

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: P997170

Luminaire Tested: **SMX4SLSFSD2W-1000LM-5000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997170
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-5000K
Description: 4IN SQAURE, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

Summary

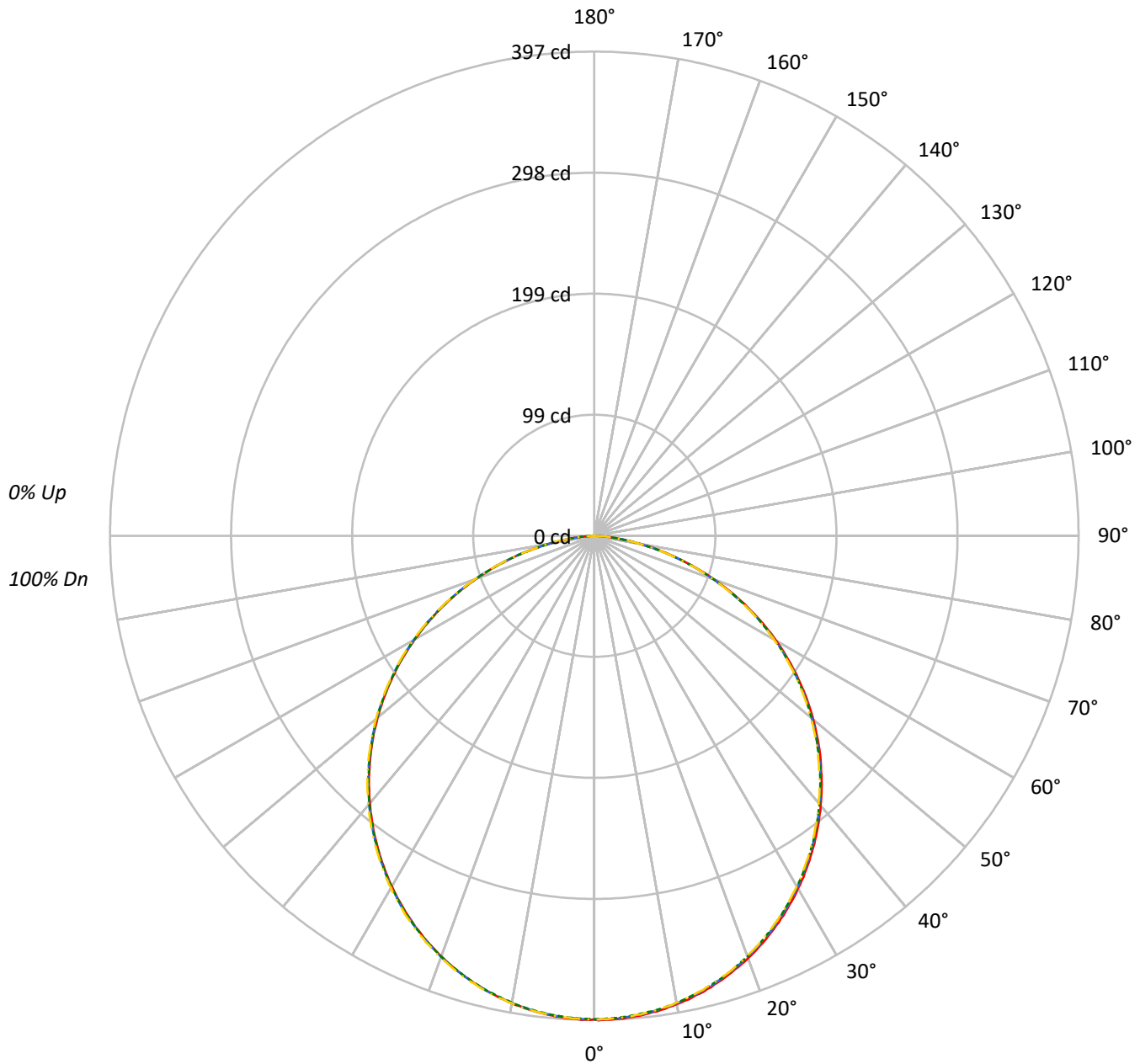
Lumens per Lamp: N/A
Luminaire Lumens: 1109.2 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39201	39201	39201	39201
5°	39231	39152	39192	39142
10°	39133	39023	39063	39013
15°	38977	38854	38865	38844
20°	38771	38624	38603	38624
25°	38476	38302	38269	38313
30°	38120	37938	37881	37949
35°	37708	37514	37442	37514
40°	37238	37031	36928	37006
45°	36693	36456	36358	36442
50°	36029	35767	35644	35736
55°	35155	34913	34775	34862
60°	34041	33764	33646	33705
65°	32486	32229	32065	32135
70°	30229	29998	29795	29824
75°	26809	26656	26465	26427
80°	21516	21459	21232	21118
85°	13722	13496	13722	13155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	3.4
10°-20°	107.2	9.7
20°-30°	162.0	14.6
30°-40°	194.7	17.6
40°-50°	201.3	18.1
50°-60°	181.0	16.3
60°-70°	136.1	12.3
70°-80°	73.7	6.6
80°-90°	15.6	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°	306.7	27.7
0°-40°	501.4	45.2
0°-60°	883.7	79.7
0°-90°	1109.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1109.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	397	397	397	397	397	
5°	395	395	395	394	395	38
15°	381	380	380	380	381	108
25°	353	351	351	351	353	163
35°	312	311	310	311	312	196
45°	262	261	260	261	262	202
55°	204	203	202	202	204	182
65°	139	138	137	137	139	137
75°	70	70	69	69	70	74
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°	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6
0.5°	397.4	396.9	396.7	396.4	396.1	396.3	396.7	396.7	396.9	397.0	396.8
1°	397.0	397.1	396.4	396.5	396.3	396.2	396.4	396.8	396.8	397.0	396.4
1.5°	397.0	396.6	396.7	396.3	396.1	396.1	396.6	396.4	397.1	396.6	396.4
2°	396.9	396.9	396.3	396.3	395.6	396.1	396.2	396.3	396.6	396.7	396.3
2.5°	396.7	396.4	396.1	395.5	395.8	395.7	396.1	396.0	396.7	396.5	395.8
3°	396.7	396.4	396.0	396.0	395.6	395.7	395.7	395.9	396.1	396.4	395.8
3.5°	396.6	396.4	395.6	395.5	395.3	395.3	395.6	395.7	396.2	396.1	395.6
4°	395.9	396.0	395.5	395.1	395.2	395.1	395.1	395.2	395.5	395.6	395.3
4.5°	395.7	395.6	395.2	394.8	394.5	394.8	395.1	395.0	395.5	395.4	395.0
