

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P938624

Luminaire Tested: SMX4RLSFSD2W-800LM-4000K

Issue Date: 1/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P938624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2405915A001)  
Test Lab:  
Issue Date: 1/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SMX4RLSFSD2W-800LM-4000K  
Description: 4IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
Light Source: SELECTABLE CCT 90CRI / 4000K CCT  
Ballast/Driver: -

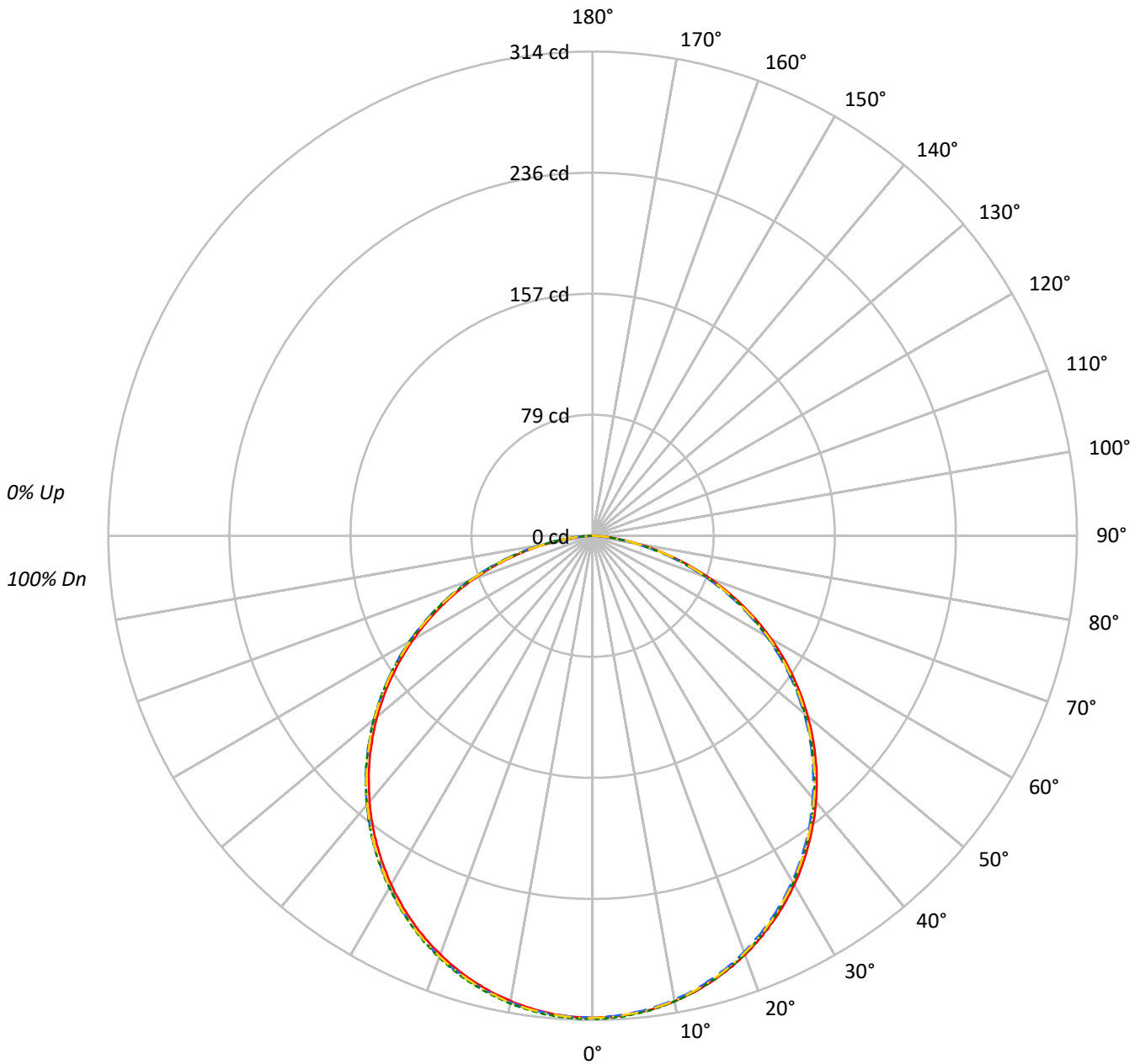
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 870.8 lumens  
Efficiency: N/A  
Efficacy: 99.0 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): 8.8  
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: 24 FT

TEST NUMBER: P938624  
CATALOG NUMBER: SMX4RLSFS2W-800LM-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P938624

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
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	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	31	26	24																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	39353	39353	39353	39353
5°	39289	39339	39276	39428
10°	39168	39181	39130	39360
15°	38970	38891	38956	39204
20°	38718	38624	38678	38959
25°	38395	38200	38339	38672
30°	38001	37783	37957	38306
35°	37517	37256	37517	37886
40°	36981	36668	36981	37408
45°	36397	35987	36361	36842
50°	35672	35183	35672	36221
55°	34799	34228	34799	35457
60°	33627	32973	33703	34433
65°	32072	31297	32280	33084
70°	29805	28885	30136	31056
75°	26355	25382	26987	28056
80°	21162	19858	22250	23409
85°	13284	11696	14728	16461

