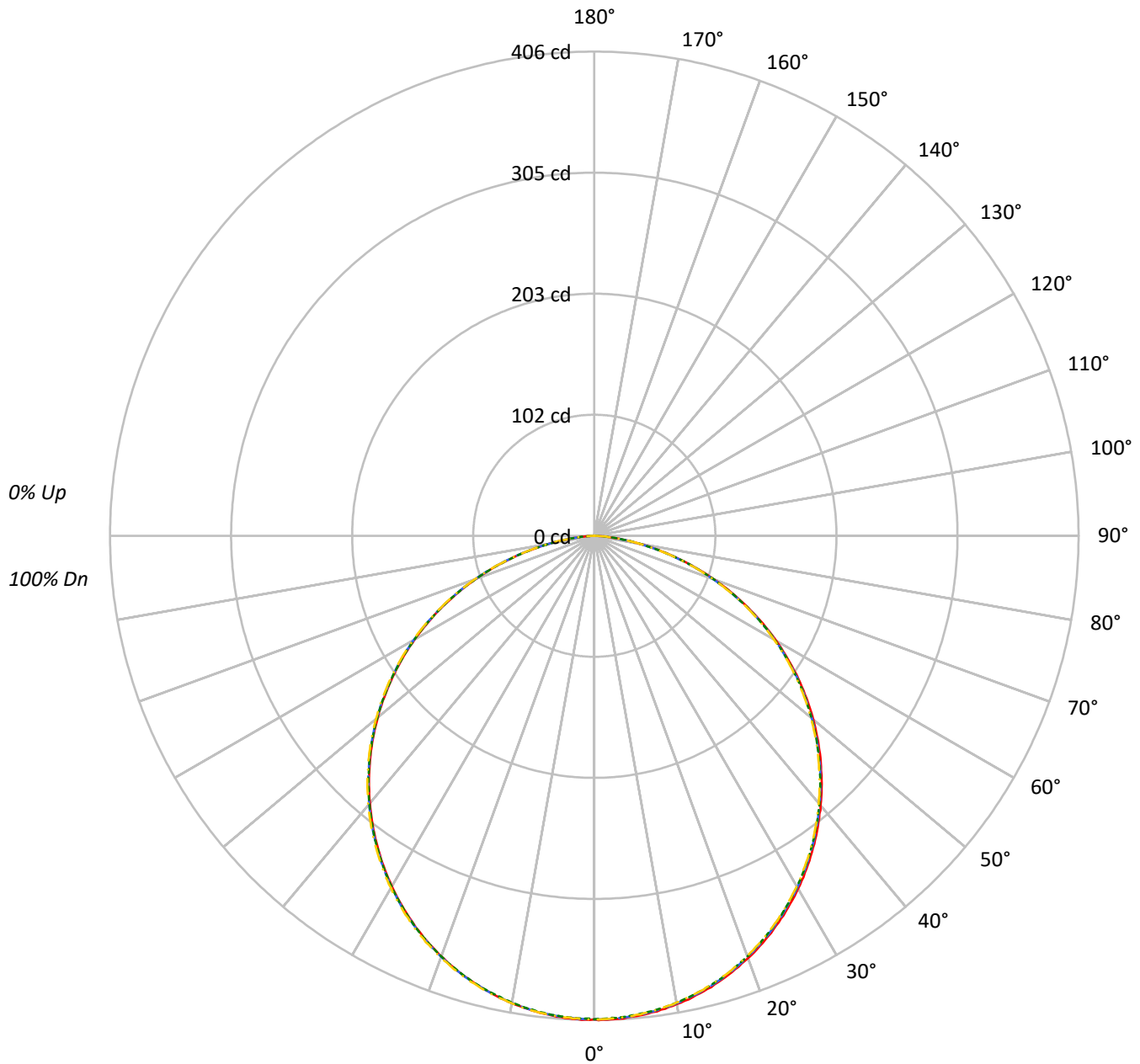
Lumens per Lamp: N/A
Luminaire Lumens: 1134.1 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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	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°	40081	40081	40081	40081
5°	40115	40035	40075	40025
10°	40016	39906	39936	39896
15°	39847	39724	39734	39724
20°	39644	39487	39466	39487
25°	39338	39164	39131	39185
30°	38988	38794	38737	38805
35°	38552	38359	38287	38359
40°	38077	37870	37754	37844
45°	37518	37280	37169	37266
50°	36828	36567	36444	36536
55°	35947	35706	35551	35637
60°	34812	34535	34397	34476
65°	33211	32954	32790	32860
70°	30894	30662	30460	30518
75°	27420	27267	27038	27000
80°	22028	21971	21744	21630
85°	13949	13836	14063	13382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	3.4
10°-20°	109.6	9.7
20°-30°	165.6	14.6
30°-40°	199.0	17.5
40°-50°	205.8	18.1
50°-60°	185.1	16.3
60°-70°	139.2	12.3
70°-80°	75.4	6.6
80°-90°	16.0	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°	313.6	27.7
0°-40°	512.7	45.2
0°-60°	903.6	79.7
0°-90°	1134.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1134.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	406	406	406	406	406	
5°	404	404	404	403	404	38
15°	389	388	388	388	389	110
25°	361	359	359	359	361	166
35°	320	318	317	318	320	200
45°	268	267	266	267	268	207
55°	209	207	206	207	209	186
65°	142	141	140	140	142	140
75°	72	71	71	71	72	76
85°	12	12	12	12	12	16
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°	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5
0.5°	406.3	405.8	405.6	405.3	405.0	405.2	405.7	405.6	405.9	405.9	405.7
1°	405.9	406.0	405.3	405.5	405.2	405.1	405.4	405.7	405.7	405.9	405.3
1.5°	406.0	405.6	405.7	405.2	405.0	405.0	405.5	405.4	406.0	405.5	405.3
2°	405.8	405.9	405.2	405.2	404.5	405.1	405.1	405.3	405.5	405.7	405.3
2.5°	405.6	405.3	405.0	404.4	404.7	404.6	405.0	404.9	405.6	405.4	404.7
3°	405.7	405.3	405.0	404.9	404.5	404.7	404.7	404.8	405.1	405.3	404.7
3.5°	405.5	405.3	404.5	404.4	404.2	404.2	404.5	404.6	405.1	405.0	404.5
4°	404.8	404.9	404.4	404.0	404.1	403.9	404.0	404.1	404.4	404.5	404.2
4.5°	404.6	404.6	404.1	403.7	403.3	403.7	404.0	403.9	404.5	404.3	403.9
5°	404.3	404.1	403.7	403.4	403.5	403.5	403.2	403.6	403.9	403.9	403.5
