

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: P938643

Luminaire Tested: SMX8RLSFSD2W-1200LM-3500K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938643
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-1200LM-3500K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3500K CCT
Ballast/Driver: -

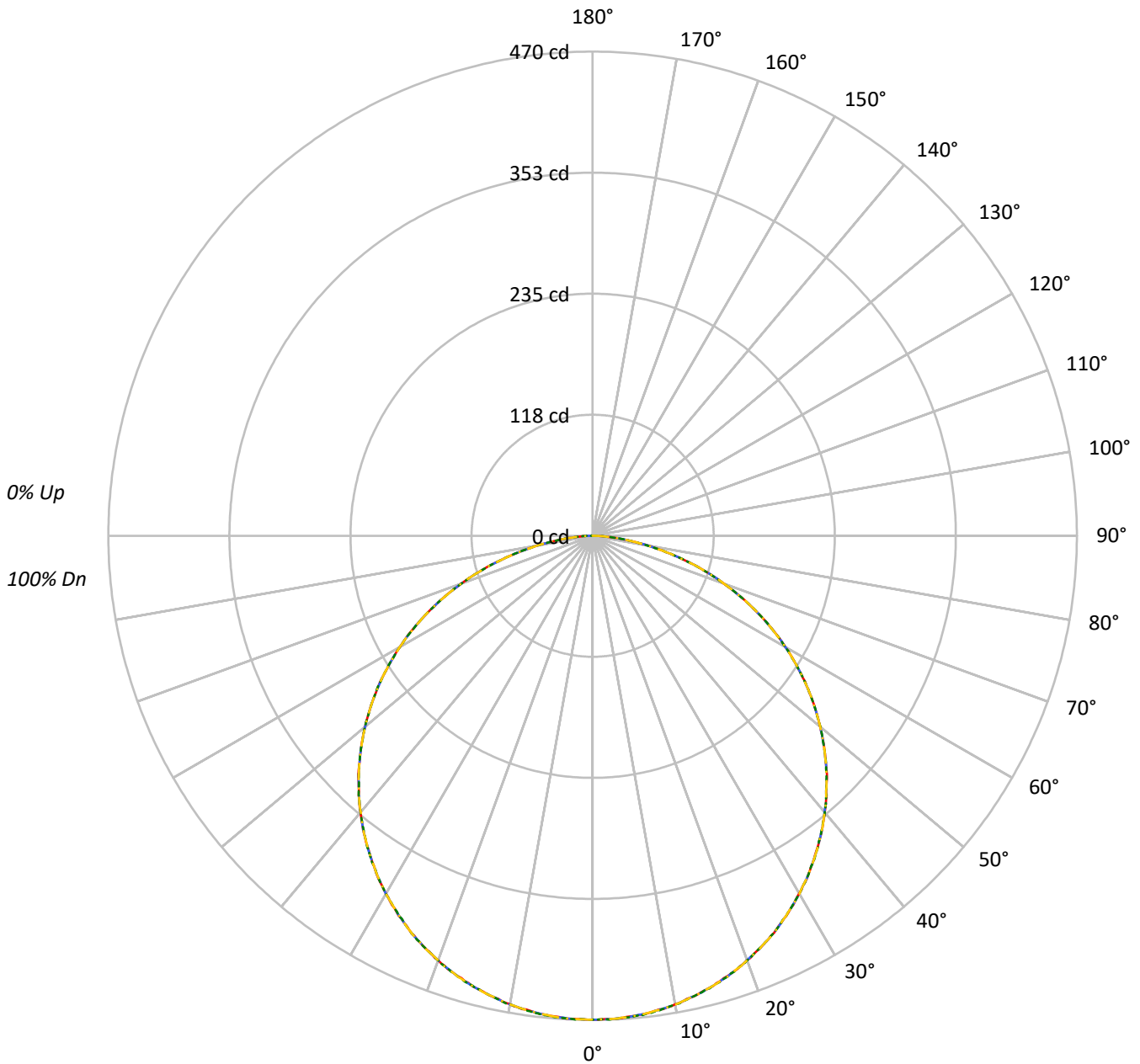
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1374.9 lumens
Efficiency: N/A
Efficacy: 103.4 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): 13.3
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

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Luminous Intensity Polar Plot





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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°	11444	11444	11444	11444
5°	11444	11446	11444	11446
10°	11423	11428	11423	11428
15°	11414	11401	11414	11401
20°	11364	11372	11364	11372
25°	11339	11342	11339	11342
30°	11284	11290	11284	11290
35°	11213	11222	11213	11222
40°	11151	11148	11151	11148
45°	11061	11040	11061	11040
50°	10924	10935	10924	10935
55°	10768	10781	10768	10781
60°	10530	10521	10530	10521
65°	10181	10187	10181	10187
70°	9653	9646	9653	9646
75°	8821	8839	8821	8839
80°	7549	7563	7549	7563
85°	5703	5759	5703	5759

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11061 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	3.2
10°-20°	127.6	9.3
20°-30°	194.3	14.1
30°-40°	236.0	17.2
40°-50°	247.3	18.0
50°-60°	226.3	16.5
60°-70°	174.5	12.7
70°-80°	99.2	7.2
80°-90°	25.1	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°	366.4	26.7
0°-40°	602.4	43.8
0°-60°	1076.0	78.3
0°-90°	1374.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	470	470	470	470	470	
5°	468	468	468	468	468	44
15°	452	452	452	452	452	128
25°	422	422	422	422	422	194
35°	377	377	377	377	377	236
45°	321	320	321	320	321	247
55°	254	254	254	254	254	226
65°	177	177	177	177	177	175
75°	94	94	94	94	94	99
85°	20	21	20	21	20	25
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°	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7
0.5°	469.9	469.3	469.8	470.2	469.6	470.2	469.8	469.3	469.9	469.3	469.8
1°	469.4	469.4	469.6	469.8	469.6	469.8	469.6	469.4	469.4	469.4	469.6
1.5°	469.4	469.4	469.6	469.6	469.4	469.6	469.6	469.4	469.4	469.4	469.6
