

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: P938647

Luminaire Tested: SMX8RLSFSD2W-1500LM-3000K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2405950-01A001)
Test Lab:
Issue Date: 1/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SMX8RLSFSD2W-1500LM-3000K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

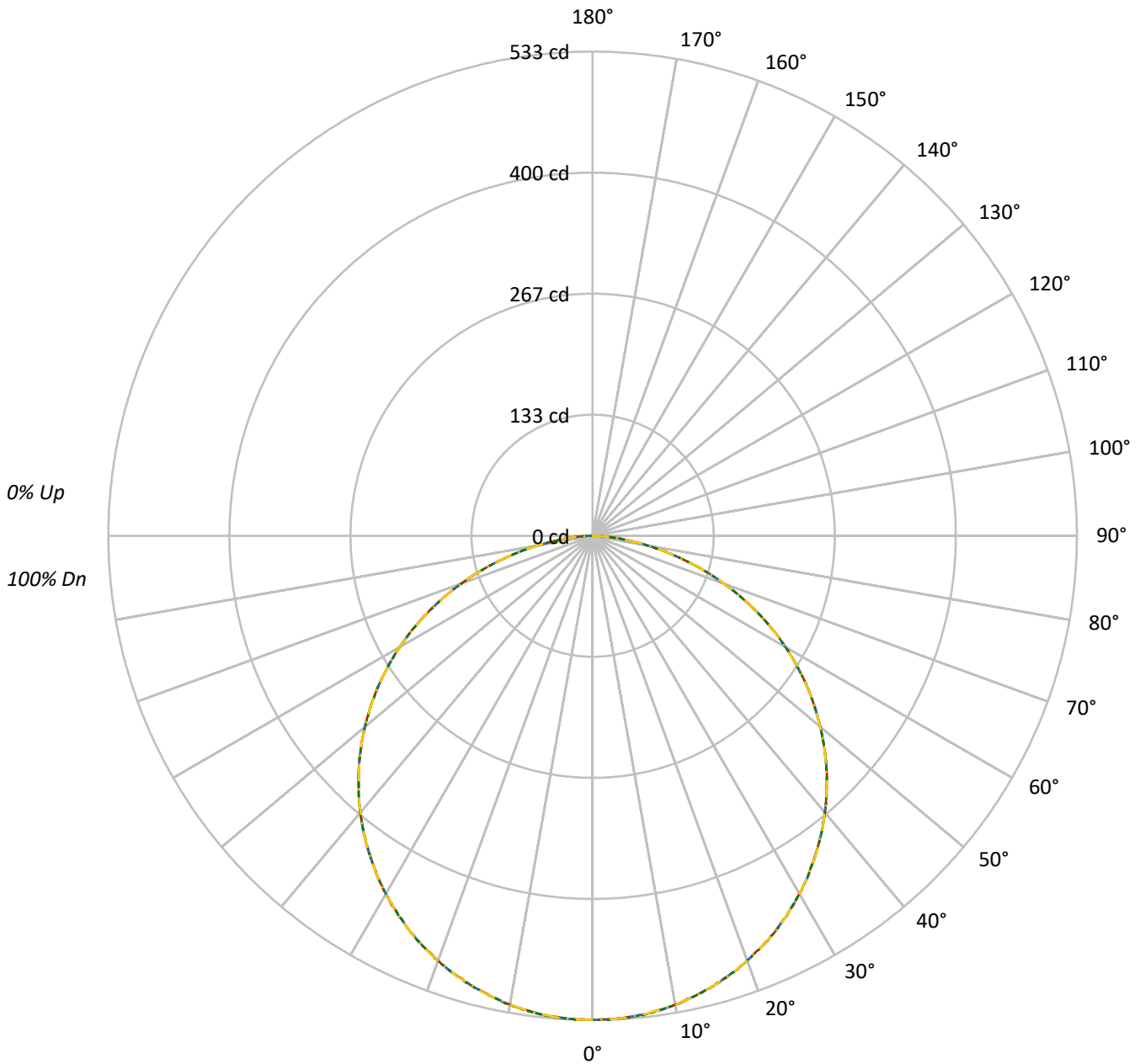
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1560.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
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: 24 FT

TEST NUMBER: P938647
CATALOG NUMBER: SMX8RLSFS2W-1500LM-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P938647
 CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					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	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83								
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43								
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26								
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12984	12984	12984	12984
5°	12985	12989	12985	12989
10°	12961	12966	12961	12966
15°	12953	12937	12953	12937
20°	12894	12904	12894	12904
25°	12866	12869	12866	12869
30°	12804	12809	12804	12809
35°	12724	12733	12724	12733
40°	12652	12649	12652	12649
45°	12549	12525	12549	12525
50°	12399	12410	12399	12410
55°	12217	12229	12217	12229
60°	11948	11939	11948	11939
65°	11553	11559	11553	11559
70°	10949	10942	10949	10942
75°	10007	10035	10007	10035
80°	8573	8587	8573	8587
85°	6458	6514	6458	6514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12549 cd/sqm