5.5°	404.1	403.9	403.3	403.1	402.7	402.7	403.3	402.8	403.4	403.5	403.0
6°	403.6	403.6	403.0	402.8	402.3	402.5	402.4	402.7	403.0	403.2	402.8
6.5°	403.2	402.8	402.3	402.0	401.7	401.8	402.4	402.0	402.7	402.6	402.1
7°	402.4	402.4	401.9	401.5	401.6	401.4	401.4	401.8	401.9	402.1	401.8
7.5°	402.3	401.9	401.3	400.8	400.9	400.7	401.1	401.0	401.5	401.4	401.2
8°	401.4	401.4	401.0	400.5	400.2	400.5	400.5	400.4	400.7	401.1	400.6
8.5°	401.1	400.6	399.9	399.5	399.8	399.2	399.6	399.7	400.2	400.0	400.0
9°	400.0	400.0	399.5	399.3	398.9	399.1	398.9	399.1	399.3	400.0	399.1
9.5°	399.7	399.4	398.7	398.2	398.4	398.2	398.5	398.2	398.9	398.7	398.6
10°	398.7	398.7	398.1	397.6	397.6	397.4	397.3	397.5	397.9	398.0	397.7
10.5°	398.2	397.7	397.3	396.6	396.7	396.6	397.1	396.5	397.3	397.4	397.2
11°	397.2	397.1	396.4	396.2	395.9	396.0	395.4	396.0	396.2	396.3	396.0
11.5°	396.7	396.2	395.6	395.2	395.1	394.9	395.2	395.0	395.6	395.7	395.5
12°	395.6	395.3	394.4	394.2	394.2	394.2	394.1	394.1	394.4	394.5	394.2
12.5°	394.5	394.4	393.9	393.3	393.2	393.1	393.1	393.1	393.7	393.7	393.5
13°	393.8	393.3	393.0	392.3	392.4	392.2	392.2	392.1	392.5	392.6	392.6
13.5°	392.9	392.4	391.8	391.2	391.4	391.1	391.4	391.1	391.7	391.9	391.7
14°	391.6	391.4	390.8	390.5	390.4	390.3	389.9	390.1	390.5	390.7	390.5
14.5°	391.0	390.2	389.9	389.0	389.3	389.0	389.4	389.0	389.4	389.5	389.3
15°	389.4	389.5	388.8	388.2	388.2	388.1	387.9	388.0	388.3	388.6	388.6
15.5°	388.4	387.9	387.5	386.8	386.8	386.8	387.0	386.9	387.1	387.2	387.3
16°	387.4	387.3	386.5	386.0	386.1	385.9	385.5	385.5	385.8	386.3	386.2
16.5°	386.3	385.7	385.1	384.5	384.4	384.3	384.5	384.3	384.9	385.1	384.9
17°	384.9	384.7	384.0	383.5	383.6	383.3	383.4	383.1	383.4	383.6	383.7
17.5°	383.7	383.4	382.7	381.9	382.2	381.8	382.0	381.5	382.3	382.4	382.4
18°	382.2	382.1	381.5	381.0	380.9	380.6	380.6	380.6	380.8	381.1	381.0
18.5°	381.2	380.6	379.9	379.2	379.5	379.3	379.4	379.0	379.5	379.9	379.7
19°	379.5	379.6	378.7	378.1	378.0	377.9	377.6	378.1	378.2	378.5	378.5
19.5°	378.3	377.7	377.2	376.5	376.8	376.5	376.7	376.2	376.6	376.8	377.1
20°	376.9	376.7	375.8	375.4	375.4	375.1	375.0	374.9	375.2	375.6	375.7
20.5°	375.5	375.0	374.2	373.7	373.6	373.5	373.4	373.3	373.8	374.2	374.2
21°	374.1	373.6	372.8	372.1	372.3	372.1	372.0	371.8	372.2	372.5	372.6