2°	469.4	469.4	469.5	469.5	470.0	469.5	469.5	469.4	469.4	469.4	469.5
2.5°	469.4	469.1	469.4	469.3	469.3	469.3	469.4	469.1	469.4	469.1	469.4
3°	469.2	468.9	469.3	468.9	469.2	468.9	469.3	468.9	469.2	468.9	469.3
3.5°	468.9	468.5	468.6	469.0	469.0	469.0	468.6	468.5	468.9	468.5	468.6
4°	468.2	468.4	468.7	468.3	468.7	468.3	468.7	468.4	468.2	468.4	468.7
4.5°	468.0	468.2	468.4	468.3	468.7	468.3	468.4	468.2	468.0	468.2	468.4
5°	467.9	467.7	467.8	467.8	468.0	467.8	467.8	467.7	467.9	467.7	467.8
5.5°	467.5	467.0	467.1	467.5	467.6	467.5	467.1	467.0	467.5	467.0	467.1
6°	467.0	466.6	467.1	466.7	467.7	466.7	467.1	466.6	467.0	466.6	467.1
6.5°	466.7	466.3	466.5	466.3	466.6	466.3	466.5	466.3	466.7	466.3	466.5
7°	465.9	465.7	465.9	465.9	466.6	465.9	465.9	465.7	465.9	465.7	465.9
7.5°	465.1	465.3	465.1	465.5	465.6	465.5	465.1	465.3	465.1	465.3	465.1
8°	464.4	464.8	464.7	464.4	465.3	464.4	464.7	464.8	464.4	464.8	464.7
8.5°	464.6	464.0	464.1	463.6	464.1	463.6	464.1	464.0	464.6	464.0	464.1
9°	463.4	463.5	463.5	463.5	463.7	463.5	463.5	463.5	463.4	463.5	463.5
9.5°	463.0	462.3	462.5	462.5	462.6	462.5	462.5	462.3	463.0	462.3	462.5
10°	461.7	461.9	462.0	462.2	461.9	462.2	462.0	461.9	461.7	461.9	462.0
10.5°	461.3	460.6	461.2	461.2	461.8	461.2	461.2	460.6	461.3	460.6	461.2
11°	460.5	459.8	460.0	460.4	460.4	460.4	460.0	459.8	460.5	459.8	460.0
11.5°	458.8	459.2	459.4	459.5	459.3	459.5	459.4	459.2	458.8	459.2	459.4
12°	458.3	458.5	458.0	458.1	458.2	458.1	458.0	458.5	458.3	458.5	458.0
12.5°	457.5	457.4	457.4	457.5	457.5	457.5	457.4	457.4	457.5	457.4	457.4
13°	456.5	456.7	456.6	456.4	456.3	456.4	456.6	456.7	456.5	456.7	456.6
13.5°	455.2	455.3	455.6	455.6	455.5	455.6	455.6	455.3	455.2	455.3	455.6
14°	454.1	454.5	454.2	454.6	453.9	454.6	454.2	454.5	454.1	454.5	454.2
14.5°	453.2	453.1	453.2	453.2	453.7	453.2	453.2	453.1	453.2	453.1	453.2
15°	452.5	451.8	452.2	452.0	452.0	452.0	452.2	451.8	452.5	451.8	452.2
15.5°	450.6	450.6	451.0	450.9	451.1	450.9	451.0	450.6	450.6	450.6	451.0
16°	449.7	449.6	449.7	450.0	450.3	450.0	449.7	449.6	449.7	449.6	449.7
16.5°	448.0	448.3	448.3	448.3	448.5	448.3	448.3	448.3	448.0	448.3	448.3
17°	447.2	446.9	447.6	446.9	447.4	446.9	447.6	446.9	447.2	446.9	447.6
17.5°	445.8	445.5	445.8	446.0	445.7	446.0	445.8	445.5	445.8	445.5	445.8