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 247.5°  
 Vertical Angle: 45°  
 Luminance: 37091 cd/sqm



TEST NUMBER: P938624  
 CATALOG NUMBER: SMX4RLSFSD2W-800LM-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.6	3.4
10°-20°	84.4	9.7
20°-30°	127.3	14.6
30°-40°	152.7	17.5
40°-50°	157.6	18.1
50°-60°	141.7	16.3
60°-70°	106.7	12.2
70°-80°	58.1	6.7
80°-90°	12.7	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°	241.3	27.7
0°-40°	394.0	45.2
0°-60°	693.3	79.6
0°-90°	870.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	313	313	313	313	313	
5°	311	311	311	312	311	30
15°	299	298	299	301	299	84
25°	276	275	276	278	276	127
35°	244	242	244	247	244	153
45°	204	202	204	207	204	158
55°	159	156	159	162	159	142
65°	108	105	108	111	108	106
75°	54	52	56	58	54	57
85°	9	8	10	11	9	12
90°	0	0	0	0	0	



TEST NUMBER: P938624

CATALOG NUMBER: SMX4RLSFSD2W-800LM-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7
0.5°	312.5	312.4	312.5	312.0	313.4	313.2	312.5	312.4	312.4	312.3	312.4
1°	312.3	312.3	312.1	312.1	313.1	312.9	312.6	312.6	312.3	312.7	312.3
1.5°	312.3	312.2	312.2	311.8	313.2	312.9	312.2	312.2	312.4	312.3	312.3
2°	312.3	312.2	311.8	311.8	312.9	312.8	312.3	312.4	312.2	312.2	312.3
2.5°	312.2	312.0	311.8	311.5	312.8	312.4	312.1	312.1	312.1	312.1	312.1
3°	311.9	311.8	311.4	311.3	312.3	312.4	312.0	312.2	312.0	312.0	312.0
3.5°	311.8	311.5	311.3	310.9	312.6	312.3	311.8	311.6	311.8	311.8	311.8
4°	311.6	311.4	310.9	310.8	312.1	311.8	311.3	311.7	311.4	311.8	311.8
4.5°	311.5	310.9	310.7	310.4	311.8	311.8	311.0	311.1	311.5	311.6	311.5
5°	311.0	310.8	310.3	310.1	311.4	311.2	310.9	311.1	310.9	311.3	311.2
5.5°	310.6	310.4	310.0	309.6	311.3	311.1	310.6	310.3	310.6	311.1	311.2
6°	310.3	310.0	309.7	309.4	310.6	310.4	310.1	310.3	310.3	310.4	310.6
6.5°	310.0	309.7	309.1	308.9	310.3	310.2	309.8	309.5	309.9	310.3	310.3
7°	309.7	309.2	308.9	308.3	310.0	309.6	309.2	309.7	309.5	309.7	310.1
7.5°	309.2	308.8	308.3	307.8	309.3	309.4	309.0	308.8	309.0	309.5	309.7
8°	308.6	308.3	307.8	307.4	308.9	308.6	308.3	308.6	308.6	308.7	309.1
8.5°	308.1	307.7	307.2	306.6	308.4	308.3	307.8	307.7	308.0	308.4	308.9
9°	307.8	307.2	306.7	306.2	307.7	307.6	307.3	307.5	307.5	307.8	308.3
9.5°	307.2	306.5	306.2	305.5	307.1	307.1	306.7	306.6	307.0	307.4	307.7
10°	306.5	306.0	305.4	305.1	306.6	306.4	306.2	306.4	306.2	306.8	307.2
10.5°	305.9	305.6	304.8	304.2	306.1	305.7	305.4	305.7	305.7	306.2	306.5
11°	305.2	304.7	304.1	303.9	305.2	305.1	304.8	305.1	304.9	305.7	305.9
11.5°	304.6	304.2	303.6	302.8	304.5	304.2	304.2	304.2	304.4	305.0	305.2
12°	303.9	303.3	302.7	302.1	303.8	303.6	303.3	303.6	303.9	304.2	304.8
12.5°	303.3	302.5	302.0	301.3	303.0	303.0	302.7	302.5	303.2	303.6	303.9
13°	302.5	302.0	301.0	300.5	302.2	302.2	301.8	302.2	302.2	302.8	303.3
13.5°	301.7	301.0	300.3	299.6	301.6	301.1	301.0	301.2	301.6	301.9	302.6
14°	300.8	300.2	299.7	298.8	300.4	300.7	300.1	300.5	300.6	301.2	301.8
14.5°	300.1	299.3	298.4	297.8	299.8	299.4	299.4	299.5	299.9	300.5	301.0
15°	299.1	298.5	297.7	296.9	298.5	298.8	298.4	298.8	299.0	299.5	300.1
15.5°	298.2	297.5	296.7	296.1	298.3	297.7	297.5	297.5	298.1	298.7	299.3
16°	297.3	296.6	295.9	294.9	296.8	296.8	296.6	296.9	297.2	297.8	298.3
16.5°	296.3	295.7	294.7	294.0	296.1	295.7	295.5	295.8	296.3	296.9	297.5
17°	295.5	294.9	294.0	292.9	294.9	294.9	294.6	294.9	295.2	295.8	296.4
17.5°	294.3	293.6	292.7	291.8	294.1	293.7	293.5	293.7	294.3	295.0	295.6
18°	293.6	292.8	291.7	290.9	292.9	292.8	292.5	293.0	293.2	293.7	294.6
18.5°	292.3	291.6	290.8	289.7	291.9	291.6	291.4	291.6	292.3	293.2	293.6
19°	291.4	290.5	289.3	288.5	290.7	290.4	290.4	290.6	291.1	291.9	292.5
19.5°	290.1	289.2	288.4	287.4	289.7	289.5	289.1	289.4	290.0	290.8	291.5
20°	289.1	288.2	287.1	286.3	288.4	288.2	287.9	288.5	288.8	289.7	290.5
20.5°	287.9	286.9	286.0	285.1	287.3	287.1	286.8	287.1	287.7	288.6	289.1
21°	286.9	285.9	284.7	283.9	285.7	285.9	285.6	286.1	286.6	287.3	288.3