5°	395.4	395.2	394.8	394.5	394.6	394.6	394.3	394.7	395.0	395.0	394.6
5.5°	395.2	395.0	394.4	394.2	393.8	393.9	394.4	393.9	394.5	394.7	394.1
6°	394.7	394.7	394.1	393.9	393.4	393.6	393.6	393.9	394.1	394.3	393.9
6.5°	394.3	393.9	393.4	393.2	392.9	393.0	393.5	393.1	393.8	393.8	393.3
7°	393.5	393.5	393.0	392.6	392.8	392.6	392.5	392.9	393.1	393.2	393.0
7.5°	393.5	393.1	392.4	392.0	392.1	391.8	392.3	392.2	392.6	392.5	392.4
8°	392.6	392.5	392.2	391.7	391.4	391.7	391.7	391.6	391.9	392.2	391.7
8.5°	392.3	391.8	391.1	390.7	391.0	390.4	390.8	390.9	391.4	391.2	391.2
9°	391.2	391.2	390.7	390.5	390.1	390.3	390.2	390.3	390.5	391.1	390.3
9.5°	390.9	390.6	389.9	389.4	389.7	389.4	389.7	389.4	390.1	389.9	389.8
10°	389.9	389.9	389.3	388.8	388.8	388.6	388.5	388.7	389.2	389.3	389.0
10.5°	389.4	388.9	388.5	387.9	388.0	387.8	388.3	387.8	388.5	388.7	388.5
11°	388.5	388.4	387.7	387.4	387.2	387.3	386.7	387.3	387.5	387.6	387.3
11.5°	387.9	387.4	386.9	386.5	386.4	386.2	386.5	386.3	386.9	387.0	386.8
12°	386.9	386.5	385.7	385.5	385.5	385.5	385.4	385.4	385.8	385.8	385.6
12.5°	385.8	385.7	385.2	384.7	384.5	384.5	384.5	384.5	385.0	385.0	384.9
13°	385.1	384.7	384.3	383.6	383.8	383.6	383.6	383.5	383.9	384.0	384.0
13.5°	384.3	383.7	383.2	382.6	382.8	382.5	382.8	382.5	383.1	383.3	383.1
14°	382.9	382.8	382.2	381.9	381.8	381.7	381.3	381.5	381.9	382.1	381.9
14.5°	382.4	381.6	381.4	380.4	380.7	380.4	380.8	380.4	380.8	380.9	380.8
15°	380.9	380.9	380.2	379.7	379.7	379.6	379.3	379.4	379.8	380.1	380.1
15.5°	379.8	379.4	379.0	378.3	378.3	378.3	378.5	378.4	378.6	378.7	378.7
16°	378.9	378.8	377.9	377.5	377.6	377.4	377.0	377.0	377.3	377.8	377.6
16.5°	377.7	377.2	376.6	376.0	376.0	375.9	376.0	375.9	376.4	376.6	376.4
17°	376.4	376.2	375.5	375.1	375.2	374.9	375.0	374.7	375.0	375.2	375.2
17.5°	375.2	375.0	374.3	373.4	373.8	373.4	373.6	373.1	373.8	374.0	374.0
18°	373.7	373.7	373.1	372.6	372.5	372.2	372.2	372.2	372.5	372.7	372.7
18.5°	372.8	372.2	371.5	370.8	371.1	370.9	371.1	370.6	371.1	371.5	371.3
19°	371.2	371.2	370.3	369.8	369.7	369.6	369.3	369.7	369.9	370.2	370.1
19.5°	370.0	369.4	368.9	368.2	368.5	368.3	368.4	367.9	368.3	368.5	368.8
20°	368.6	368.4	367.5	367.2	367.2	366.8	366.8	366.7	367.0	367.3	367.4
20.5°	367.3	366.8	366.0	365.4	365.3	365.3	365.1	365.0	365.6	365.9	365.9
21°	365.8	365.4	364.6	363.9	364.1	363.9	363.8	363.6	364.0	364.3	364.4