18°	444.4	444.4	444.5	444.4	444.9	444.4	444.5	444.4	444.4	444.4	444.5
18.5°	443.4	443.0	443.0	443.1	443.0	443.1	443.0	443.0	443.4	443.0	443.0
19°	441.5	441.6	441.9	441.4	441.8	441.4	441.9	441.6	441.5	441.6	441.9
19.5°	440.3	440.1	440.1	440.2	440.5	440.2	440.1	440.1	440.3	440.1	440.1
20°	438.3	438.2	438.7	438.5	438.6	438.5	438.7	438.2	438.3	438.2	438.7
20.5°	437.4	437.1	436.8	437.0	437.3	437.0	436.8	437.1	437.4	437.1	436.8
21°	435.2	435.7	435.4	435.6	435.4	435.6	435.4	435.7	435.2	435.7	435.4



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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°	430.7	430.6	430.5	430.7	430.9	430.7	430.5	430.6	430.7	430.6	430.5
23°	428.9	428.7	428.8	429.0	428.6	429.0	428.8	428.7	428.9	428.7	428.8
23.5°	427.4	427.0	427.2	427.3	427.6	427.3	427.2	427.0	427.4	427.0	427.2
24°	425.1	425.2	425.7	425.2	425.5	425.2	425.7	425.2	425.1	425.2	425.7
24.5°	423.9	423.3	423.7	423.4	423.8	423.4	423.7	423.3	423.9	423.3	423.7
25°	421.8	421.7	421.9	421.7	421.9	421.7	421.9	421.7	421.8	421.7	421.9
25.5°	419.6	419.3	419.8	419.6	419.9	419.6	419.8	419.3	419.6	419.3	419.8
26°	417.8	417.8	417.7	417.8	417.7	417.8	417.7	417.8	417.8	417.8	417.7
26.5°	415.6	415.6	415.6	415.8	415.4	415.8	415.6	415.6	415.6	415.6	415.6
27°	414.2	414.0	413.9	413.7	414.2	413.7	413.9	414.0	414.2	414.0	413.9
27.5°	411.8	411.4	411.7	411.7	411.4	411.7	411.7	411.4	411.8	411.4	411.7
28°	409.5	409.7	409.7	410.0	409.7	410.0	409.7	409.7	409.5	409.7	409.7
28.5°	408.1	407.6	407.5	407.3	407.5	407.3	407.5	407.6	408.1	407.6	407.5
29°	405.6	405.5	405.5	405.6	405.3	405.6	405.5	405.5	405.6	405.5	405.5
29.5°	403.1	402.9	403.2	403.0	403.3	403.0	403.2	402.9	403.1	402.9	403.2
30°	401.1	401.0	401.3	401.1	401.3	401.1	401.3	401.0	401.1	401.0	401.3
30.5°	399.2	398.5	398.8	399.0	399.0	399.0	398.8	398.5	399.2	398.5	398.8
31°	396.5	396.6	396.4	396.5	396.5	396.5	396.4	396.6	396.5	396.6	396.4
31.5°	394.5	394.2	394.3	394.3	394.6	394.3	394.3	394.2	394.5	394.2	394.3
32°	392.4	391.9	392.2	391.9	391.9	391.9	392.2	391.9	392.4	391.9	392.2
32.5°	389.8	389.6	389.7	389.6	389.9	389.6	389.7	389.6	389.8	389.6	389.7
33°	387.2	386.9	387.2	387.3	386.9	387.3	387.2	386.9	387.2	386.9	387.2
33.5°	384.4	384.8	384.4	384.6	384.5	384.6	384.4	384.8	384.4	384.8	384.4