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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°	369.4	368.7	368.1	367.5	367.4	367.3	367.1	367.0	367.5	367.7	367.8
23°	367.7	367.2	366.6	365.8	366.1	365.8	365.4	365.4	365.9	366.1	366.4
23.5°	366.0	365.5	364.9	364.2	364.2	363.9	363.9	363.8	364.1	364.5	364.5
24°	364.4	363.9	363.2	362.5	362.7	362.3	362.1	361.9	362.3	362.7	362.9
24.5°	362.6	362.3	361.5	360.5	360.8	360.3	360.4	360.4	360.9	360.9	361.3
25°	360.7	360.4	359.7	359.2	359.1	358.8	358.5	358.5	358.8	359.1	359.4
25.5°	359.2	358.4	357.9	356.9	357.2	356.8	357.1	356.7	357.0	357.5	357.6
26°	357.1	356.9	356.2	355.5	355.7	355.0	354.9	355.0	355.2	355.4	355.9
26.5°	355.6	355.1	354.2	353.3	353.5	353.2	353.3	353.1	353.3	353.6	354.0
27°	353.4	353.1	352.3	351.5	351.7	351.6	351.2	351.1	351.5	351.9	351.9
27.5°	351.7	351.0	350.3	349.8	349.7	349.2	349.5	349.2	349.5	349.9	350.3
28°	349.5	349.3	348.4	347.6	347.9	347.7	347.2	347.1	347.6	347.8	348.2
28.5°	347.7	347.3	346.3	345.7	345.9	345.4	345.5	345.3	345.6	345.9	346.2
29°	345.8	345.4	344.5	343.7	343.8	343.4	343.4	343.3	343.6	343.9	344.1
29.5°	343.8	343.2	342.5	341.7	341.8	341.5	341.4	341.3	341.5	341.9	342.5
30°	341.6	341.1	340.5	339.6	339.9	339.6	339.4	339.2	339.4	339.9	340.1
30.5°	339.8	339.1	338.3	337.5	337.7	337.1	337.4	336.8	337.3	337.7	338.0
31°	337.4	337.0	336.3	335.4	335.7	335.4	335.2	334.8	335.3	335.8	335.9
31.5°	335.6	334.8	334.1	333.2	333.4	333.0	333.1	332.9	333.0	333.4	333.8
32°	333.1	332.7	331.9	331.0	331.4	330.8	330.6	330.6	331.0	331.6	331.8
32.5°	331.1	330.6	329.7	328.9	329.0	328.7	328.7	328.5	328.6	329.1	329.5
33°	328.9	328.2	327.6	326.6	327.1	326.5	326.3	326.0	326.5	326.9	327.3
33.5°	326.7	326.2	325.3	324.4	324.7	324.2	324.2	324.0	324.3	324.6	325.0
34°	324.3	323.9	322.9	322.0	322.6	321.9	321.9	321.6	321.9	322.2	322.7
34.5°	322.2	321.5	320.9	319.8	319.9	319.7	319.5	319.4	319.6	320.2	320.5
35°	319.5	319.4	318.3	317.6	317.9	317.3	317.3	317.2	317.3	317.8	318.0
35.5°	317.6	316.9	316.1	315.1	315.5	314.9	315.0	314.6	314.9	315.1	316.0
36°	314.9	314.6	313.7	312.9	313.3	312.8	312.5	312.3	312.7	313.2	313.3
36.5°	312.8	312.1	311.3	310.3	310.6	310.1	310.2	309.9	310.2	310.5	311.1
37°	310.2	309.8	308.9	308.0	308.5	307.9	307.7	307.5	307.9	308.4	308.6
37.5°	307.8	307.1	306.4	305.5	305.7	305.3	305.2	305.0	305.2	305.6	306.2
38°	305.3	305.0	303.9	303.1	303.6	303.1	302.9	302.6	302.9	303.4	303.8
38.5°	302.9	302.4	301.4	300.5	301.0	300.4	300.1	300.1	300.2	300.7	301.1
39°	300.1	300.0	298.9	298.2	298.6	298.0	297.7	297.7	297.8	298.3	298.9
39.5°	298.1	297.2	296.5	295.5	295.9	295.3	295.3	295.0	295.3	295.7	296.2
40°	295.1	294.9	293.7	292.9	293.5	292.9	292.5	292.4	292.6	293.2	293.7
40.5°	292.7	292.0	291.3	290.4	290.6	290.2	289.9	289.8	290.2	290.6	291.1
41°	290.1	289.6	288.5	287.9	288.3	287.6	287.6	287.4	287.5	287.9	288.5
41.5°	287.5	286.8	286.0	284.9	285.4	284.9	284.7	284.6	284.8	285.3	285.9
42°	284.8	284.6	283.4	282.6	283.0	282.5	282.3	282.0	282.2	282.6	283.3
42.5°	282.3	281.6	280.6	279.7	280.3	279.5	279.4	279.3	279.6	280.0	280.4
43°	279.3	278.9	278.1	277.2	277.6	277.1	276.9	276.7	277.0	277.4	278.0