TEST NUMBER: P938647
 CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	3.2
10°-20°	144.8	9.3
20°-30°	220.5	14.1
30°-40°	267.8	17.2
40°-50°	280.6	18.0
50°-60°	256.7	16.5
60°-70°	198.0	12.7
70°-80°	112.6	7.2
80°-90°	28.5	1.8
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°	415.8	26.7
0°-40°	683.6	43.8
0°-60°	1220.9	78.3
0°-90°	1560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	533	533	533	533	533	
5°	531	531	531	531	531	50
15°	514	513	514	513	514	145
25°	479	479	479	479	479	221
35°	428	428	428	428	428	268
45°	364	364	364	364	364	281
55°	288	288	288	288	288	257
65°	200	200	200	200	200	198
75°	106	107	106	107	106	113
85°	23	23	23	23	23	28
90°	0	0	0	0	0	



TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9
0.5°	533.1	532.4	533.0	533.5	532.8	533.5	533.0	532.4	533.1	532.4	533.0
1°	532.5	532.5	532.8	533.0	532.8	533.0	532.8	532.5	532.5	532.5	532.8
1.5°	532.6	532.5	532.8	532.8	532.5	532.8	532.8	532.5	532.6	532.5	532.8
2°	532.6	532.5	532.7	532.7	533.2	532.7	532.7	532.5	532.6	532.5	532.7
2.5°	532.6	532.2	532.5	532.4	532.4	532.4	532.5	532.2	532.6	532.2	532.5
3°	532.3	532.1	532.4	532.1	532.3	532.1	532.4	532.1	532.3	532.1	532.4
3.5°	532.1	531.6	531.7	532.2	532.2	532.2	531.7	531.6	532.1	531.6	531.7
4°	531.3	531.5	531.8	531.4	531.8	531.4	531.8	531.5	531.3	531.5	531.8
4.5°	531.0	531.3	531.5	531.4	531.8	531.4	531.5	531.3	531.0	531.3	531.5
5°	530.9	530.7	530.8	530.8	531.1	530.8	530.8	530.7	530.9	530.7	530.8
5.5°	530.5	529.9	530.0	530.5	530.6	530.5	530.0	529.9	530.5	529.9	530.0
6°	529.9	529.4	530.0	529.6	530.7	529.6	530.0	529.4	529.9	529.4	530.0
6.5°	529.6	529.1	529.3	529.1	529.5	529.1	529.3	529.1	529.6	529.1	529.3
7°	528.7	528.4	528.7	528.6	529.5	528.6	528.7	528.4	528.7	528.4	528.7
7.5°	527.7	528.0	527.7	528.2	528.3	528.2	527.7	528.0	527.7	528.0	527.7
8°	527.0	527.4	527.3	527.0	528.0	527.0	527.3	527.4	527.0	527.4	527.3
8.5°	527.2	526.5	526.6	526.0	526.6	526.0	526.6	526.5	527.2	526.5	526.6
9°	525.8	525.9	525.9	525.9	526.2	525.9	525.9	525.9	525.8	525.9	525.9
9.5°	525.4	524.6	524.8	524.8	524.9	524.8	524.8	524.6	525.4	524.6	524.8
10°	523.9	524.1	524.2	524.4	524.1	524.4	524.2	524.1	523.9	524.1	524.2
10.5°	523.4	522.6	523.3	523.3	524.0	523.3	523.3	522.6	523.4	522.6	523.3
11°	522.5	521.7	521.9	522.4	522.4	522.4	521.9	521.7	522.5	521.7	521.9
11.5°	520.5	521.0	521.2	521.3	521.1	521.3	521.2	521.0	520.5	521.0	521.2
12°	520.0	520.2	519.6	519.7	519.9	519.7	519.6	520.2	520.0	520.2	519.6
12.5°	519.1	518.9	519.0	519.1	519.1	519.1	519.0	518.9	519.1	518.9	519.0
13°	517.9	518.1	518.0	517.8	517.7	517.8	518.0	518.1	517.9	518.1	518.0
13.5°	516.5	516.7	517.0	517.0	516.9	517.0	517.0	516.7	516.5	516.7	517.0
14°	515.3	515.7	515.4	515.8	515.0	515.8	515.4	515.7	515.3	515.7	515.4
14.5°	514.2	514.1	514.3	514.3	514.8	514.3	514.3	514.1	514.2	514.1	514.3
15°	513.5	512.6	513.1	512.9	512.9	512.9	513.1	512.6	513.5	512.6	513.1
15.5°	511.3	511.3	511.7	511.6	511.8	511.6	511.7	511.3	511.3	511.3	511.7
16°	510.3	510.1	510.3	510.6	510.9	510.6	510.3	510.1	510.3	510.1	510.3
16.5°	508.3	508.7	508.7	508.6	508.9	508.6	508.7	508.7	508.3	508.7	508.7
17°	507.4	507.1	507.9	507.1	507.6	507.1	507.9	507.1	507.4	507.1	507.9
17.5°	505.8	505.4	505.8	506.0	505.7	506.0	505.8	505.4	505.8	505.4	505.8
18°	504.2	504.2	504.3	504.2	504.8	504.2	504.3	504.2	504.2	504.2	504.3
18.5°	503.1	502.7	502.7	502.8	502.7	502.8	502.7	502.7	503.1	502.7	502.7
19°	501.0	501.1	501.4	500.9	501.3	500.9	501.4	501.1	501.0	501.1	501.4
19.5°	499.6	499.4	499.4	499.5	499.8	499.5	499.4	499.4	499.6	499.4	499.4
20°	497.3	497.2	497.8	497.5	497.7	497.5	497.8	497.2	497.3	497.2	497.8
20.5°	496.3	496.0	495.6	495.8	496.2	495.8	495.6	496.0	496.3	496.0	495.6
21°	493.8	494.3	494.0	494.2	494.0	494.2	494.0	494.3	493.8	494.3	494.0



TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	488.7	488.5	488.4	488.7	488.9	488.7	488.4	488.5	488.7	488.5	488.4
23°	486.7	486.5	486.6	486.8	486.4	486.8	486.6	486.5	486.7	486.5	486.6
23.5°	485.0	484.5	484.8	484.9	485.2	484.9	484.8	484.5	485.0	484.5	484.8
24°	482.3	482.5	483.0	482.5	482.8	482.5	483.0	482.5	482.3	482.5	483.0
24.5°	481.0	480.3	480.7	480.4	480.9	480.4	480.7	480.3	481.0	480.3	480.7
25°	478.6	478.5	478.7	478.5	478.7	478.5	478.7	478.5	478.6	478.5	478.7
25.5°	476.1	475.7	476.3	476.1	476.4	476.1	476.3	475.7	476.1	475.7	476.3
26°	474.0	474.0	473.9	474.0	473.9	474.0	473.9	474.0	474.0	474.0	473.9
26.5°	471.6	471.6	471.6	471.8	471.4	471.8	471.6	471.6	471.6	471.6	471.6
27°	470.0	469.8	469.6	469.4	470.0	469.4	469.6	469.8	470.0	469.8	469.6
27.5°	467.3	466.8	467.1	467.1	466.8	467.1	467.1	466.8	467.3	466.8	467.1
28°	464.6	464.9	464.9	465.2	464.8	465.2	464.9	464.9	464.6	464.9	464.9
28.5°	463.0	462.5	462.3	462.1	462.3	462.1	462.3	462.5	463.0	462.5	462.3
29°	460.2	460.1	460.0	460.2	459.8	460.2	460.0	460.1	460.2	460.1	460.0
29.5°	457.4	457.2	457.5	457.3	457.6	457.3	457.5	457.2	457.4	457.2	457.5
30°	455.1	455.0	455.4	455.1	455.3	455.1	455.4	455.0	455.1	455.0	455.4
30.5°	453.0	452.2	452.5	452.7	452.7	452.7	452.5	452.2	453.0	452.2	452.5
31°	449.9	450.0	449.8	449.9	449.9	449.9	449.8	450.0	449.9	450.0	449.8
31.5°	447.6	447.3	447.4	447.4	447.7	447.4	447.4	447.3	447.6	447.3	447.4
32°	445.2	444.7	445.0	444.7	444.7	444.7	445.0	444.7	445.2	444.7	445.0
32.5°	442.3	442.1	442.2	442.1	442.4	442.1	442.2	442.1	442.3	442.1	442.2
33°	439.4	439.0	439.4	439.5	439.0	439.5	439.4	439.0	439.4	439.0	439.4
33.5°	436.2	436.6	436.2	436.4	436.3	436.4	436.2	436.6	436.2	436.6	436.2
34°	433.7	433.9	433.8	433.4	434.1	433.4	433.8	433.9	433.7	433.9	433.8
34.5°	430.7	430.9	431.0	431.0	431.2	431.0	431.0	430.9	430.7	430.9	431.0
35°	427.8	428.3	428.3	428.2	428.1	428.2	428.3	428.3	427.8	428.3	428.3
35.5°	425.1	425.0	425.5	425.1	425.3	425.1	425.5	425.0	425.1	425.0	425.5
36°	422.1	422.0	422.3	422.1	422.6	422.1	422.3	422.0	422.1	422.0	422.3
36.5°	419.4	419.3	419.1	419.3	419.0	419.3	419.1	419.3	419.4	419.3	419.1
37°	416.2	415.7	416.3	415.9	416.1	415.9	416.3	415.7	416.2	415.7	416.3
37.5°	413.6	412.9	413.4	413.3	413.3	413.3	413.4	412.9	413.6	412.9	413.4
38°	410.6	410.1	410.5	410.2	410.1	410.2	410.5	410.1	410.6	410.1	410.5
38.5°	407.2	407.1	407.4	407.3	407.0	407.3	407.4	407.1	407.2	407.1	407.4
39°	404.0	404.4	403.9	404.0	403.8	404.0	403.9	404.4	404.0	404.4	403.9
39.5°	401.0	400.9	400.6	400.7	401.1	400.7	400.6	400.9	401.0	400.9	400.6
40°	397.8	397.6	397.3	397.7	397.7	397.7	397.3	397.6	397.8	397.6	397.3
40.5°	394.7	394.2	394.3	394.4	394.6	394.4	394.3	394.2	394.7	394.2	394.3
41°	391.3	390.7	391.5	391.1	391.4	391.1	391.5	390.7	391.3	390.7	391.5
41.5°	387.9	387.7	387.8	387.7	387.6	387.7	387.8	387.7	387.9	387.7	387.8
42°	385.0	384.2	384.4	384.5	384.9	384.5	384.4	384.2	385.0	384.2	384.4
42.5°	381.1	381.1	380.8	381.1	381.2	381.1	380.8	381.1	381.1	381.1	380.8
43°	377.6	377.7	377.7	377.6	377.5	377.6	377.7	377.7	377.6	377.7	377.7
43.5°	374.2	374.1	374.1	374.3	373.9	374.3	374.1	374.1	374.2	374.1	374.1



TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	364.2	363.8	363.8	363.6	363.5	363.6	363.8	363.8	364.2	363.8	363.8
45.5°	360.6	360.2	360.3	360.1	360.3	360.1	360.3	360.2	360.6	360.2	360.3
46°	356.7	356.8	356.6	356.6	357.1	356.6	356.6	356.8	356.7	356.8	356.6
46.5°	353.2	353.2	353.0	353.0	353.4	353.0	353.0	353.2	353.2	353.2	353.0
47°	349.6	349.5	349.4	349.3	349.6	349.3	349.4	349.5	349.6	349.5	349.4
47.5°	345.8	345.7	345.8	345.7	345.7	345.7	345.8	345.7	345.8	345.7	345.8
48°	342.2	342.1	342.1	342.0	342.1	342.0	342.1	342.1	342.2	342.1	342.1
48.5°	338.5	338.5	338.4	338.4	338.2	338.4	338.4	338.5	338.5	338.5	338.4
49°	334.6	334.7	334.6	334.5	334.8	334.5	334.6	334.7	334.6	334.7	334.6
49.5°	330.8	330.9	330.7	330.7	330.9	330.7	330.7	330.9	330.8	330.9	330.7
50°	327.1	327.2	327.0	327.0	327.4	327.0	327.0	327.2	327.1	327.2	327.0
50.5°	323.4	323.2	323.2	323.0	323.4	323.0	323.2	323.2	323.4	323.2	323.2
51°	319.4	319.2	319.4	319.1	319.2	319.1	319.4	319.2	319.4	319.2	319.4
51.5°	315.5	315.5	315.3	315.3	315.2	315.3	315.3	315.5	315.5	315.5	315.3
52°	311.7	311.6	311.5	311.6	311.6	311.6	311.5	311.6	311.7	311.6	311.5
52.5°	307.9	307.5	307.7	307.9	307.6	307.9	307.7	307.5	307.9	307.5	307.7
53°	303.7	303.7	303.7	303.5	303.8	303.5	303.7	303.7	303.7	303.7	303.7
53.5°	299.8	299.7	299.7	299.5	299.5	299.5	299.7	299.7	299.8	299.7	299.7
54°	295.5	295.5	295.8	295.7	295.6	295.7	295.8	295.5	295.5	295.5	295.8
54.5°	291.7	291.4	291.7	291.3	291.9	291.3	291.7	291.4	291.7	291.4	291.7
55°	287.6	287.5	287.4	287.3	287.9	287.3	287.4	287.5	287.6	287.5	287.4
55.5°	283.8	283.5	283.4	283.1	283.3	283.1	283.4	283.5	283.8	283.5	283.4
56°	279.1	279.3	279.3	279.1	279.3	279.1	279.3	279.3	279.1	279.3	279.3
56.5°	275.1	275.1	275.0	275.0	275.0	275.0	275.0	275.1	275.1	275.1	275.0
57°	270.3	270.5	270.8	270.6	270.6	270.6	270.8	270.5	270.3	270.5	270.8
57.5°	266.5	266.5	266.6	266.3	266.8	266.3	266.6	266.5	266.5	266.5	266.6
58°	262.3	262.6	262.3	262.2	262.4	262.2	262.3	262.6	262.3	262.6	262.3
58.5°	258.2	258.3	258.0	258.1	257.8	258.1	258.0	258.3	258.2	258.3	258.0
59°	253.9	253.9	253.9	253.7	254.0	253.7	253.9	253.9	253.9	253.9	253.9
59.5°	249.8	249.8	249.5	249.2	249.7	249.2	249.5	249.8	249.8	249.8	249.5
60°	245.2	245.2	245.3	245.3	245.0	245.3	245.3	245.2	245.2	245.2	245.3
60.5°	240.7	240.9	240.8	240.9	240.6	240.9	240.8	240.9	240.7	240.9	240.8
61°	236.6	236.6	236.6	236.4	236.6	236.4	236.6	236.6	236.6	236.6	236.6
61.5°	232.3	232.2	231.9	232.1	232.2	232.1	231.9	232.2	232.3	232.2	231.9
62°	227.8	227.7	227.5	227.4	227.4	227.4	227.5	227.7	227.8	227.7	227.5
62.5°	223.3	223.3	223.1	223.0	223.1	223.0	223.1	223.3	223.3	223.3	223.1
63°	218.4	218.7	218.8	218.7	218.6	218.7	218.8	218.7	218.4	218.7	218.8
63.5°	214.2	214.1	214.1	214.1	214.2	214.1	214.1	214.1	214.2	214.1	214.1
64°	209.6	209.4	209.6	209.7	209.7	209.7	209.6	209.4	209.6	209.4	209.6
64.5°	205.4	205.1	205.1	204.7	205.2	204.7	205.1	205.1	205.4	205.1	205.1
65°	200.4	200.5	200.4	200.1	200.5	200.1	200.4	200.5	200.4	200.5	200.4
65.5°	195.7	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.7	195.9	195.9
66°	191.1	191.4	191.1	191.1	191.2	191.1	191.1	191.4	191.1	191.4	191.1



TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFS2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	177.2	177.3	177.4	177.0	177.0	177.0	177.4	177.3	177.2	177.3	177.4
68°	172.8	172.8	172.5	172.3	172.6	172.3	172.5	172.8	172.8	172.8	172.5
68.5°	167.9	168.0	167.9	168.0	168.2	168.0	167.9	168.0	167.9	168.0	167.9
69°	163.3	163.2	163.3	163.4	163.4	163.4	163.3	163.2	163.3	163.2	163.3
69.5°	158.3	158.4	158.5	158.5	158.6	158.5	158.5	158.4	158.3	158.4	158.5
70°	153.7	153.9	153.7	153.7	153.6	153.7	153.7	153.9	153.7	153.9	153.7
70.5°	149.3	149.2	149.0	149.2	149.1	149.2	149.0	149.2	149.3	149.2	149.0
71°	144.6	144.4	144.5	144.3	144.3	144.3	144.5	144.4	144.6	144.4	144.5
71.5°	139.8	139.7	139.6	139.6	139.5	139.6	139.6	139.7	139.8	139.7	139.6
72°	135.1	135.0	134.9	134.9	134.9	134.9	134.9	135.0	135.1	135.0	134.9
72.5°	130.3	130.2	130.2	130.0	130.2	130.0	130.2	130.2	130.3	130.2	130.2
73°	125.2	125.2	125.2	125.4	125.2	125.4	125.2	125.2	125.2	125.2	125.2
73.5°	120.8	120.7	120.7	120.6	120.6	120.6	120.7	120.7	120.8	120.7	120.7
74°	116.0	116.0	116.0	115.8	115.9	115.8	116.0	116.0	116.0	116.0	116.0
74.5°	111.2	111.1	111.1	111.0	111.0	111.0	111.1	111.1	111.2	111.1	111.1
75°	106.3	106.6	106.4	106.5	106.6	106.5	106.4	106.6	106.3	106.6	106.4
75.5°	101.8	101.7	101.7	101.6	101.6	101.6	101.7	101.7	101.8	101.7	101.7
76°	97.2	97.1	97.0	97.0	97.1	97.0	97.0	97.1	97.2	97.1	97.0
76.5°	92.6	92.5	92.5	92.5	92.7	92.5	92.5	92.5	92.6	92.5	92.5
77°	88.1	88.0	87.8	87.9	87.9	87.9	87.8	88.0	88.1	88.0	87.8
77.5°	83.3	83.4	83.3	83.3	83.2	83.3	83.3	83.4	83.3	83.4	83.3
78°	78.8	78.9	78.8	78.9	79.0	78.9	78.8	78.9	78.8	78.9	78.8
78.5°	74.3	74.3	74.2	74.2	74.4	74.2	74.2	74.3	74.3	74.3	74.2
79°	69.7	69.9	69.6	69.7	69.8	69.7	69.6	69.9	69.7	69.9	69.6
79.5°	65.6	65.5	65.4	65.4	65.6	65.4	65.4	65.5	65.6	65.5	65.4
80°	61.1	61.1	61.1	61.2	61.2	61.2	61.1	61.1	61.1	61.1	61.1
80.5°	56.9	56.9	56.9	56.9	56.8	56.9	56.9	56.9	56.9	56.9	56.9
81°	52.7	52.8	52.7	52.7	52.8	52.7	52.7	52.8	52.7	52.8	52.7
81.5°	48.8	48.8	48.8	48.7	48.8	48.7	48.8	48.8	48.8	48.8	48.8
82°	44.9	44.9	44.8	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.8
82.5°	40.9	40.9	40.9	40.8	40.9	40.8	40.9	40.9	40.9	40.9	40.9
83°	37.1	37.1	37.1	37.0	37.1	37.0	37.1	37.1	37.1	37.1	37.1
83.5°	33.5	33.5	33.4	33.4	33.4	33.4	33.4	33.5	33.5	33.5	33.4
84°	29.9	30.0	29.9	29.7	29.9	29.7	29.9	30.0	29.9	30.0	29.9
84.5°	26.6	26.6	26.4	26.5	26.5	26.5	26.4	26.6	26.6	26.6	26.4
85°	23.1	23.2	23.2	23.2	23.3	23.2	23.2	23.2	23.1	23.2	23.2
85.5°	20.1	20.1	20.2	20.3	20.5	20.3	20.2	20.1	20.1	20.1	20.2
86°	17.3	17.3	17.4	17.5	17.6	17.5	17.4	17.3	17.3	17.3	17.4
86.5°	14.7	14.7	14.6	14.8	15.4	14.8	14.6	14.7	14.7	14.7	14.6
87°	12.2	12.3	12.3	12.4	12.6	12.4	12.3	12.3	12.2	12.3	12.3
87.5°	10.1	10.0	10.1	10.3	10.5	10.3	10.1	10.0	10.1	10.0	10.1
88°	8.1	8.1	8.2	8.3	8.5	8.3	8.2	8.1	8.1	8.1	8.2
88.5°	6.6	6.6	6.6	6.6	6.8	6.6	6.6	6.6	6.6	6.6	6.6