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CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	361.3	360.6	360.0	359.4	359.3	359.3	359.0	358.9	359.4	359.6	359.7
23°	359.6	359.1	358.6	357.7	358.0	357.7	357.3	357.4	357.8	358.1	358.4
23.5°	357.9	357.5	356.8	356.1	356.1	355.8	355.9	355.8	356.1	356.4	356.5
24°	356.3	355.9	355.2	354.6	354.7	354.3	354.1	353.9	354.3	354.7	355.0
24.5°	354.6	354.3	353.6	352.5	352.9	352.3	352.5	352.5	352.9	353.0	353.3
25°	352.8	352.4	351.8	351.3	351.2	350.9	350.6	350.6	350.9	351.2	351.5
25.5°	351.3	350.6	350.1	349.0	349.3	348.9	349.2	348.9	349.1	349.6	349.7
26°	349.2	349.0	348.3	347.6	347.9	347.2	347.1	347.2	347.3	347.6	348.1
26.5°	347.7	347.2	346.4	345.5	345.7	345.5	345.5	345.3	345.5	345.8	346.2
27°	345.6	345.4	344.6	343.8	344.0	343.8	343.5	343.3	343.7	344.1	344.2
27.5°	343.9	343.3	342.6	342.1	342.0	341.5	341.8	341.5	341.8	342.1	342.6
28°	341.8	341.6	340.7	339.9	340.2	340.1	339.5	339.4	339.9	340.1	340.6
28.5°	340.1	339.6	338.7	338.1	338.3	337.8	337.9	337.7	338.0	338.3	338.6
29°	338.2	337.8	336.9	336.1	336.2	335.9	335.8	335.8	336.0	336.3	336.5
29.5°	336.3	335.6	335.0	334.1	334.3	334.0	333.9	333.7	334.0	334.4	335.0
30°	334.0	333.6	333.0	332.1	332.4	332.1	331.9	331.7	331.9	332.4	332.6
30.5°	332.3	331.6	330.9	330.1	330.3	329.7	330.0	329.4	329.9	330.2	330.6
31°	329.9	329.6	328.9	328.0	328.3	328.0	327.8	327.4	327.9	328.4	328.5
31.5°	328.3	327.4	326.8	325.9	326.1	325.7	325.7	325.6	325.6	326.1	326.5
32°	325.7	325.4	324.6	323.7	324.1	323.5	323.3	323.3	323.7	324.3	324.4
32.5°	323.8	323.3	322.5	321.7	321.8	321.5	321.5	321.3	321.4	321.8	322.2
33°	321.6	320.9	320.4	319.4	319.9	319.3	319.1	318.9	319.3	319.7	320.1
33.5°	319.5	319.0	318.1	317.2	317.6	317.1	317.0	316.9	317.1	317.5	317.8
34°	317.1	316.7	315.8	314.9	315.4	314.8	314.8	314.6	314.8	315.1	315.6
34.5°	315.1	314.4	313.8	312.7	312.9	312.7	312.4	312.3	312.6	313.1	313.4
35°	312.5	312.4	311.3	310.6	310.9	310.4	310.3	310.2	310.3	310.8	311.0
35.5°	310.6	309.9	309.2	308.1	308.6	307.9	308.0	307.7	307.9	308.2	309.0
36°	308.0	307.7	306.8	306.0	306.4	306.0	305.6	305.5	305.8	306.3	306.4
36.5°	305.9	305.2	304.4	303.4	303.8	303.3	303.4	303.0	303.4	303.7	304.3
37°	303.3	303.0	302.1	301.2	301.7	301.1	300.9	300.7	301.1	301.6	301.8
37.5°	301.0	300.4	299.7	298.8	299.0	298.6	298.5	298.3	298.5	298.9	299.4
38°	298.6	298.3	297.2	296.4	297.0	296.4	296.3	295.9	296.2	296.7	297.1
38.5°	296.2	295.7	294.8	293.9	294.3	293.8	293.5	293.5	293.6	294.1	294.5
39°	293.5	293.4	292.3	291.6	292.0	291.4	291.2	291.2	291.3	291.8	292.3
39.5°	291.5	290.7	290.0	289.0	289.4	288.8	288.8	288.5	288.8	289.2	289.6
40°	288.6	288.4	287.2	286.5	287.0	286.4	286.0	286.0	286.2	286.7	287.2
40.5°	286.2	285.6	284.9	284.0	284.2	283.8	283.6	283.4	283.8	284.2	284.7
41°	283.7	283.3	282.2	281.5	282.0	281.3	281.2	281.0	281.2	281.6	282.1
41.5°	281.2	280.5	279.7	278.6	279.1	278.6	278.4	278.4	278.6	279.0	279.6
42°	278.5	278.3	277.1	276.3	276.8	276.2	276.1	275.8	276.0	276.4	277.0
42.5°	276.0	275.4	274.4	273.5	274.1	273.4	273.2	273.1	273.5	273.8	274.2
43°	273.1	272.8	272.0	271.1	271.5	271.0	270.8	270.6	270.9	271.3	271.9
43.5°	270.8	270.2	269.1	268.2	268.8	268.3	268.0	267.8	268.0	268.6	269.1