43.5°	276.9	276.2	275.2	274.2	274.9	274.4	274.1	273.8	274.0	274.6	275.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	268.4	268.1	266.9	266.0	266.7	266.1	265.7	265.7	265.9	266.3	266.8
45.5°	265.8	265.0	264.2	263.2	263.8	263.1	262.9	263.0	262.9	263.6	264.1
46°	262.9	262.6	261.4	260.6	261.1	260.3	260.2	260.0	260.4	260.7	261.3
46.5°	260.0	259.4	258.5	257.5	258.1	257.6	257.3	257.1	257.4	258.0	258.4
47°	257.1	256.7	255.5	254.8	255.4	254.6	254.5	254.4	254.6	254.9	255.6
47.5°	254.4	253.7	253.0	251.8	252.6	251.8	251.4	251.4	251.6	252.1	252.6
48°	251.4	250.8	249.8	248.9	249.6	249.0	248.8	248.5	248.9	249.3	249.8
48.5°	248.5	247.9	247.1	246.0	246.6	245.9	245.8	245.7	245.8	246.2	246.8
49°	245.6	245.1	244.2	243.2	243.9	243.1	242.9	242.6	242.9	243.4	244.0
49.5°	242.5	242.1	241.0	240.2	240.6	240.1	240.0	239.9	239.9	240.3	240.9
50°	239.5	238.9	238.2	237.1	237.8	237.3	237.0	236.8	237.0	237.4	238.0
50.5°	236.6	236.2	235.1	234.1	234.7	234.0	233.9	233.9	233.9	234.5	235.0
51°	233.5	233.1	232.2	231.1	231.9	231.1	231.0	230.8	231.2	231.3	231.9
51.5°	230.6	230.0	228.9	227.9	228.6	228.2	227.8	227.9	227.9	228.5	229.1
52°	227.5	227.0	226.2	225.2	226.0	225.1	224.9	224.8	225.0	225.3	226.0
52.5°	224.5	223.9	222.9	221.9	222.5	222.1	221.6	221.8	221.7	222.4	222.9
53°	221.2	220.8	219.9	218.9	219.7	219.0	218.8	218.6	218.8	219.2	219.9
53.5°	218.2	217.7	216.7	215.6	216.5	215.9	215.4	215.5	215.6	216.1	216.6
54°	215.0	214.5	213.7	212.7	213.5	212.7	212.7	212.5	212.6	213.0	213.6
54.5°	211.8	211.3	210.4	209.2	210.2	209.5	209.3	209.2	209.3	209.7	210.5
55°	208.6	208.2	207.4	206.6	207.2	206.5	206.3	206.1	206.3	206.8	207.3
55.5°	205.6	205.0	204.1	203.0	203.8	203.3	203.1	202.8	203.0	203.7	204.1
56°	202.2	201.9	200.9	200.1	200.8	200.1	199.8	199.9	200.1	200.2	200.8
56.5°	199.1	198.6	197.7	196.6	197.5	197.1	196.6	196.5	196.6	197.3	197.8
57°	195.8	195.4	194.4	193.6	194.3	193.6	193.5	193.4	193.4	193.9	194.6
57.5°	192.5	192.1	191.2	190.2	191.1	190.5	190.1	190.1	190.3	190.8	191.3
58°	189.4	188.9	187.9	187.1	187.9	187.2	187.1	186.8	187.0	187.4	188.0
58.5°	186.0	185.5	184.6	183.7	184.5	184.0	183.7	183.6	183.8	184.2	184.9
59°	182.7	182.3	181.4	180.5	181.4	180.7	180.5	180.4	180.5	180.9	181.5
59.5°	179.4	178.9	178.0	177.1	178.0	177.4	177.1	177.0	176.9	177.7	178.3
60°	176.1	175.6	174.7	173.8	174.7	173.9	173.9	173.7	174.0	174.2	174.8
60.5°	172.7	172.3	171.4	170.4	171.4	170.7	170.5	170.4	170.5	171.0	171.6
61°	169.4	168.9	168.0	167.1	168.0	167.4	167.3	167.1	167.2	167.6	168.2
61.5°	166.0	165.7	164.6	163.7	164.6	164.2	163.9	163.7	163.9	164.4	165.0
62°	162.7	162.1	161.3	160.4	161.3	160.7	160.6	160.5	160.6	160.9	161.4
62.5°	159.2	158.7	157.9	157.0	157.9	157.4	157.1	156.9	157.0	157.6	158.2
63°	155.7	155.3	154.4	153.6	154.5	153.9	153.8	153.7	153.8	154.2	154.7
63.5°	152.4	152.0	151.0	150.1	151.0	150.6	150.3	150.1	150.2	150.7	151.4
64°	148.9	148.4	147.6	146.7	147.8	147.1	147.0	146.9	147.0	147.3	147.9
64.5°	145.4	145.1	144.1	143.3	144.3	143.7	143.5	143.2	143.5	144.0	144.6
65°	142.0	141.5	140.7	139.9	140.9	140.4	140.1	140.1	140.2	140.5	141.0
65.5°	138.5	138.2	137.2	136.5	137.4	136.9	136.6	136.5	136.6	137.2	137.7
66°	135.0	134.5	133.7	132.9	134.0	133.4	133.3	133.1	133.2	133.6	134.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997167