TEST NUMBER: P938624

CATALOG NUMBER: SMX4RLSFSD2W-800LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	283.0	282.0	281.0	280.1	282.2	282.1	281.8	282.2	283.0	283.8	284.5
23°	281.8	280.8	279.8	278.7	280.7	280.6	280.5	281.1	281.5	282.3	283.4
23.5°	280.1	279.4	278.2	277.5	279.5	279.5	279.2	279.5	280.4	281.2	282.1
24°	279.3	278.1	276.9	276.0	278.1	278.0	277.7	278.3	279.1	279.8	280.7
24.5°	277.5	276.7	275.4	274.6	276.8	276.5	276.4	276.8	277.7	278.4	279.3
25°	276.5	275.4	274.1	273.1	275.1	275.2	275.1	275.6	276.1	277.0	278.0
25.5°	274.8	273.9	272.7	271.7	273.8	273.7	273.5	273.9	274.8	275.7	276.8
26°	273.8	272.4	271.3	270.2	272.5	272.2	272.2	272.6	273.4	274.4	275.3
26.5°	272.0	270.9	269.7	268.7	270.8	270.8	270.6	271.2	271.9	272.8	273.9
27°	270.8	269.6	268.2	267.3	269.5	269.4	269.3	269.8	270.7	271.5	272.5
27.5°	269.1	267.9	266.8	265.7	267.9	267.8	267.5	268.2	268.9	269.8	271.0
28°	267.7	266.5	265.2	264.1	266.4	266.2	266.1	266.7	267.3	268.5	269.6
28.5°	266.1	264.8	263.5	262.5	264.7	264.6	264.5	265.0	265.8	266.9	268.0
29°	264.7	263.2	262.0	260.9	263.1	263.1	262.9	263.6	264.5	265.3	266.6
29.5°	262.9	261.8	260.3	259.2	261.6	261.4	261.4	261.8	262.7	263.9	264.8
30°	261.5	260.2	258.9	257.7	260.0	259.8	259.6	260.5	261.2	262.2	263.5
30.5°	259.7	258.5	257.0	256.0	258.3	258.3	258.1	258.6	259.5	260.6	261.7
31°	258.2	256.9	255.5	254.5	256.5	256.5	256.2	257.1	258.0	259.1	260.1
31.5°	256.5	255.1	253.8	252.7	255.1	254.8	254.7	255.4	256.0	257.3	258.4
32°	254.8	253.4	252.0	251.0	253.1	253.1	253.0	253.7	254.5	255.8	256.8
32.5°	253.0	251.7	250.2	249.3	251.3	251.3	251.3	251.8	252.8	253.9	255.2
33°	251.3	250.1	248.7	247.4	249.6	249.6	249.6	250.3	251.2	252.2	253.5
33.5°	249.6	248.1	246.8	245.5	247.9	247.8	247.9	248.3	249.3	250.6	251.9
34°	247.9	246.5	244.9	243.7	246.1	246.1	246.1	246.6	247.7	248.7	250.0
34.5°	246.1	244.5	243.3	242.0	244.3	244.3	244.2	244.7	245.7	247.2	248.4
35°	244.2	242.9	241.4	240.1	242.5	242.3	242.3	243.2	244.2	245.2	246.4
35.5°	242.5	241.0	239.6	238.4	240.7	240.5	240.5	241.1	242.0	243.4	244.9
36°	240.5	239.2	237.6	236.4	238.8	238.5	238.7	239.6	240.5	241.7	242.7
36.5°	238.8	237.3	235.9	234.5	237.0	236.8	236.8	237.3	238.5	240.0	241.2
37°	236.8	235.5	233.8	232.7	234.9	234.7	234.9	235.6	236.7	237.7	239.1
37.5°	235.0	233.3	232.0	230.7	233.3	233.0	233.0	233.6	234.6	236.2	237.5
38°	233.0	231.5	229.8	228.8	231.0	231.0	231.1	231.8	233.0	234.1	235.3
38.5°	231.3	229.5	228.1	226.7	229.3	229.0	229.2	229.8	230.8	232.3	233.7
39°	229.2	227.7	226.0	225.0	227.2	227.1	227.2	228.0	229.1	230.3	231.6
39.5°	227.4	225.6	224.1	222.8	225.2	225.1	225.1	225.7	227.0	228.4	229.7
40°	225.1	223.6	222.0	220.8	223.2	223.0	223.1	224.0	225.1	226.4	227.8
40.5°	223.3	221.6	219.9	218.7	221.2	221.1	221.2	221.9	222.9	224.4	225.8
41°	221.2	219.7	218.0	216.7	219.1	219.0	219.3	219.9	220.9	222.4	223.8
41.5°	219.3	217.5	216.0	214.7	217.1	217.0	217.2	217.9	219.0	220.4	221.6
42°	217.2	215.7	213.8	212.7	215.0	214.9	215.0	215.6	216.9	218.3	219.6
42.5°	215.1	213.4	211.8	210.5	212.9	212.8	213.0	213.7	214.8	216.3	217.8
43°	213.0	211.3	209.5	208.4	210.8	210.7	210.9	211.8	212.9	214.1	215.6
43.5°	211.0	209.2	207.8	206.3	208.6	208.6	208.9	209.5	210.8	212.1	213.5