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CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	262.5	262.2	261.0	260.1	260.8	260.2	259.8	259.8	260.1	260.5	260.9
45.5°	259.9	259.1	258.3	257.4	258.0	257.3	257.1	257.2	257.1	257.8	258.3
46°	257.1	256.8	255.6	254.8	255.4	254.6	254.5	254.3	254.7	254.9	255.5
46.5°	254.3	253.7	252.8	251.8	252.4	251.9	251.6	251.5	251.7	252.3	252.7
47°	251.5	251.1	249.9	249.2	249.8	249.0	248.9	248.8	249.0	249.3	250.0
47.5°	248.8	248.1	247.4	246.2	247.0	246.2	245.9	245.9	246.1	246.6	247.0
48°	245.8	245.3	244.3	243.5	244.1	243.5	243.3	243.0	243.4	243.8	244.3
48.5°	243.0	242.5	241.6	240.6	241.2	240.5	240.3	240.3	240.4	240.8	241.3
49°	240.2	239.7	238.8	237.8	238.6	237.8	237.6	237.3	237.5	238.1	238.6
49.5°	237.2	236.7	235.7	234.9	235.3	234.8	234.7	234.6	234.6	235.0	235.6
50°	234.3	233.7	232.9	231.9	232.6	232.1	231.8	231.5	231.8	232.2	232.7
50.5°	231.4	231.0	229.9	228.9	229.5	228.9	228.7	228.7	228.8	229.3	229.9
51°	228.3	227.9	227.1	226.1	226.8	226.0	225.9	225.7	226.1	226.2	226.8
51.5°	225.5	224.9	223.9	222.9	223.6	223.2	222.8	222.9	222.9	223.4	224.0
52°	222.5	222.0	221.3	220.2	221.0	220.2	219.9	219.8	220.1	220.4	221.0
52.5°	219.5	218.9	218.0	217.0	217.6	217.2	216.7	216.9	216.9	217.5	218.0
53°	216.4	215.9	215.0	214.1	214.8	214.2	214.0	213.8	213.9	214.4	215.0
53.5°	213.3	212.9	211.9	210.8	211.7	211.1	210.7	210.8	210.8	211.3	211.9
54°	210.2	209.8	209.0	208.0	208.7	208.1	208.0	207.8	207.9	208.3	208.9
54.5°	207.2	206.7	205.7	204.6	205.5	204.9	204.7	204.6	204.7	205.1	205.8
55°	204.0	203.6	202.8	202.0	202.6	201.9	201.7	201.6	201.8	202.3	202.7
55.5°	201.1	200.5	199.6	198.5	199.3	198.8	198.7	198.4	198.5	199.2	199.6
56°	197.8	197.5	196.5	195.7	196.4	195.7	195.4	195.5	195.7	195.8	196.4
56.5°	194.7	194.2	193.3	192.3	193.1	192.7	192.3	192.2	192.3	192.9	193.5
57°	191.5	191.1	190.1	189.3	190.1	189.4	189.2	189.1	189.1	189.6	190.3
57.5°	188.3	187.9	187.0	186.0	186.9	186.3	185.9	185.9	186.1	186.6	187.1
58°	185.2	184.8	183.8	183.0	183.7	183.1	182.9	182.7	182.9	183.2	183.9
58.5°	181.9	181.4	180.6	179.7	180.4	179.9	179.7	179.6	179.7	180.1	180.8
59°	178.7	178.3	177.4	176.5	177.4	176.7	176.5	176.4	176.6	177.0	177.5
59.5°	175.4	175.0	174.1	173.2	174.0	173.5	173.2	173.1	173.0	173.8	174.4
60°	172.2	171.7	170.9	170.0	170.8	170.1	170.1	169.8	170.2	170.4	170.9
60.5°	168.8	168.5	167.6	166.7	167.6	167.0	166.8	166.7	166.7	167.3	167.8
61°	165.7	165.2	164.3	163.4	164.3	163.7	163.6	163.4	163.5	163.9	164.5
61.5°	162.3	162.0	161.0	160.1	160.9	160.6	160.3	160.1	160.3	160.8	161.3
62°	159.1	158.5	157.8	156.9	157.8	157.2	157.0	157.0	157.1	157.3	157.8
62.5°	155.7	155.2	154.4	153.5	154.4	153.9	153.6	153.5	153.6	154.2	154.8
63°	152.3	151.9	151.0	150.2	151.1	150.5	150.4	150.3	150.4	150.8	151.3
63.5°	149.0	148.6	147.7	146.8	147.7	147.3	147.0	146.7	146.9	147.4	148.0
64°	145.6	145.1	144.3	143.5	144.5	143.9	143.8	143.7	143.8	144.1	144.6
64.5°	142.2	141.9	140.9	140.1	141.1	140.5	140.3	140.1	140.3	140.8	141.4
65°	138.9	138.4	137.6	136.8	137.8	137.3	137.0	137.0	137.1	137.4	137.9
65.5°	135.5	135.1	134.2	133.5	134.4	133.9	133.6	133.5	133.6	134.1	134.7
66°	132.0	131.5	130.7	130.0	131.0	130.5	130.3	130.2	130.3	130.6	131.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997170