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	124.6	124.1	123.3	122.5	123.6	123.1	122.8	122.7	122.8	123.2	123.8
68°	121.0	120.6	119.7	119.1	120.1	119.5	119.4	119.2	119.4	119.7	120.2
68.5°	117.5	117.1	116.3	115.4	116.6	116.0	115.9	115.8	115.7	116.3	116.9
69°	114.0	113.6	112.7	112.1	113.0	112.6	112.5	112.3	112.3	112.7	113.3
69.5°	110.4	110.0	109.2	108.5	109.6	109.1	109.0	108.7	108.9	109.4	109.8
70°	106.9	106.4	105.6	105.1	106.1	105.6	105.4	105.3	105.4	105.7	106.2
70.5°	103.4	103.0	102.3	101.4	102.6	102.1	101.9	101.7	101.9	102.3	102.9
71°	99.9	99.5	98.8	98.0	99.1	98.6	98.5	98.5	98.4	98.8	99.3
71.5°	96.3	96.0	95.2	94.4	95.7	95.1	95.0	94.7	94.9	95.4	95.9
72°	92.8	92.4	91.7	91.1	92.2	91.7	91.7	91.6	91.6	91.9	92.4
72.5°	89.3	88.9	88.2	87.4	88.7	88.3	88.2	88.1	88.1	88.4	88.9
73°	85.8	85.4	84.6	84.1	85.2	84.8	84.8	84.6	84.7	85.0	85.4
73.5°	82.2	81.9	81.2	80.5	81.7	81.4	81.3	81.1	81.2	81.5	81.8
74°	78.8	78.4	77.7	77.1	78.2	77.9	77.9	77.7	77.7	78.0	78.3
74.5°	75.2	75.0	74.3	73.6	74.8	74.4	74.3	74.1	74.2	74.6	75.1
75°	71.8	71.5	70.8	70.3	71.4	71.0	70.9	70.7	70.8	71.1	71.5
75.5°	68.4	68.1	67.4	66.7	68.0	67.5	67.5	67.3	67.3	67.8	68.4
76°	64.9	64.6	63.9	63.3	64.5	64.2	64.1	63.9	63.9	64.3	64.8
76.5°	61.5	61.2	60.6	59.9	61.1	60.7	60.7	60.5	60.6	61.0	61.4
77°	58.1	57.8	57.3	56.7	57.9	57.5	57.4	57.3	57.3	57.6	58.0
77.5°	54.9	54.5	54.0	53.3	54.5	54.2	54.0	53.9	54.0	54.4	54.8
78°	51.5	51.2	50.7	50.1	51.3	50.9	50.9	50.8	50.8	51.0	51.5
78.5°	48.2	48.0	47.4	46.9	47.9	47.7	47.6	47.4	47.5	47.8	48.2
79°	45.1	44.7	44.2	43.7	44.8	44.5	44.4	44.3	44.3	44.6	45.1
79.5°	41.8	41.6	41.1	40.5	41.6	41.4	41.2	41.1	41.2	41.6	42.0
80°	38.7	38.5	38.0	37.5	38.6	38.3	38.2	38.2	38.2	38.4	38.8
80.5°	35.8	35.6	35.1	34.7	35.5	35.2	35.2	35.1	35.1	35.4	35.8
81°	33.0	32.7	32.3	31.8	32.6	32.3	32.2	32.1	32.2	32.4	32.8
81.5°	30.1	29.9	29.4	29.0	29.7	29.5	29.4	29.2	29.3	29.6	29.9
82°	27.2	27.0	26.6	26.2	26.9	26.6	26.6	26.5	26.5	26.8	27.1
82.5°	24.3	24.1	23.8	23.3	24.1	24.0	23.8	23.7	23.8	24.1	24.4
83°	21.7	21.5	21.1	20.7	21.5	21.3	21.2	21.2	21.2	21.4	21.7
83.5°	19.1	19.0	18.6	18.2	19.0	18.8	18.7	18.6	18.7	19.0	19.2
84°	16.8	16.6	16.2	15.8	16.6	16.4	16.4	16.3	16.3	16.5	16.8
84.5°	14.4	14.3	14.0	13.6	14.4	14.2	14.1	14.0	14.1	14.3	14.6
85°	12.3	12.2	11.8	11.6	12.2	12.5	12.3	12.2	12.4	12.2	12.4
85.5°	10.3	10.2	9.9	9.6	10.6	10.8	10.5	10.5	10.7	10.6	10.8
86°	8.5	8.4	8.1	7.8	8.9	9.1	8.7	8.7	9.0	9.0	9.1
86.5°	6.8	6.7	6.5	6.3	7.3	7.4	6.9	6.9	7.3	7.3	7.5
87°	5.3	5.3	5.1	4.9	5.6	5.6	5.2	5.1	5.7	5.7	5.9
87.5°	4.0	4.0	3.9	3.7	4.0	4.0	4.0	3.9	4.0	4.1	4.2
88°	3.2	3.2	3.1	3.0	3.0	2.9	3.0	3.0	3.0	3.1	3.2
88.5°	2.4	2.4	2.3	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.3