34°	382.3	382.4	382.3	382.0	382.6	382.0	382.3	382.4	382.3	382.4	382.3
34.5°	379.6	379.8	379.9	379.9	380.1	379.9	379.9	379.8	379.6	379.8	379.9
35°	377.0	377.4	377.4	377.4	377.3	377.4	377.4	377.4	377.0	377.4	377.4
35.5°	374.6	374.6	375.0	374.6	374.8	374.6	375.0	374.6	374.6	374.6	375.0
36°	372.0	371.9	372.2	372.0	372.5	372.0	372.2	371.9	372.0	371.9	372.2
36.5°	369.7	369.6	369.4	369.6	369.3	369.6	369.4	369.6	369.7	369.6	369.4
37°	366.9	366.4	366.9	366.6	366.8	366.6	366.9	366.4	366.9	366.4	366.9
37.5°	364.5	363.9	364.3	364.2	364.2	364.2	364.3	363.9	364.5	363.9	364.3
38°	361.9	361.4	361.8	361.5	361.4	361.5	361.8	361.4	361.9	361.4	361.8
38.5°	358.9	358.8	359.1	359.0	358.7	359.0	359.1	358.8	358.9	358.8	359.1
39°	356.1	356.4	356.0	356.1	355.9	356.1	356.0	356.4	356.1	356.4	356.0
39.5°	353.5	353.3	353.0	353.1	353.5	353.1	353.0	353.3	353.5	353.3	353.0
40°	350.6	350.4	350.1	350.5	350.5	350.5	350.1	350.4	350.6	350.4	350.1
40.5°	347.9	347.4	347.5	347.6	347.8	347.6	347.5	347.4	347.9	347.4	347.5
41°	344.9	344.4	345.1	344.7	345.0	344.7	345.1	344.4	344.9	344.4	345.1
41.5°	341.9	341.7	341.8	341.7	341.6	341.7	341.8	341.7	341.9	341.7	341.8
42°	339.3	338.6	338.8	338.8	339.2	338.8	338.8	338.6	339.3	338.6	338.8
42.5°	335.9	335.9	335.6	335.9	336.0	335.9	335.6	335.9	335.9	335.9	335.6
43°	332.8	332.9	332.9	332.8	332.7	332.8	332.9	332.9	332.8	332.9	332.9
43.5°	329.8	329.7	329.7	329.9	329.6	329.9	329.7	329.7	329.8	329.7	329.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	321.0	320.6	320.6	320.5	320.4	320.5	320.6	320.6	321.0	320.6	320.6
45.5°	317.8	317.5	317.6	317.4	317.6	317.4	317.6	317.5	317.8	317.5	317.6
46°	314.3	314.4	314.2	314.2	314.7	314.2	314.2	314.4	314.3	314.4	314.2
46.5°	311.3	311.3	311.1	311.1	311.4	311.1	311.1	311.3	311.3	311.3	311.1
47°	308.1	308.0	307.9	307.9	308.1	307.9	307.9	308.0	308.1	308.0	307.9
47.5°	304.8	304.7	304.8	304.7	304.7	304.7	304.8	304.7	304.8	304.7	304.8
48°	301.6	301.5	301.5	301.4	301.5	301.4	301.5	301.5	301.6	301.5	301.5
48.5°	298.3	298.3	298.2	298.2	298.0	298.2	298.2	298.3	298.3	298.3	298.2
49°	294.9	295.0	294.9	294.8	295.1	294.8	294.9	295.0	294.9	295.0	294.9
49.5°	291.6	291.7	291.5	291.5	291.7	291.5	291.5	291.7	291.6	291.7	291.5
50°	288.2	288.3	288.2	288.2	288.5	288.2	288.2	288.3	288.2	288.3	288.2