TEST NUMBER: P938624

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	204.5	202.8	201.0	199.8	202.2	202.2	202.5	203.0	204.3	206.0	207.2
45.5°	202.2	200.6	199.0	197.8	199.9	200.0	200.3	201.0	202.3	203.7	205.1
46°	200.3	198.5	196.8	195.5	197.8	197.8	197.9	198.7	200.0	201.5	202.9
46.5°	197.9	196.3	194.5	193.3	195.5	195.5	195.8	196.6	197.8	199.3	200.9
47°	195.8	194.0	192.3	191.0	193.4	193.3	193.5	194.3	195.6	197.3	198.7
47.5°	193.5	191.8	190.1	188.7	191.1	191.1	191.4	192.2	193.6	195.1	196.4
48°	191.3	189.7	187.9	186.5	188.9	188.9	189.1	190.0	191.3	192.6	194.3
48.5°	189.0	187.3	185.6	184.2	186.7	186.7	187.0	187.6	189.1	190.6	192.0
49°	186.8	185.1	183.2	181.8	184.3	184.3	184.6	185.4	186.8	188.3	189.9
49.5°	184.4	182.7	181.1	179.8	182.1	182.1	182.4	183.2	184.5	186.0	187.5
50°	182.2	180.6	178.7	177.2	179.7	179.6	180.0	180.9	182.2	183.7	185.3
50.5°	179.9	178.0	176.4	175.0	177.5	177.5	177.8	178.6	180.0	181.5	183.0
51°	177.5	175.9	174.0	172.7	175.1	175.1	175.4	176.3	177.5	179.2	180.7
51.5°	175.2	173.5	171.7	170.4	172.8	172.8	173.1	174.0	175.4	176.9	178.3
52°	172.8	171.2	169.3	167.8	170.5	170.3	170.8	171.6	172.8	174.6	176.0
52.5°	170.6	168.7	167.0	165.7	168.0	168.2	168.5	169.3	170.7	172.2	173.7
53°	168.2	166.4	164.6	163.2	165.6	165.7	166.1	166.9	168.2	169.8	171.4
53.5°	165.8	163.9	162.2	160.9	163.3	163.4	163.6	164.5	165.9	167.6	169.0
54°	163.4	161.6	159.7	158.4	160.8	160.7	161.3	162.1	163.5	165.1	166.7
54.5°	160.9	159.2	157.3	156.1	158.5	158.5	158.8	159.7	161.2	162.7	164.3
55°	158.6	156.8	155.0	153.6	156.0	156.0	156.5	157.3	158.6	160.3	161.8
55.5°	156.2	154.2	152.4	151.1	153.6	153.6	154.0	154.9	156.2	158.1	159.5
56°	153.6	151.9	150.1	148.7	151.0	151.0	151.6	152.4	153.8	155.4	157.1
56.5°	151.2	149.3	147.5	146.1	148.7	148.7	149.0	150.0	151.5	153.2	154.8
57°	148.8	146.9	145.1	143.7	146.2	146.1	146.7	147.5	149.0	150.6	152.2
57.5°	146.3	144.4	142.5	141.2	143.6	143.8	144.1	145.0	146.6	148.3	149.7
58°	143.7	142.0	140.1	138.7	141.1	141.2	141.7	142.6	143.9	145.7	147.3
58.5°	141.3	139.4	137.4	136.2	138.7	138.7	139.1	140.1	141.5	143.4	144.9
59°	138.8	136.8	135.0	133.6	136.1	136.2	136.6	137.5	139.1	140.7	142.4
59.5°	136.2	134.3	132.5	131.2	133.6	133.6	134.1	135.0	136.5	138.3	139.7
60°	133.6	131.8	129.9	128.6	131.0	131.0	131.6	132.5	133.9	135.7	137.4
60.5°	131.2	129.2	127.4	126.0	128.5	128.5	129.1	130.1	131.5	133.2	134.7
61°	128.5	126.6	124.7	123.4	125.9	126.0	126.5	127.5	128.9	130.7	132.3
61.5°	126.0	124.1	122.2	120.9	123.4	123.5	124.0	125.0	126.3	128.3	129.7
62°	123.5	121.5	119.6	118.3	120.7	120.9	121.4	122.4	123.8	125.6	127.2
62.5°	120.8	118.9	117.0	115.7	118.2	118.2	118.8	119.8	121.3	123.1	124.6
63°	118.3	116.2	114.4	113.1	115.5	115.6	116.1	117.1	118.7	120.4	122.0
63.5°	115.5	113.6	111.8	110.5	112.9	113.0	113.6	114.6	116.1	117.9	119.5
64°	112.9	111.0	109.2	107.9	110.3	110.4	111.0	112.0	113.5	115.3	116.9
64.5°	110.3	108.3	106.5	105.2	107.7	107.9	108.3	109.4	110.9	112.7	114.3
65°	107.7	105.8	104.0	102.6	105.1	105.2	105.8	106.8	108.4	110.1	111.8
65.5°	105.0	103.1	101.3	99.9	102.4	102.5	103.2	104.2	105.7	107.4	109.1
66°	102.4	100.4	98.7	97.3	99.8	99.9	100.4	101.6	103.1	104.8	106.5