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

Scaled Data Report



TEST NUMBER: P997167
CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997167

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	405.5	405.5	405.5	405.5	405.5	405.5
0.5°	405.3	404.9	405.2	405.5	405.7	406.3
1°	405.4	405.0	405.4	405.5	405.7	405.9
1.5°	405.3	404.9	405.0	405.6	405.6	406.0
2°	405.1	404.8	405.0	404.9	405.7	405.8
2.5°	405.0	404.5	404.7	405.3	405.4	405.6
3°	405.0	404.6	404.8	404.6	405.3	405.7
3.5°	404.5	403.9	404.3	404.7	404.8	405.5
4°	404.3	404.0	404.3	404.4	404.8	404.8
4.5°	403.7	403.3	403.6	404.1	404.4	404.6
5°	403.7	403.4	403.6	403.6	404.3	404.3
5.5°	403.1	402.9	402.7	403.5	403.5	404.1
6°	402.7	402.2	402.8	402.7	403.4	403.6
6.5°	402.3	402.0	402.2	402.6	402.8	403.2
7°	401.9	401.4	401.6	402.0	402.3	402.4
7.5°	401.1	400.7	401.1	401.4	401.7	402.3
8°	400.9	400.3	400.8	400.7	401.3	401.4
8.5°	400.1	399.7	399.7	400.6	400.3	401.1
9°	399.5	399.0	399.4	399.4	400.4	400.0
9.5°	398.6	398.2	398.4	399.0	399.1	399.7
10°	398.2	397.5	398.1	398.1	398.6	398.7
10.5°	397.3	396.5	396.8	397.6	397.8	398.2
11°	396.3	396.2	396.4	396.4	396.8	397.2
11.5°	395.7	394.8	395.4	395.8	396.3	396.7
12°	394.8	394.1	394.6	394.7	395.1	395.6
12.5°	393.9	393.2	393.4	394.2	394.5	394.5
13°	392.9	392.4	392.8	393.2	393.5	393.8
13.5°	392.0	391.3	391.6	392.1	392.5	392.9
14°	390.9	390.4	390.7	391.2	391.6	391.6
14.5°	389.9	389.2	389.4	390.0	390.3	391.0
15°	389.0	388.2	388.5	388.8	389.4	389.4
15.5°	387.6	387.1	387.3	387.9	388.3	388.4
16°	386.4	385.7	386.2	386.4	387.3	387.4
16.5°	385.1	384.8	384.9	385.8	385.8	386.3
17°	384.1	383.4	383.9	384.1	384.8	384.9
17.5°	382.8	382.1	382.4	383.0	383.4	383.7
18°	381.2	380.7	381.4	381.9	382.0	382.2
18.5°	380.3	379.6	380.0	380.4	381.0	381.2
19°	378.6	378.4	378.6	378.8	379.6	379.5
19.5°	377.4	376.7	377.1	377.8	378.3	378.3
20°	375.9	375.4	376.0	376.2	376.7	376.9
20.5°	374.2	373.8	374.0	375.0	375.3	375.5
21°	373.0	372.4	373.0	373.1	373.7	374.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997167