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	121.8	121.4	120.5	119.8	120.8	120.4	120.1	120.0	120.1	120.5	121.1
68°	118.4	118.0	117.1	116.5	117.4	116.9	116.8	116.6	116.8	117.1	117.6
68.5°	114.9	114.5	113.8	112.9	114.0	113.5	113.3	113.2	113.2	113.7	114.3
69°	111.4	111.1	110.2	109.6	110.5	110.1	110.0	109.9	109.9	110.2	110.8
69.5°	107.9	107.6	106.8	106.1	107.2	106.7	106.6	106.3	106.5	107.0	107.4
70°	104.6	104.1	103.3	102.8	103.8	103.3	103.1	103.0	103.1	103.3	103.9
70.5°	101.1	100.8	100.0	99.2	100.3	99.8	99.6	99.5	99.7	100.1	100.6
71°	97.7	97.3	96.6	95.8	97.0	96.4	96.4	96.3	96.2	96.6	97.2
71.5°	94.2	93.9	93.1	92.3	93.6	93.0	92.9	92.7	92.8	93.3	93.8
72°	90.7	90.4	89.7	89.1	90.2	89.7	89.7	89.6	89.5	89.9	90.4
72.5°	87.3	87.0	86.2	85.5	86.7	86.3	86.3	86.2	86.2	86.5	86.9
73°	83.9	83.5	82.8	82.2	83.3	82.9	82.9	82.8	82.8	83.1	83.5
73.5°	80.4	80.1	79.4	78.7	79.9	79.6	79.5	79.4	79.4	79.7	80.0
74°	77.0	76.7	76.0	75.4	76.4	76.2	76.1	75.9	76.0	76.3	76.6
74.5°	73.6	73.4	72.7	71.9	73.2	72.8	72.7	72.5	72.6	73.0	73.5
75°	70.2	69.9	69.3	68.7	69.8	69.5	69.4	69.1	69.3	69.6	70.0
75.5°	66.9	66.6	65.9	65.2	66.5	66.0	66.0	65.8	65.9	66.3	66.9
76°	63.5	63.2	62.5	61.9	63.1	62.7	62.7	62.5	62.5	62.9	63.4
76.5°	60.2	59.9	59.3	58.6	59.8	59.4	59.4	59.1	59.3	59.6	60.1
77°	56.8	56.5	56.0	55.5	56.6	56.2	56.1	56.0	56.1	56.4	56.7
77.5°	53.7	53.3	52.8	52.1	53.3	53.0	52.9	52.7	52.8	53.2	53.6
78°	50.4	50.1	49.6	49.0	50.2	49.8	49.7	49.6	49.7	49.9	50.4
78.5°	47.2	47.0	46.4	45.8	46.9	46.6	46.5	46.4	46.4	46.8	47.2
79°	44.1	43.7	43.2	42.8	43.8	43.5	43.5	43.4	43.4	43.6	44.1
79.5°	40.9	40.7	40.2	39.6	40.7	40.4	40.3	40.2	40.3	40.7	41.0
80°	37.8	37.6	37.2	36.7	37.7	37.5	37.4	37.3	37.3	37.6	37.9
80.5°	35.0	34.8	34.4	33.9	34.7	34.4	34.4	34.3	34.3	34.6	35.1
81°	32.2	32.0	31.6	31.1	31.9	31.6	31.5	31.4	31.5	31.7	32.1
81.5°	29.4	29.2	28.8	28.4	29.0	28.8	28.7	28.5	28.7	28.9	29.3
82°	26.6	26.4	26.0	25.6	26.3	26.0	26.0	25.9	25.9	26.2	26.5
82.5°	23.8	23.6	23.2	22.8	23.6	23.4	23.3	23.2	23.3	23.5	23.9
83°	21.3	21.0	20.6	20.2	21.0	20.8	20.8	20.7	20.7	20.9	21.2
83.5°	18.7	18.6	18.2	17.8	18.6	18.4	18.3	18.2	18.3	18.6	18.8
84°	16.4	16.2	15.9	15.5	16.3	16.0	16.0	16.0	16.0	16.2	16.5
84.5°	14.1	14.0	13.7	13.3	14.0	13.9	13.8	13.7	13.8	14.0	14.2
85°	12.1	11.9	11.6	11.3	11.9	12.2	12.0	12.0	12.1	11.9	12.1
85.5°	10.1	10.0	9.7	9.4	10.3	10.5	10.3	10.2	10.5	10.3	10.5
86°	8.3	8.2	7.9	7.7	8.7	8.9	8.5	8.5	8.8	8.8	8.9
86.5°	6.6	6.6	6.4	6.1	7.1	7.2	6.8	6.7	7.2	7.2	7.3
87°	5.2	5.1	5.0	4.8	5.5	5.5	5.0	5.0	5.5	5.6	5.7
87.5°	4.0	3.9	3.8	3.6	4.0	3.9	3.9	3.9	3.9	4.0	4.1
88°	3.1	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1
88.5°	2.4	2.3	2.3	2.2	2.1	2.0	2.1	2.1	2.2	2.2	2.3