TEST NUMBER: P938624  
 CATALOG NUMBER: SMX4RLSFS2W-800LM-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	94.3	92.4	90.6	89.4	91.9	92.0	92.6	93.7	95.2	96.9	98.5
68°	91.7	89.7	88.0	86.7	89.3	89.3	89.9	91.1	92.6	94.3	96.0
68.5°	89.0	87.1	85.3	84.1	86.5	86.7	87.4	88.4	89.9	91.7	93.2
69°	86.4	84.4	82.6	81.4	83.9	84.1	84.7	85.7	87.2	89.0	90.6
69.5°	83.6	81.7	80.0	78.7	81.2	81.3	82.0	83.1	84.5	86.3	87.9
70°	81.0	79.0	77.2	76.0	78.5	78.6	79.3	80.4	81.9	83.6	85.3
70.5°	78.3	76.3	74.6	73.4	75.8	76.0	76.7	77.8	79.3	81.1	82.6
71°	75.6	73.7	71.9	70.8	73.1	73.4	74.1	75.1	76.6	78.4	80.0
71.5°	72.9	70.9	69.3	68.1	70.5	70.8	71.4	72.5	74.0	75.7	77.3
72°	70.2	68.4	66.7	65.5	67.9	68.1	68.7	69.9	71.4	73.1	74.6
72.5°	67.6	65.6	64.0	62.7	65.3	65.5	66.1	67.3	68.7	70.4	72.0
73°	64.8	62.9	61.3	60.2	62.6	62.9	63.5	64.7	66.1	67.8	69.3
73.5°	62.2	60.3	58.7	57.5	60.0	60.3	60.9	62.0	63.4	65.2	66.7
74°	59.4	57.7	56.0	54.9	57.4	57.7	58.2	59.4	60.8	62.6	64.1
74.5°	56.9	55.1	53.4	52.4	54.8	55.0	55.6	56.8	58.2	60.0	61.5
75°	54.2	52.5	50.9	49.8	52.2	52.5	53.1	54.2	55.5	57.4	58.9
75.5°	51.6	49.8	48.3	47.2	49.6	49.9	50.5	51.6	53.0	54.8	56.2
76°	49.0	47.3	45.6	44.6	47.0	47.2	47.9	49.0	50.4	52.1	53.6
76.5°	46.4	44.7	43.1	42.0	44.4	44.7	45.3	46.4	47.8	49.6	51.0
77°	43.9	42.2	40.6	39.6	41.9	42.2	42.9	43.9	45.3	47.0	48.4
77.5°	41.4	39.7	38.2	37.1	39.4	39.7	40.4	41.4	42.8	44.4	46.0
78°	38.9	37.2	35.7	34.7	37.0	37.2	37.9	38.9	40.3	41.9	43.4
78.5°	36.4	34.7	33.3	32.3	34.4	34.7	35.3	36.5	37.9	39.4	40.8
79°	33.9	32.4	30.9	29.9	32.1	32.4	33.0	34.1	35.4	37.0	38.3
79.5°	31.5	30.0	28.5	27.6	29.8	30.0	30.7	31.7	33.0	34.5	35.9
80°	29.2	27.6	26.1	25.4	27.4	27.6	28.3	29.4	30.7	32.1	33.5
80.5°	26.9	25.4	24.0	23.3	25.1	25.4	26.0	27.1	28.3	29.8	31.2
81°	24.8	23.4	21.9	21.2	22.9	23.2	23.8	24.8	26.0	27.5	28.8
81.5°	22.7	21.2	19.9	19.0	20.8	21.1	21.7	22.6	23.8	25.2	26.5
82°	20.5	19.1	17.9	16.9	18.7	18.9	19.5	20.5	21.7	23.0	24.2
82.5°	18.4	17.0	15.8	15.0	16.7	16.9	17.5	18.5	19.6	20.9	22.0
83°	16.3	15.0	13.8	13.1	14.7	15.0	15.5	16.4	17.5	18.7	19.9
83.5°	14.4	13.2	12.1	11.3	12.9	13.1	13.7	14.5	15.6	16.8	17.9
84°	12.6	11.4	10.3	9.7	11.1	11.3	11.8	12.7	13.7	14.9	15.9
84.5°	10.9	9.7	8.8	8.2	9.4	9.7	10.2	11.0	11.9	13.0	14.0
85°	9.2	8.2	7.3	6.7	8.1	8.3	8.9	9.3	10.2	11.2	12.2
85.5°	7.7	6.8	6.0	5.4	6.8	7.1	7.5	8.1	8.9	9.7	10.5
86°	6.4	5.5	4.8	4.2	5.6	5.8	6.2	6.8	7.7	8.3	8.9
86.5°	5.1	4.3	3.6	3.2	4.3	4.5	4.8	5.6	6.5	7.1	7.7
87°	4.1	3.3	2.8	2.4	3.1	3.2	3.5	4.3	5.2	5.8	6.5
87.5°	3.1	2.5	2.3	1.7	2.2	2.3	2.6	3.1	3.9	4.5	5.3
88°	2.7	2.1	1.8	1.2	1.6	1.6	1.9	2.3	2.8	3.3	4.1
88.5°	2.2	1.7	1.3	1.0	1.1	1.2	1.4	1.7	2.0	2.5	2.9