TEST NUMBER: P938647
CATALOG NUMBER: SMX8RLSFS2W-1500LM-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



TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	532.9	532.9	532.9	532.9	532.9	532.9
0.5°	533.5	532.8	533.5	533.0	532.4	533.1
1°	533.0	532.8	533.0	532.8	532.5	532.5
1.5°	532.8	532.5	532.8	532.8	532.5	532.6
2°	532.7	533.2	532.7	532.7	532.5	532.6
2.5°	532.4	532.4	532.4	532.5	532.2	532.6
3°	532.1	532.3	532.1	532.4	532.1	532.3
3.5°	532.2	532.2	532.2	531.7	531.6	532.1
4°	531.4	531.8	531.4	531.8	531.5	531.3
4.5°	531.4	531.8	531.4	531.5	531.3	531.0
5°	530.8	531.1	530.8	530.8	530.7	530.9
5.5°	530.5	530.6	530.5	530.0	529.9	530.5
6°	529.6	530.7	529.6	530.0	529.4	529.9
6.5°	529.1	529.5	529.1	529.3	529.1	529.6
7°	528.6	529.5	528.6	528.7	528.4	528.7
7.5°	528.2	528.3	528.2	527.7	528.0	527.7
8°	527.0	528.0	527.0	527.3	527.4	527.0
8.5°	526.0	526.6	526.0	526.6	526.5	527.2
9°	525.9	526.2	525.9	525.9	525.9	525.8
9.5°	524.8	524.9	524.8	524.8	524.6	525.4
10°	524.4	524.1	524.4	524.2	524.1	523.9
10.5°	523.3	524.0	523.3	523.3	522.6	523.4
11°	522.4	522.4	522.4	521.9	521.7	522.5
11.5°	521.3	521.1	521.3	521.2	521.0	520.5
12°	519.7	519.9	519.7	519.6	520.2	520.0
12.5°	519.1	519.1	519.1	519.0	518.9	519.1
13°	517.8	517.7	517.8	518.0	518.1	517.9
13.5°	517.0	516.9	517.0	517.0	516.7	516.5
14°	515.8	515.0	515.8	515.4	515.7	515.3
14.5°	514.3	514.8	514.3	514.3	514.1	514.2
15°	512.9	512.9	512.9	513.1	512.6	513.5
15.5°	511.6	511.8	511.6	511.7	511.3	511.3
16°	510.6	510.9	510.6	510.3	510.1	510.3
16.5°	508.6	508.9	508.6	508.7	508.7	508.3
17°	507.1	507.6	507.1	507.9	507.1	507.4
17.5°	506.0	505.7	506.0	505.8	505.4	505.8
18°	504.2	504.8	504.2	504.3	504.2	504.2
18.5°	502.8	502.7	502.8	502.7	502.7	503.1
19°	500.9	501.3	500.9	501.4	501.1	501.0
19.5°	499.5	499.8	499.5	499.4	499.4	499.6
20°	497.5	497.7	497.5	497.8	497.2	497.3
20.5°	495.8	496.2	495.8	495.6	496.0	496.3
21°	494.2	494.0	494.2	494.0	494.3	493.8

TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	488.7	488.9	488.7	488.4	488.5	488.7
23°	486.8	486.4	486.8	486.6	486.5	486.7
23.5°	484.9	485.2	484.9	484.8	484.5	485.0
24°	482.5	482.8	482.5	483.0	482.5	482.3
24.5°	480.4	480.9	480.4	480.7	480.3	481.0
25°	478.5	478.7	478.5	478.7	478.5	478.6
25.5°	476.1	476.4	476.1	476.3	475.7	476.1
26°	474.0	473.9	474.0	473.9	474.0	474.0
26.5°	471.8	471.4	471.8	471.6	471.6	471.6
27°	469.4	470.0	469.4	469.6	469.8	470.0
27.5°	467.1	466.8	467.1	467.1	466.8	467.3
28°	465.2	464.8	465.2	464.9	464.9	464.6
28.5°	462.1	462.3	462.1	462.3	462.5	463.0
29°	460.2	459.8	460.2	460.0	460.1	460.2
29.5°	457.3	457.6	457.3	457.5	457.2	457.4
30°	455.1	455.3	455.1	455.4	455.0	455.1
30.5°	452.7	452.7	452.7	452.5	452.2	453.0
31°	449.9	449.9	449.9	449.8	450.0	449.9
31.5°	447.4	447.7	447.4	447.4	447.3	447.6
32°	444.7	444.7	444.7	445.0	444.7	445.2
32.5°	442.1	442.4	442.1	442.2	442.1	442.3
33°	439.5	439.0	439.5	439.4	439.0	439.4
33.5°	436.4	436.3	436.4	436.2	436.6	436.2
34°	433.4	434.1	433.4	433.8	433.9	433.7
34.5°	431.0	431.2	431.0	431.0	430.9	430.7
35°	428.2	428.1	428.2	428.3	428.3	427.8
35.5°	425.1	425.3	425.1	425.5	425.0	425.1
36°	422.1	422.6	422.1	422.3	422.0	422.1
36.5°	419.3	419.0	419.3	419.1	419.3	419.4
37°	415.9	416.1	415.9	416.3	415.7	416.2
37.5°	413.3	413.3	413.3	413.4	412.9	413.6
38°	410.2	410.1	410.2	410.5	410.1	410.6
38.5°	407.3	407.0	407.3	407.4	407.1	407.2
39°	404.0	403.8	404.0	403.9	404.4	404.0
39.5°	400.7	401.1	400.7	400.6	400.9	401.0
40°	397.7	397.7	397.7	397.3	397.6	397.8
40.5°	394.4	394.6	394.4	394.3	394.2	394.7
41°	391.1	391.4	391.1	391.5	390.7	391.3
41.5°	387.7	387.6	387.7	387.8	387.7	387.9
42°	384.5	384.9	384.5	384.4	384.2	385.0
42.5°	381.1	381.2	381.1	380.8	381.1	381.1
43°	377.6	377.5	377.6	377.7	377.7	377.6
43.5°	374.3	373.9	374.3	374.1	374.1	374.2



TEST NUMBER: P938647

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	363.6	363.5	363.6	363.8	363.8	364.2
45.5°	360.1	360.3	360.1	360.3	360.2	360.6
46°	356.6	357.1	356.6	356.6	356.8	356.7
46.5°	353.0	353.4	353.0	353.0	353.2	353.2
47°	349.3	349.6	349.3	349.4	349.5	349.6
47.5°	345.7	345.7	345.7	345.8	345.7	345.8
48°	342.0	342.1	342.0	342.1	342.1	342.2
48.5°	338.4	338.2	338.4	338.4	338.5	338.5
49°	334.5	334.8	334.5	334.6	334.7	334.6
49.5°	330.7	330.9	330.7	330.7	330.9	330.8
50°	327.0	327.4	327.0	327.0	327.2	327.1
50.5°	323.0	323.4	323.0	323.2	323.2	323.4
51°	319.1	319.2	319.1	319.4	319.2	319.4
51.5°	315.3	315.2	315.3	315.3	315.5	315.5
52°	311.6	311.6	311.6	311.5	311.6	311.7
52.5°	307.9	307.6	307.9	307.7	307.5	307.9
53°	303.5	303.8	303.5	303.7	303.7	303.7
53.5°	299.5	299.5	299.5	299.7	299.7	299.8
54°	295.7	295.6	295.7	295.8	295.5	295.5
54.5°	291.3	291.9	291.3	291.7	291.4	291.7
55°	287.3	287.9	287.3	287.4	287.5	287.6
55.5°	283.1	283.3	283.1	283.4	283.5	283.8
56°	279.1	279.3	279.1	279.3	279.3	279.1
56.5°	275.0	275.0	275.0	275.0	275.1	275.1
57°	270.6	270.6	270.6	270.8	270.5	270.3
57.5°	266.3	266.8	266.3	266.6	266.5	266.5
58°	262.2	262.4	262.2	262.3	262.6	262.3
58.5°	258.1	257.8	258.1	258.0	258.3	258.2
59°	253.7	254.0	253.7	253.9	253.9	253.9
59.5°	249.2	249.7	249.2	249.5	249.8	249.8
60°	245.3	245.0	245.3	245.3	245.2	245.2
60.5°	240.9	240.6	240.9	240.8	240.9	240.7
61°	236.4	236.6	236.4	236.6	236.6	236.6
61.5°	232.1	232.2	232.1	231.9	232.2	232.3
62°	227.4	227.4	227.4	227.5	227.7	227.8
62.5°	223.0	223.1	223.0	223.1	223.3	223.3
63°	218.7	218.6	218.7	218.8	218.7	218.4
63.5°	214.1	214.2	214.1	214.1	214.1	214.2
64°	209.7	209.7	209.7	209.6	209.4	209.6
64.5°	204.7	205.2	204.7	205.1	205.1	205.4
65°	200.1	200.5	200.1	200.4	200.5	200.4
65.5°	195.9	195.9	195.9	195.9	195.9	195.7
66°	191.1	191.2	191.1	191.1	191.4	191.1