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

Scaled Data Report



TEST NUMBER: P997170
CATALOG NUMBER: SMX4SLSFSD2W-1000LM-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: P997170

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	396.6	396.6	396.6	396.6	396.6	396.6
0.5°	396.4	396.0	396.2	396.6	396.7	397.4
1°	396.5	396.1	396.5	396.6	396.7	397.0
1.5°	396.3	395.9	396.0	396.6	396.7	397.0
2°	396.2	395.9	396.1	396.0	396.7	396.9
2.5°	396.0	395.6	395.8	396.4	396.4	396.7
3°	396.0	395.7	395.9	395.7	396.4	396.7
3.5°	395.6	395.0	395.4	395.8	395.8	396.6
4°	395.4	395.1	395.4	395.5	395.8	395.9
4.5°	394.8	394.4	394.8	395.2	395.5	395.7
5°	394.8	394.5	394.7	394.7	395.4	395.4
5.5°	394.3	394.0	393.8	394.6	394.6	395.2
6°	393.8	393.4	393.9	393.8	394.5	394.7
6.5°	393.5	393.2	393.3	393.7	393.9	394.3
7°	393.0	392.5	392.8	393.1	393.5	393.5
7.5°	392.2	391.9	392.3	392.6	392.8	393.5
8°	392.0	391.5	392.0	391.9	392.4	392.6
8.5°	391.3	390.9	390.9	391.8	391.5	392.3
9°	390.7	390.2	390.6	390.6	391.5	391.2
9.5°	389.8	389.4	389.6	390.2	390.3	390.9
10°	389.4	388.7	389.4	389.3	389.8	389.9
10.5°	388.5	387.7	388.1	388.9	389.0	389.4
11°	387.5	387.5	387.7	387.6	388.1	388.5
11.5°	387.0	386.1	386.7	387.1	387.6	387.9
12°	386.1	385.5	385.9	386.0	386.4	386.9
12.5°	385.2	384.5	384.8	385.5	385.8	385.8
13°	384.2	383.8	384.2	384.5	384.8	385.1
13.5°	383.3	382.7	382.9	383.4	383.9	384.3
14°	382.3	381.8	382.1	382.6	383.0	382.9
14.5°	381.3	380.6	380.9	381.4	381.7	382.4
15°	380.4	379.6	379.9	380.2	380.9	380.9
15.5°	379.0	378.5	378.8	379.4	379.7	379.8
16°	377.9	377.3	377.7	377.9	378.8	378.9
16.5°	376.6	376.3	376.4	377.3	377.3	377.7
17°	375.6	375.0	375.4	375.7	376.3	376.4
17.5°	374.4	373.7	374.0	374.6	374.9	375.2
18°	372.8	372.4	373.0	373.5	373.6	373.7
18.5°	371.9	371.3	371.6	372.1	372.6	372.8
19°	370.2	370.0	370.3	370.5	371.2	371.2
19.5°	369.1	368.4	368.8	369.4	369.9	370.0
20°	367.6	367.2	367.7	367.9	368.4	368.6
20.5°	366.0	365.6	365.7	366.7	367.0	367.3
21°	364.8	364.2	364.8	364.9	365.4	365.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997170