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	368.3	367.4	367.9	368.9	369.0	369.4
23°	366.5	366.1	366.8	366.9	367.7	367.7
23.5°	365.1	364.4	364.8	365.6	365.9	366.0
24°	363.3	362.7	363.1	363.8	364.3	364.4
24.5°	361.6	360.8	361.4	362.2	362.4	362.6
25°	359.9	359.3	359.6	360.2	360.8	360.7
25.5°	357.9	357.2	357.8	358.6	358.9	359.2
26°	356.2	355.6	356.2	356.5	357.2	357.1
26.5°	354.3	353.5	354.1	355.0	355.3	355.6
27°	352.5	351.8	352.3	352.9	353.5	353.4
27.5°	350.5	349.7	350.5	351.1	351.5	351.7
28°	348.5	347.9	348.4	349.0	349.5	349.5
28.5°	346.6	346.0	346.4	347.2	347.6	347.7
29°	344.8	344.0	344.6	345.1	345.9	345.8
29.5°	342.5	342.1	342.5	343.3	343.6	343.8
30°	340.6	340.0	340.5	340.9	341.9	341.6
30.5°	338.3	337.8	338.3	339.3	339.2	339.8
31°	336.6	335.9	336.4	336.8	337.9	337.4
31.5°	334.0	333.7	334.1	335.1	335.1	335.6
32°	332.4	331.2	332.1	332.7	333.1	333.1
32.5°	329.7	329.3	329.8	330.5	330.9	331.1
33°	327.9	327.1	327.6	328.3	328.9	328.9
33.5°	325.1	324.6	325.5	326.1	326.7	326.7
34°	323.5	322.7	323.2	323.8	324.4	324.3
34.5°	320.7	320.1	320.7	321.4	322.2	322.2
35°	318.7	317.9	318.6	319.2	319.8	319.5
35.5°	316.2	315.5	316.2	317.0	317.5	317.6
36°	314.1	313.3	313.7	314.4	315.1	314.9
36.5°	311.6	310.7	311.5	312.3	312.6	312.8
37°	309.2	308.3	309.1	309.7	310.3	310.2
37.5°	306.7	305.9	306.5	307.4	307.7	307.8
38°	304.3	303.6	304.2	304.7	305.5	305.3
38.5°	301.7	301.0	301.6	302.4	302.9	302.9
39°	299.4	298.3	299.2	299.8	300.6	300.1
39.5°	296.6	295.9	296.7	297.2	297.9	298.1
40°	294.3	293.3	294.0	294.8	295.4	295.1
40.5°	291.5	290.8	291.4	292.3	292.6	292.7
41°	289.2	288.2	288.9	289.5	290.2	290.1
41.5°	286.4	285.6	286.2	286.9	287.4	287.5
42°	283.8	282.9	283.6	284.3	284.9	284.8
42.5°	280.9	280.2	281.0	281.6	282.0	282.3
43°	278.6	277.7	278.4	278.9	279.6	279.3
43.5°	275.6	274.8	275.5	276.3	276.8	276.9

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997167

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	267.5	266.6	267.3	268.0	268.5	268.4
45.5°	264.6	263.8	264.5	265.0	265.6	265.8
46°	261.8	261.1	261.6	262.4	263.0	262.9
46.5°	258.9	258.0	258.8	259.3	260.1	260.0
47°	256.3	255.3	255.9	256.7	257.1	257.1
47.5°	253.2	252.5	253.2	253.8	254.3	254.4
48°	250.5	249.4	250.3	250.9	251.4	251.4
48.5°	247.3	246.5	247.2	248.0	248.5	248.5
49°	244.6	243.7	244.4	245.0	245.6	245.6
49.5°	241.4	240.8	241.4	242.0	242.5	242.5
50°	238.9	237.6	238.5	239.0	239.7	239.5
50.5°	235.6	234.8	235.4	235.9	236.5	236.6
51°	232.5	231.6	232.3	233.1	233.5	233.5
51.5°	229.6	228.6	229.5	229.9	230.5	230.6
52°	226.6	225.6	226.3	227.0	227.5	227.5
52.5°	223.6	222.6	223.2	223.8	224.5	224.5
53°	220.3	219.3	220.3	220.8	221.2	221.2
53.5°	217.3	216.3	217.0	217.6	218.3	218.2
54°	214.1	213.2	213.8	214.6	214.9	215.0
54.5°	211.0	210.0	210.8	211.4	212.0	211.8
55°	208.0	206.8	207.5	208.3	208.7	208.6
55.5°	204.8	203.9	204.5	204.9	205.4	205.6
56°	201.5	200.5	201.1	201.8	202.4	202.2
56.5°	198.4	197.3	198.1	198.5	199.1	199.1
57°	195.2	194.1	194.8	195.4	196.0	195.8
57.5°	191.9	190.9	191.4	192.1	192.5	192.5
58°	188.7	187.4	188.1	188.9	189.5	189.4
58.5°	185.4	184.4	185.0	185.6	186.0	186.0
59°	182.2	181.0	181.6	182.3	182.7	182.7
59.5°	178.7	177.7	178.4	178.9	179.5	179.4
60°	175.5	174.4	175.0	175.7	176.2	176.1
60.5°	172.2	171.2	171.7	172.2	172.8	172.7
61°	168.8	167.6	168.3	168.9	169.2	169.4
61.5°	165.4	164.3	165.1	165.6	166.1	166.0
62°	162.2	160.9	161.6	162.2	162.6	162.7
62.5°	158.7	157.7	158.3	158.7	159.2	159.2
63°	155.4	154.2	154.8	155.5	155.9	155.7
63.5°	151.9	150.8	151.5	151.8	152.4	152.4
64°	148.5	147.3	147.9	148.5	148.9	148.9
64.5°	145.0	143.9	144.6	145.0	145.5	145.4
65°	141.8	140.5	141.0	141.5	142.1	142.0
65.5°	138.2	137.1	137.7	138.1	138.6	138.5
66°	134.8	133.6	134.2	134.5	135.0	135.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997167