TEST NUMBER: P938647
 CATALOG NUMBER: SMX8RLSFSD2W-1500LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	177.0	177.0	177.0	177.4	177.3	177.2
68°	172.3	172.6	172.3	172.5	172.8	172.8
68.5°	168.0	168.2	168.0	167.9	168.0	167.9
69°	163.4	163.4	163.4	163.3	163.2	163.3
69.5°	158.5	158.6	158.5	158.5	158.4	158.3
70°	153.7	153.6	153.7	153.7	153.9	153.7
70.5°	149.2	149.1	149.2	149.0	149.2	149.3
71°	144.3	144.3	144.3	144.5	144.4	144.6
71.5°	139.6	139.5	139.6	139.6	139.7	139.8
72°	134.9	134.9	134.9	134.9	135.0	135.1
72.5°	130.0	130.2	130.0	130.2	130.2	130.3
73°	125.4	125.2	125.4	125.2	125.2	125.2
73.5°	120.6	120.6	120.6	120.7	120.7	120.8
74°	115.8	115.9	115.8	116.0	116.0	116.0
74.5°	111.0	111.0	111.0	111.1	111.1	111.2
75°	106.5	106.6	106.5	106.4	106.6	106.3
75.5°	101.6	101.6	101.6	101.7	101.7	101.8
76°	97.0	97.1	97.0	97.0	97.1	97.2
76.5°	92.5	92.7	92.5	92.5	92.5	92.6
77°	87.9	87.9	87.9	87.8	88.0	88.1
77.5°	83.3	83.2	83.3	83.3	83.4	83.3
78°	78.9	79.0	78.9	78.8	78.9	78.8
78.5°	74.2	74.4	74.2	74.2	74.3	74.3
79°	69.7	69.8	69.7	69.6	69.9	69.7
79.5°	65.4	65.6	65.4	65.4	65.5	65.6
80°	61.2	61.2	61.2	61.1	61.1	61.1
80.5°	56.9	56.8	56.9	56.9	56.9	56.9
81°	52.7	52.8	52.7	52.7	52.8	52.7
81.5°	48.7	48.8	48.7	48.8	48.8	48.8
82°	44.8	44.8	44.8	44.8	44.9	44.9
82.5°	40.8	40.9	40.8	40.9	40.9	40.9
83°	37.0	37.1	37.0	37.1	37.1	37.1
83.5°	33.4	33.4	33.4	33.4	33.5	33.5
84°	29.7	29.9	29.7	29.9	30.0	29.9
84.5°	26.5	26.5	26.5	26.4	26.6	26.6
85°	23.2	23.3	23.2	23.2	23.2	23.1
85.5°	20.3	20.5	20.3	20.2	20.1	20.1
86°	17.5	17.6	17.5	17.4	17.3	17.3
86.5°	14.8	15.4	14.8	14.6	14.7	14.7
87°	12.4	12.6	12.4	12.3	12.3	12.2
87.5°	10.3	10.5	10.3	10.1	10.0	10.1
88°	8.3	8.5	8.3	8.2	8.1	8.1
88.5°	6.6	6.8	6.6	6.6	6.6	6.6



TEST NUMBER: P938647
CATALOG NUMBER: SMX8RLSFSD2W-1500LM-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

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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report





21.5°	492.0	492.1	492.5	492.1	492.2	492.1	492.5	492.1	492.0	492.1	492.5
22°	490.7	489.9	490.8	490.2	490.3	490.2	490.8	489.9	490.7	489.9	490.8



44°	371.5	370.8	370.8	370.9	370.9	370.8	370.8	371.5	370.8	370.8	
44.5°	368.0	367.5	367.2	367.5	367.4	367.5	367.2	367.5	368.0	367.5	367.2



66.5°	186.6	186.5	186.4	186.5	186.7	186.5	186.4	186.5	186.6	186.5	186.4
67°	182.0	181.9	181.9	181.9	182.1	181.9	181.9	181.9	182.0	181.9	181.9



89°	5.3	5.2	5.2	5.2	5.5	5.2	5.2	5.2	5.3	5.2	5.2
89.5°	4.0	4.1	4.0	4.1	4.2	4.1	4.0	4.1	4.0	4.1	4.0

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

Scaled Data Report





21.5°	492.1	492.2	492.1	492.5	492.1	492.0
22°	490.2	490.3	490.2	490.8	489.9	490.7



44°	370.9	370.9	370.9	370.8	370.8	371.5
44.5°	367.5	367.4	367.5	367.2	367.5	368.0



66.5°	186.5	186.7	186.5	186.4	186.5	186.6
67°	181.9	182.1	181.9	181.9	181.9	182.0



89°	5.2	5.5	5.2	5.2	5.2	5.3
89.5°	4.1	4.2	4.1	4.0	4.1	4.0

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

Scaled Data Report



(END OF REPORT)