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	360.2	359.3	359.7	360.8	360.9	361.3
23°	358.4	358.0	358.7	358.8	359.6	359.6
23.5°	357.1	356.4	356.7	357.5	357.8	357.9
24°	355.3	354.7	355.1	355.7	356.2	356.3
24.5°	353.6	352.8	353.4	354.2	354.4	354.6
25°	351.9	351.3	351.7	352.3	352.9	352.8
25.5°	350.0	349.3	350.0	350.7	351.0	351.3
26°	348.3	347.8	348.4	348.7	349.4	349.2
26.5°	346.5	345.7	346.3	347.2	347.4	347.7
27°	344.7	344.1	344.6	345.1	345.7	345.6
27.5°	342.8	342.0	342.7	343.3	343.8	343.9
28°	340.9	340.2	340.7	341.3	341.8	341.8
28.5°	338.9	338.4	338.8	339.5	340.0	340.1
29°	337.2	336.4	337.0	337.5	338.3	338.2
29.5°	335.0	334.5	334.9	335.7	336.0	336.3
30°	333.1	332.5	333.0	333.4	334.4	334.0
30.5°	330.9	330.4	330.9	331.8	331.7	332.3
31°	329.2	328.5	329.0	329.4	330.4	329.9
31.5°	326.6	326.3	326.8	327.7	327.7	328.3
32°	325.1	323.9	324.8	325.4	325.7	325.7
32.5°	322.4	322.1	322.6	323.2	323.7	323.8
33°	320.7	319.8	320.4	321.1	321.6	321.6
33.5°	317.9	317.5	318.3	318.9	319.5	319.5
34°	316.4	315.5	316.1	316.7	317.2	317.1
34.5°	313.6	313.0	313.7	314.3	315.1	315.1
35°	311.6	310.9	311.6	312.1	312.8	312.5
35.5°	309.2	308.6	309.2	310.0	310.5	310.6
36°	307.2	306.4	306.8	307.5	308.2	308.0
36.5°	304.7	303.8	304.6	305.4	305.7	305.9
37°	302.4	301.6	302.3	302.9	303.4	303.3
37.5°	299.9	299.1	299.7	300.7	300.9	301.0
38°	297.6	296.9	297.5	298.0	298.8	298.6
38.5°	295.1	294.4	295.0	295.8	296.2	296.2
39°	292.8	291.7	292.6	293.2	294.0	293.5
39.5°	290.1	289.4	290.1	290.7	291.3	291.5
40°	287.8	286.8	287.6	288.3	288.9	288.6
40.5°	285.1	284.4	285.0	285.8	286.1	286.2
41°	282.8	281.8	282.6	283.1	283.8	283.7
41.5°	280.1	279.3	279.9	280.6	281.1	281.2
42°	277.5	276.7	277.3	278.0	278.6	278.5
42.5°	274.8	274.1	274.8	275.4	275.8	276.0
43°	272.4	271.6	272.3	272.8	273.4	273.1
43.5°	269.6	268.8	269.5	270.2	270.7	270.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997170

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	261.6	260.7	261.4	262.1	262.6	262.5
45.5°	258.8	258.0	258.7	259.2	259.8	259.9
46°	256.0	255.3	255.8	256.6	257.2	257.1
46.5°	253.2	252.3	253.1	253.6	254.3	254.3
47°	250.7	249.7	250.3	251.0	251.5	251.5
47.5°	247.6	247.0	247.6	248.2	248.7	248.8
48°	245.0	243.9	244.7	245.3	245.9	245.8
48.5°	241.9	241.1	241.7	242.6	243.0	243.0
49°	239.2	238.3	239.0	239.6	240.1	240.2
49.5°	236.0	235.5	236.1	236.7	237.1	237.2
50°	233.6	232.4	233.2	233.8	234.4	234.3
50.5°	230.4	229.6	230.2	230.7	231.3	231.4
51°	227.4	226.5	227.2	227.9	228.3	228.3
51.5°	224.6	223.6	224.4	224.8	225.4	225.5
52°	221.6	220.7	221.4	222.0	222.5	222.5
52.5°	218.7	217.7	218.3	218.9	219.5	219.5
53°	215.5	214.5	215.4	215.9	216.4	216.4
53.5°	212.6	211.6	212.2	212.8	213.5	213.3
54°	209.4	208.5	209.1	209.8	210.2	210.2
54.5°	206.4	205.4	206.2	206.7	207.3	207.2
55°	203.4	202.3	203.0	203.7	204.1	204.0
55.5°	200.3	199.4	200.0	200.4	200.9	201.1
56°	197.1	196.1	196.7	197.4	198.0	197.8
56.5°	194.0	193.0	193.7	194.2	194.7	194.7
57°	190.9	189.9	190.5	191.1	191.6	191.5
57.5°	187.7	186.7	187.2	187.8	188.2	188.3
58°	184.5	183.3	184.0	184.7	185.3	185.2
58.5°	181.3	180.3	180.9	181.5	181.9	181.9
59°	178.2	177.0	177.6	178.3	178.7	178.7
59.5°	174.7	173.8	174.5	174.9	175.5	175.4
60°	171.7	170.5	171.2	171.8	172.3	172.2
60.5°	168.4	167.4	168.0	168.4	169.0	168.8
61°	165.1	163.9	164.6	165.2	165.5	165.7
61.5°	161.7	160.7	161.5	161.9	162.4	162.3
62°	158.6	157.3	158.0	158.6	159.0	159.1
62.5°	155.2	154.2	154.8	155.2	155.7	155.7
63°	152.0	150.8	151.3	152.0	152.4	152.3
63.5°	148.5	147.5	148.2	148.5	149.0	149.0
64°	145.3	144.1	144.6	145.2	145.7	145.6
64.5°	141.8	140.7	141.5	141.8	142.3	142.2
65°	138.6	137.4	137.9	138.4	139.0	138.9
65.5°	135.2	134.1	134.6	135.0	135.5	135.5
66°	131.8	130.6	131.2	131.5	132.1	132.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997170