TEST NUMBER: P938624  
CATALOG NUMBER: SMX4RLSFSD2W-800LM-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



TEST NUMBER: P938624

CATALOG NUMBER: SMX4RLSFS2W-800LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	312.7	312.7	312.7	312.7	312.7	312.7
0.5°	312.1	313.2	313.2	312.8	312.3	312.5
1°	312.3	313.5	313.2	312.7	312.9	312.3
1.5°	312.1	313.3	313.1	312.5	312.3	312.3
2°	312.1	313.1	313.0	312.8	312.7	312.3
2.5°	312.2	313.1	313.2	312.4	312.1	312.2
3°	311.9	313.0	312.8	312.3	312.3	311.9
3.5°	311.7	312.9	312.9	312.1	311.8	311.8
4°	311.7	312.6	312.3	312.0	312.1	311.6
4.5°	311.5	312.6	312.3	311.6	311.3	311.5
5°	311.2	312.1	311.9	311.5	311.4	311.0
5.5°	310.9	312.1	311.8	311.2	310.7	310.6
6°	310.9	311.6	311.2	310.9	310.8	310.3
6.5°	310.3	311.2	311.1	310.5	310.1	310.0
7°	310.2	310.9	310.3	310.2	309.8	309.7
7.5°	309.4	310.4	310.3	309.9	309.3	309.2
8°	309.4	310.0	309.9	309.4	309.1	308.6
8.5°	308.7	309.6	309.4	309.0	308.3	308.1
9°	308.7	309.0	308.8	308.3	308.1	307.8
9.5°	307.5	308.7	308.6	308.0	307.4	307.2
10°	307.5	308.0	307.6	307.2	307.1	306.5
10.5°	306.5	307.4	307.4	306.8	306.2	305.9
11°	306.3	306.7	306.5	306.1	305.8	305.2
11.5°	305.7	306.2	305.9	305.6	304.9	304.6
12°	305.2	305.4	305.2	304.6	304.6	303.9
12.5°	304.3	304.8	304.6	304.3	303.5	303.3
13°	303.9	304.0	303.9	303.3	303.0	302.5
13.5°	302.8	303.4	303.0	302.8	302.1	301.7
14°	302.2	302.4	302.2	301.8	301.7	300.8
14.5°	301.3	301.8	301.6	301.0	300.5	300.1
15°	300.6	300.9	300.7	300.1	299.8	299.1
15.5°	299.4	300.1	300.1	299.3	298.7	298.2
16°	299.2	299.1	298.8	298.4	297.9	297.3
16.5°	297.7	298.3	298.2	297.4	296.9	296.3
17°	297.2	297.2	296.9	296.6	296.1	295.5
17.5°	295.9	296.3	296.4	295.5	294.9	294.3
18°	295.2	295.2	295.0	294.7	294.1	293.6
18.5°	294.0	294.3	294.3	293.5	292.8	292.3
19°	293.2	293.1	293.0	292.5	292.1	291.4
19.5°	291.7	292.2	292.3	291.4	290.6	290.1
20°	290.9	290.9	290.8	290.5	289.8	289.1
20.5°	289.7	290.0	290.0	289.2	288.4	287.9
21°	288.8	288.6	288.5	288.2	287.6	286.9