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	124.4	123.1	123.8	124.2	124.6	124.6
68°	120.8	119.7	120.2	120.6	121.0	121.0
68.5°	117.3	116.1	116.7	117.1	117.6	117.5
69°	113.9	112.5	113.2	113.5	113.9	114.0
69.5°	110.4	109.2	109.6	110.1	110.5	110.4
70°	106.9	105.6	106.1	106.6	106.8	106.9
70.5°	103.4	102.1	102.7	103.0	103.4	103.4
71°	100.0	98.7	99.1	99.4	99.8	99.9
71.5°	96.4	95.0	95.7	95.9	96.4	96.3
72°	93.0	91.6	92.1	92.5	92.7	92.8
72.5°	89.5	88.1	88.6	88.9	89.4	89.3
73°	86.1	84.6	85.0	85.5	85.7	85.8
73.5°	82.6	81.0	81.6	81.9	82.3	82.2
74°	79.1	77.6	78.1	78.5	78.7	78.8
74.5°	75.7	74.2	74.6	75.0	75.4	75.2
75°	72.2	70.7	71.2	71.5	71.9	71.8
75.5°	68.7	67.3	67.8	68.1	68.4	68.4
76°	65.3	63.9	64.3	64.6	65.0	64.9
76.5°	61.8	60.5	61.0	61.3	61.6	61.5
77°	58.5	57.2	57.5	57.9	58.2	58.1
77.5°	55.2	53.9	54.3	54.5	54.9	54.9
78°	52.0	50.7	51.0	51.3	51.6	51.5
78.5°	48.7	47.4	47.9	48.0	48.3	48.2
79°	45.5	44.2	44.6	44.8	45.1	45.1
79.5°	42.3	41.0	41.4	41.6	42.0	41.8
80°	39.2	38.0	38.3	38.5	38.8	38.7
80.5°	36.2	35.1	35.4	35.6	35.9	35.8
81°	33.2	32.3	32.6	32.7	33.0	33.0
81.5°	30.2	29.4	29.7	29.9	30.2	30.1
82°	27.4	26.6	26.8	27.0	27.3	27.2
82.5°	24.6	23.7	24.0	24.1	24.4	24.3
83°	22.0	21.1	21.3	21.5	21.7	21.7
83.5°	19.5	18.5	18.8	18.9	19.2	19.1
84°	17.0	16.2	16.4	16.5	16.8	16.8
84.5°	14.8	14.0	14.2	14.2	14.5	14.4
85°	12.6	11.8	12.0	12.1	12.3	12.3
85.5°	10.9	9.9	10.0	10.1	10.3	10.3
86°	9.3	8.1	8.2	8.3	8.5	8.5
86.5°	7.6	6.5	6.6	6.7	6.8	6.8
87°	6.0	5.0	5.1	5.3	5.4	5.3
87.5°	4.3	3.8	3.9	4.0	4.1	4.0
88°	3.2	3.1	3.1	3.2	3.3	3.2
88.5°	2.3	2.3	2.4	2.4	2.4	2.4

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Scaled Data Report



TEST NUMBER: P997167
CATALOG NUMBER: SMX4SLSFSD2W-1000LM-3000K

CANDELA DISTRIBUTION (continued):

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

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	372.5	372.0	371.1	370.6	370.6	370.3	370.4	370.2	370.6	371.0	371.3
22°	370.8	370.5	369.8	369.0	369.5	368.9	368.9	368.7	369.1	369.5	369.7



44°	273.7	273.7	272.6	271.7	272.2	271.7	271.2	271.3	271.4	271.9	272.2
44.5°	271.2	270.6	269.8	268.8	269.3	268.7	268.6	268.3	268.6	269.1	269.7



66.5°	131.5	131.2	130.3	129.4	130.5	130.0	129.7	129.6	129.7	130.1	130.7
67°	128.0	127.6	126.8	126.0	127.0	126.5	126.3	126.2	126.2	126.7	127.2



89°	1.6	1.6	1.5	1.5	1.5	1.4	1.5	1.5	1.6	1.6	1.6
89.5°	0.8	0.8	0.8	0.8	1.0	0.9	1.0	1.0	1.1	1.1	1.1

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21.5°	371.4	370.5	371.1	371.8	372.2	372.5
22°	369.8	369.4	369.9	370.1	370.8	370.8

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44°	273.2	271.9	272.7	273.4	274.1	273.7
44.5°	270.1	269.3	270.0	270.7	271.3	271.2

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66.5°	131.3	130.1	130.8	131.1	131.6	131.5
67°	127.8	126.5	127.1	127.6	128.0	128.0

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89°	1.6	1.6	1.6	1.6	1.6	1.6
89.5°	1.0	0.8	0.8	0.8	0.8	0.8

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(END OF REPORT)