CATALOG NUMBER: SMX4SLSFSD2W-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	121.7	120.4	121.0	121.4	121.9	121.8
68°	118.2	117.0	117.6	118.0	118.3	118.4
68.5°	114.7	113.5	114.1	114.5	115.0	114.9
69°	111.4	110.0	110.7	111.0	111.4	111.4
69.5°	107.9	106.7	107.2	107.7	108.0	107.9
70°	104.5	103.2	103.8	104.2	104.5	104.6
70.5°	101.1	99.8	100.4	100.7	101.2	101.1
71°	97.8	96.5	96.9	97.2	97.6	97.7
71.5°	94.3	92.9	93.6	93.8	94.2	94.2
72°	90.9	89.5	90.0	90.5	90.7	90.7
72.5°	87.5	86.1	86.6	86.9	87.4	87.3
73°	84.2	82.7	83.2	83.6	83.8	83.9
73.5°	80.8	79.3	79.8	80.1	80.5	80.4
74°	77.4	75.9	76.4	76.7	76.9	77.0
74.5°	74.0	72.5	73.0	73.3	73.7	73.6
75°	70.6	69.2	69.6	69.9	70.3	70.2
75.5°	67.2	65.9	66.3	66.6	66.9	66.9
76°	63.9	62.5	62.9	63.2	63.5	63.5
76.5°	60.4	59.2	59.7	59.9	60.2	60.2
77°	57.2	55.9	56.3	56.7	56.9	56.8
77.5°	54.0	52.7	53.1	53.3	53.7	53.7
78°	50.8	49.6	49.9	50.1	50.5	50.4
78.5°	47.6	46.3	46.8	46.9	47.3	47.2
79°	44.5	43.2	43.6	43.8	44.1	44.1
79.5°	41.3	40.1	40.5	40.7	41.0	40.9
80°	38.3	37.1	37.4	37.6	37.9	37.8
80.5°	35.4	34.3	34.6	34.8	35.1	35.0
81°	32.5	31.6	31.8	32.0	32.3	32.2
81.5°	29.5	28.8	29.0	29.2	29.5	29.4
82°	26.8	26.0	26.2	26.4	26.7	26.6
82.5°	24.1	23.2	23.4	23.6	23.9	23.8
83°	21.6	20.6	20.9	21.0	21.2	21.3
83.5°	19.1	18.1	18.4	18.5	18.7	18.7
84°	16.7	15.8	16.1	16.1	16.4	16.4
84.5°	14.4	13.6	13.8	13.9	14.2	14.1
85°	12.3	11.6	11.7	11.8	12.1	12.1
85.5°	10.7	9.7	9.8	9.9	10.1	10.1
86°	9.1	7.9	8.1	8.1	8.3	8.3
86.5°	7.5	6.3	6.4	6.5	6.7	6.6
87°	5.8	4.9	5.0	5.1	5.3	5.2
87.5°	4.2	3.7	3.8	3.9	4.0	4.0
88°	3.1	3.0	3.1	3.1	3.2	3.1
88.5°	2.2	2.3	2.3	2.4	2.4	2.4

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Scaled Data Report



TEST NUMBER: P997170
CATALOG NUMBER: SMX4SLSFSD2W-1000LM-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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	364.3	363.8	362.9	362.4	362.4	362.1	362.3	362.1	362.4	362.8	363.1
22°	362.6	362.4	361.6	360.9	361.4	360.8	360.8	360.6	360.9	361.4	361.5



44°	267.7	267.7	266.6	265.7	266.2	265.7	265.2	265.3	265.4	265.9	266.2
44.5°	265.3	264.7	263.8	262.9	263.4	262.7	262.7	262.4	262.7	263.2	263.8



66.5°	128.6	128.3	127.4	126.6	127.6	127.1	126.8	126.7	126.8	127.2	127.8
67°	125.2	124.8	124.0	123.2	124.2	123.7	123.6	123.4	123.5	123.9	124.4



89°	1.6	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5	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°	363.2	362.3	362.9	363.6	364.0	364.3
22°	361.7	361.3	361.8	361.9	362.7	362.6

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44°	267.2	265.9	266.7	267.4	268.0	267.7
44.5°	264.2	263.4	264.1	264.7	265.3	265.3

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66.5°	128.4	127.2	127.9	128.2	128.7	128.6
67°	125.0	123.7	124.3	124.7	125.2	125.2

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89°	1.6	1.5	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)