50.5°	285.0	284.8	284.8	284.7	285.0	284.7	284.8	284.8	285.0	284.8	284.8
51°	281.5	281.3	281.5	281.2	281.3	281.2	281.5	281.3	281.5	281.3	281.5
51.5°	278.1	278.1	277.9	277.9	277.8	277.9	277.9	278.1	278.1	278.1	277.9
52°	274.7	274.6	274.5	274.6	274.6	274.6	274.5	274.6	274.7	274.6	274.5
52.5°	271.4	271.0	271.2	271.4	271.1	271.4	271.2	271.0	271.4	271.0	271.2
53°	267.7	267.7	267.7	267.5	267.8	267.5	267.7	267.7	267.7	267.7	267.7
53.5°	264.3	264.2	264.2	264.0	264.0	264.0	264.2	264.2	264.3	264.2	264.2
54°	260.4	260.4	260.7	260.6	260.5	260.6	260.7	260.4	260.4	260.4	260.7
54.5°	257.1	256.8	257.1	256.7	257.3	256.7	257.1	256.8	257.1	256.8	257.1
55°	253.5	253.4	253.3	253.2	253.8	253.2	253.3	253.4	253.5	253.4	253.3
55.5°	250.1	249.8	249.7	249.5	249.6	249.5	249.7	249.8	250.1	249.8	249.7
56°	246.0	246.1	246.1	246.0	246.1	246.0	246.1	246.1	246.0	246.1	246.1
56.5°	242.5	242.5	242.4	242.4	242.4	242.4	242.4	242.5	242.5	242.5	242.4
57°	238.3	238.4	238.7	238.5	238.5	238.5	238.7	238.4	238.3	238.4	238.7
57.5°	234.9	234.9	234.9	234.7	235.1	234.7	234.9	234.9	234.9	234.9	234.9
58°	231.2	231.4	231.2	231.1	231.3	231.1	231.2	231.4	231.2	231.4	231.2
58.5°	227.6	227.7	227.4	227.5	227.2	227.5	227.4	227.7	227.6	227.7	227.4
59°	223.7	223.7	223.7	223.6	223.8	223.6	223.7	223.7	223.7	223.7	223.7
59.5°	220.1	220.1	219.9	219.6	220.1	219.6	219.9	220.1	220.1	220.1	219.9
60°	216.1	216.1	216.2	216.2	215.9	216.2	216.2	216.1	216.1	216.1	216.2
60.5°	212.2	212.4	212.3	212.4	212.0	212.4	212.3	212.4	212.2	212.4	212.3
61°	208.5	208.5	208.5	208.3	208.5	208.3	208.5	208.5	208.5	208.5	208.5
61.5°	204.7	204.7	204.4	204.6	204.7	204.6	204.4	204.7	204.7	204.7	204.4
62°	200.8	200.7	200.5	200.5	200.5	200.5	200.5	200.7	200.8	200.7	200.5
62.5°	196.8	196.8	196.6	196.5	196.6	196.5	196.6	196.8	196.8	196.8	196.6
63°	192.5	192.7	192.8	192.7	192.7	192.7	192.8	192.7	192.5	192.7	192.8
63.5°	188.8	188.7	188.7	188.7	188.8	188.7	188.7	188.7	188.8	188.7	188.7
64°	184.7	184.5	184.7	184.8	184.8	184.8	184.7	184.5	184.7	184.5	184.7
64.5°	181.0	180.8	180.8	180.4	180.8	180.4	180.8	180.8	181.0	180.8	180.8
65°	176.6	176.7	176.6	176.4	176.7	176.4	176.6	176.7	176.6	176.7	176.6
65.5°	172.4	172.6	172.6	172.6	172.6	172.6	172.6	172.6	172.4	172.6	172.6