TEST NUMBER: P938624

CATALOG NUMBER: SMX4RLSFS2W-800LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	285.2	285.3	285.0	284.4	283.6	283.0
23°	283.8	283.7	283.6	283.3	282.8	281.8
23.5°	282.6	282.7	282.4	281.8	281.0	280.1
24°	281.4	281.2	281.1	280.7	279.9	279.3
24.5°	279.8	279.9	279.8	279.3	278.3	277.5
25°	278.6	278.5	278.3	278.0	277.4	276.5
25.5°	277.3	277.1	277.2	276.5	275.5	274.8
26°	275.9	275.7	275.7	275.1	274.3	273.8
26.5°	274.6	274.4	274.3	273.7	272.8	272.0
27°	273.1	272.8	272.8	272.3	271.5	270.8
27.5°	271.7	271.4	271.5	270.7	269.6	269.1
28°	270.2	269.8	269.9	269.3	268.7	267.7
28.5°	268.6	268.3	268.4	267.6	266.7	266.1
29°	267.3	266.8	266.7	266.3	265.6	264.7
29.5°	265.5	265.3	265.3	264.7	263.8	262.9
30°	264.1	263.6	263.7	263.2	262.3	261.5
30.5°	262.3	262.1	262.2	261.4	260.5	259.7
31°	261.0	260.5	260.4	260.0	259.1	258.2
31.5°	259.2	258.9	258.9	258.0	257.3	256.5
32°	257.6	257.1	257.0	256.7	255.9	254.8
32.5°	256.0	255.5	255.6	254.9	253.9	253.0
33°	254.3	253.6	253.8	253.4	252.5	251.3
33.5°	252.5	252.1	252.0	251.3	250.6	249.6
34°	250.8	250.4	250.2	249.8	248.9	247.9
34.5°	249.1	248.5	248.7	247.8	246.9	246.1
35°	247.3	246.6	246.6	246.4	245.5	244.2
35.5°	245.4	244.9	245.1	244.3	243.2	242.5
36°	243.7	243.2	243.0	242.6	241.7	240.5
36.5°	241.8	241.1	241.4	240.6	239.7	238.8
37°	240.3	239.4	239.3	239.0	237.9	236.8
37.5°	238.2	237.5	237.6	236.9	235.9	235.0
38°	236.3	235.5	235.7	235.1	234.1	233.0
38.5°	234.4	233.6	233.7	233.1	232.1	231.3
39°	232.7	231.7	231.8	231.2	230.4	229.2
39.5°	230.6	229.8	229.8	229.2	228.0	227.4
40°	228.6	227.7	227.8	227.4	226.3	225.1
40.5°	226.8	225.8	225.8	225.4	224.2	223.3
41°	224.7	223.8	223.9	223.3	222.4	221.2
41.5°	222.8	221.7	221.9	221.3	220.3	219.3
42°	220.8	219.8	219.8	219.3	218.3	217.2
42.5°	218.7	217.6	217.8	217.2	216.1	215.1
43°	216.7	215.6	215.8	215.1	214.1	213.0
43.5°	214.6	213.5	213.5	213.1	212.1	211.0

TEST NUMBER: P938624

CATALOG NUMBER: SMX4RLSFSD2W-800LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	208.4	207.0	207.2	206.7	205.8	204.5
45.5°	206.0	205.1	205.1	204.5	203.5	202.2
46°	204.1	202.9	203.0	202.5	201.5	200.3
46.5°	201.7	200.7	200.8	200.1	199.1	197.9
47°	199.8	198.5	198.6	197.8	196.9	195.8
47.5°	197.5	196.4	196.4	195.8	194.8	193.5
48°	195.3	194.0	194.0	193.7	192.7	191.3
48.5°	193.1	191.9	192.0	191.3	190.3	189.0
49°	190.8	189.7	189.6	189.1	188.1	186.8
49.5°	188.7	187.3	187.5	186.8	185.7	184.4
50°	186.4	185.0	185.0	184.7	183.5	182.2
50.5°	184.0	182.7	183.0	182.2	181.2	179.9
51°	181.8	180.5	180.4	180.0	178.9	177.5
51.5°	179.5	178.0	178.2	177.7	176.5	175.2
52°	177.2	175.8	175.9	175.4	174.4	172.8
52.5°	174.8	173.4	173.6	172.8	171.9	170.6
53°	172.4	171.1	171.1	170.8	169.5	168.2
53.5°	170.2	168.7	168.8	168.2	167.1	165.8
54°	167.8	166.3	166.4	165.8	164.7	163.4
54.5°	165.3	163.9	164.0	163.4	162.3	160.9
55°	163.1	161.6	161.7	161.2	160.0	158.6
55.5°	160.5	159.1	159.1	158.6	157.4	156.2
56°	158.3	156.8	156.8	156.2	155.1	153.6
56.5°	155.7	154.2	154.3	153.7	152.7	151.2
57°	153.4	151.8	151.9	151.3	150.1	148.8
57.5°	150.8	149.3	149.3	148.7	147.5	146.3
58°	148.4	146.9	146.9	146.3	145.2	143.7
58.5°	145.9	144.4	144.3	143.7	142.7	141.3
59°	143.5	141.8	142.0	141.3	140.0	138.8
59.5°	140.9	139.4	139.3	138.7	137.6	136.2
60°	138.5	136.8	136.8	136.2	135.1	133.6
60.5°	135.9	134.3	134.2	133.6	132.5	131.2
61°	133.5	131.7	131.7	131.1	130.0	128.5
61.5°	130.8	129.2	129.2	128.5	127.4	126.0
62°	128.3	126.6	126.6	126.1	124.9	123.5
62.5°	125.6	124.0	124.0	123.4	122.2	120.8
63°	123.2	121.4	121.4	120.8	119.6	118.3
63.5°	120.5	118.8	118.8	118.2	117.0	115.5
64°	118.0	116.3	116.1	115.7	114.4	112.9
64.5°	115.5	113.6	113.6	112.9	111.8	110.3
65°	112.8	111.1	110.9	110.3	109.2	107.7
65.5°	110.1	108.3	108.3	107.7	106.5	105.0
66°	107.5	105.7	105.6	105.1	103.9	102.4