66°	168.4	168.7	168.4	168.4	168.5	168.4	168.4	168.7	168.4	168.7	168.4



TEST NUMBER: P938643

CATALOG NUMBER: SMX8RLSFS2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	156.2	156.2	156.3	156.0	156.0	156.0	156.3	156.2	156.2	156.2	156.3
68°	152.3	152.3	152.0	151.9	152.1	151.9	152.0	152.3	152.3	152.3	152.0
68.5°	148.0	148.1	148.0	148.1	148.3	148.1	148.0	148.1	148.0	148.1	148.0
69°	143.9	143.8	143.9	144.0	144.0	144.0	143.9	143.8	143.9	143.8	143.9
69.5°	139.5	139.6	139.7	139.7	139.8	139.7	139.7	139.6	139.5	139.6	139.7
70°	135.5	135.7	135.5	135.5	135.4	135.5	135.5	135.7	135.5	135.7	135.5
70.5°	131.6	131.5	131.3	131.5	131.4	131.5	131.3	131.5	131.6	131.5	131.3
71°	127.4	127.3	127.4	127.2	127.2	127.2	127.4	127.3	127.4	127.3	127.4
71.5°	123.2	123.2	123.1	123.1	123.0	123.1	123.1	123.2	123.2	123.2	123.1
72°	119.0	119.0	118.9	118.9	118.9	118.9	118.9	119.0	119.0	119.0	118.9
72.5°	114.8	114.8	114.8	114.6	114.8	114.6	114.8	114.8	114.8	114.8	114.8
73°	110.4	110.4	110.4	110.6	110.4	110.6	110.4	110.4	110.4	110.4	110.4
73.5°	106.4	106.4	106.4	106.3	106.3	106.3	106.4	106.4	106.4	106.4	106.4
74°	102.2	102.2	102.2	102.1	102.2	102.1	102.2	102.2	102.2	102.2	102.2
74.5°	98.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	97.9	97.9
75°	93.7	93.9	93.7	93.8	93.9	93.8	93.7	93.9	93.7	93.9	93.7
75.5°	89.7	89.6	89.6	89.5	89.5	89.5	89.6	89.6	89.7	89.6	89.6
76°	85.7	85.6	85.5	85.5	85.6	85.5	85.5	85.6	85.7	85.6	85.5
76.5°	81.6	81.5	81.5	81.5	81.7	81.5	81.5	81.5	81.6	81.5	81.5
77°	77.6	77.6	77.4	77.5	77.5	77.5	77.4	77.6	77.6	77.6	77.4
77.5°	73.4	73.5	73.4	73.4	73.4	73.4	73.4	73.5	73.4	73.5	73.4
78°	69.4	69.5	69.4	69.5	69.6	69.5	69.4	69.5	69.4	69.5	69.4
78.5°	65.5	65.5	65.4	65.4	65.6	65.4	65.4	65.5	65.5	65.5	65.4
79°	61.4	61.6	61.4	61.4	61.5	61.4	61.4	61.6	61.4	61.6	61.4
79.5°	57.8	57.7	57.6	57.6	57.8	57.6	57.6	57.7	57.8	57.7	57.6
80°	53.8	53.8	53.8	53.9	53.9	53.9	53.8	53.8	53.8	53.8	53.8
80.5°	50.2	50.2	50.2	50.2	50.1	50.2	50.2	50.2	50.2	50.2	50.2
81°	46.5	46.6	46.5	46.5	46.6	46.5	46.5	46.6	46.5	46.6	46.5
81.5°	43.0	43.0	43.0	42.9	43.0	42.9	43.0	43.0	43.0	43.0	43.0
82°	39.6	39.6	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6	39.5
82.5°	36.1	36.1	36.1	36.0	36.1	36.0	36.1	36.1	36.1	36.1	36.1
83°	32.7	32.7	32.7	32.6	32.7	32.6	32.7	32.7	32.7	32.7	32.7