TEST NUMBER: P938624

CATALOG NUMBER: SMX4RLSFS2W-800LM-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	99.6	97.8	97.7	97.1	95.8	94.3
68°	97.0	95.1	94.9	94.4	93.2	91.7
68.5°	94.3	92.5	92.3	91.7	90.5	89.0
69°	91.7	89.8	89.5	89.1	87.9	86.4
69.5°	88.9	87.1	87.0	86.3	85.1	83.6
70°	86.3	84.4	84.2	83.7	82.4	81.0
70.5°	83.9	81.6	81.5	81.0	79.8	78.3
71°	81.0	79.0	78.9	78.3	77.1	75.6
71.5°	78.3	76.4	76.2	75.6	74.4	72.9
72°	75.7	73.7	73.5	72.9	71.7	70.2
72.5°	73.1	71.0	70.9	70.2	69.0	67.6
73°	70.3	68.4	68.2	67.6	66.4	64.8
73.5°	67.7	65.7	65.5	64.9	63.7	62.2
74°	65.1	63.0	62.8	62.2	60.9	59.4
74.5°	62.4	60.4	60.2	59.5	58.4	56.9
75°	59.8	57.7	57.5	56.9	55.7	54.2
75.5°	57.1	55.1	54.9	54.3	53.1	51.6
76°	54.5	52.5	52.2	51.6	50.4	49.0
76.5°	51.9	49.9	49.6	49.0	47.8	46.4
77°	49.4	47.3	47.0	46.4	45.3	43.9
77.5°	46.8	44.7	44.6	44.0	42.8	41.4
78°	44.2	42.2	42.0	41.4	40.3	38.9
78.5°	41.7	39.7	39.4	38.8	37.7	36.4
79°	39.2	37.3	37.0	36.5	35.3	33.9
79.5°	36.8	34.7	34.5	33.9	32.9	31.5
80°	34.3	32.3	32.1	31.6	30.4	29.2
80.5°	31.9	29.9	29.8	29.2	28.2	26.9
81°	29.5	27.7	27.5	26.9	26.0	24.8
81.5°	27.2	25.5	25.3	24.8	23.8	22.7
82°	25.0	23.4	23.2	22.7	21.7	20.5
82.5°	22.8	21.3	21.1	20.5	19.5	18.4
83°	20.6	19.1	18.9	18.5	17.3	16.3
83.5°	18.6	17.0	16.8	16.3	15.4	14.4
84°	16.6	15.1	14.9	14.4	13.5	12.6
84.5°	14.7	13.2	13.0	12.6	11.8	10.9
85°	12.8	11.4	11.2	10.9	10.1	9.2
85.5°	11.1	9.7	9.6	9.2	8.6	7.7
86°	9.4	8.3	8.1	7.7	7.1	6.4
86.5°	8.2	6.8	6.6	6.4	5.8	5.1
87°	6.9	5.5	5.4	5.1	4.6	4.1
87.5°	5.7	4.3	4.3	4.1	3.6	3.1
88°	4.4	3.3	3.3	3.1	2.8	2.7
88.5°	3.2	2.5	2.5	2.8	2.4	2.2



TEST NUMBER: P938624  
CATALOG NUMBER: SMX4RLSFSD2W-800LM-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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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

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21.5°	285.3	284.5	283.6	282.5	284.8	284.5	284.3	284.7	285.5	286.3	286.8
22°	284.4	283.4	282.0	281.3	283.3	283.3	283.0	283.6	284.0	284.8	285.9



44°	208.8	207.1	205.4	204.0	206.5	206.5	206.7	207.4	208.6	210.0	211.5
44.5°	206.5	205.1	203.3	202.1	204.4	204.4	204.4	205.2	206.5	208.0	209.4



66.5°	99.6	97.7	95.8	94.7	97.2	97.3	97.9	99.0	100.4	102.2	103.8
67°	97.1	95.2	93.2	92.0	94.6	94.6	95.2	96.4	97.8	99.5	101.3



89°	1.8	1.3	0.8	0.8	0.7	0.8	1.0	1.3	1.5	1.9	2.2
89.5°	1.3	0.9	0.7	0.7	0.6	0.7	0.7	1.0	1.2	1.4	1.6



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21.5°	287.3	287.5	287.4	286.8	286.2	285.3
22°	286.4	286.2	286.2	285.7	285.0	284.4



44°	212.5	211.3	211.5	210.9	210.1	208.8
44.5°	210.3	209.4	209.4	208.9	207.6	206.5



66.5°	104.9	103.0	103.1	102.3	101.3	99.6
67°	102.2	100.4	100.2	99.8	98.5	97.1



89°	2.4	2.2	2.1	2.3	1.9	1.8
89.5°	1.8	1.7	1.7	1.9	1.5	1.3

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Scaled Data Report



(END OF REPORT)