83.5°	29.5	29.5	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.4
84°	26.3	26.4	26.3	26.2	26.3	26.2	26.3	26.4	26.3	26.4	26.3
84.5°	23.5	23.5	23.3	23.4	23.4	23.4	23.3	23.5	23.5	23.5	23.3
85°	20.4	20.5	20.5	20.5	20.6	20.5	20.5	20.5	20.4	20.5	20.5
85.5°	17.7	17.7	17.8	17.9	18.0	17.9	17.8	17.7	17.7	17.7	17.8
86°	15.2	15.2	15.3	15.4	15.5	15.4	15.3	15.2	15.2	15.2	15.3
86.5°	13.0	13.0	12.9	13.0	13.6	13.0	12.9	13.0	13.0	13.0	12.9
87°	10.8	10.9	10.9	10.9	11.1	10.9	10.9	10.9	10.8	10.9	10.9
87.5°	8.9	8.8	8.9	9.1	9.3	9.1	8.9	8.8	8.9	8.8	8.9
88°	7.2	7.2	7.3	7.4	7.5	7.4	7.3	7.2	7.2	7.2	7.3
88.5°	5.8	5.8	5.8	5.8	6.0	5.8	5.8	5.8	5.8	5.8	5.8



TEST NUMBER: P938643
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3500K

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: P938643

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	469.7	469.7	469.7	469.7	469.7	469.7
0.5°	470.2	469.6	470.2	469.8	469.3	469.9
1°	469.8	469.6	469.8	469.6	469.4	469.4
1.5°	469.6	469.4	469.6	469.6	469.4	469.4
2°	469.5	470.0	469.5	469.5	469.4	469.4
2.5°	469.3	469.3	469.3	469.4	469.1	469.4
3°	468.9	469.2	468.9	469.3	468.9	469.2
3.5°	469.0	469.0	469.0	468.6	468.5	468.9
4°	468.3	468.7	468.3	468.7	468.4	468.2
4.5°	468.3	468.7	468.3	468.4	468.2	468.0
5°	467.8	468.0	467.8	467.8	467.7	467.9
5.5°	467.5	467.6	467.5	467.1	467.0	467.5
6°	466.7	467.7	466.7	467.1	466.6	467.0
6.5°	466.3	466.6	466.3	466.5	466.3	466.7
7°	465.9	466.6	465.9	465.9	465.7	465.9
7.5°	465.5	465.6	465.5	465.1	465.3	465.1
8°	464.4	465.3	464.4	464.7	464.8	464.4
8.5°	463.6	464.1	463.6	464.1	464.0	464.6
9°	463.5	463.7	463.5	463.5	463.5	463.4
9.5°	462.5	462.6	462.5	462.5	462.3	463.0
10°	462.2	461.9	462.2	462.0	461.9	461.7
10.5°	461.2	461.8	461.2	461.2	460.6	461.3
11°	460.4	460.4	460.4	460.0	459.8	460.5
11.5°	459.5	459.3	459.5	459.4	459.2	458.8
12°	458.1	458.2	458.1	458.0	458.5	458.3
12.5°	457.5	457.5	457.5	457.4	457.4	457.5
13°	456.4	456.3	456.4	456.6	456.7	456.5
13.5°	455.6	455.5	455.6	455.6	455.3	455.2
14°	454.6	453.9	454.6	454.2	454.5	454.1
14.5°	453.2	453.7	453.2	453.2	453.1	453.2
15°	452.0	452.0	452.0	452.2	451.8	452.5
15.5°	450.9	451.1	450.9	451.0	450.6	450.6
16°	450.0	450.3	450.0	449.7	449.6	449.7
16.5°	448.3	448.5	448.3	448.3	448.3	448.0
17°	446.9	447.4	446.9	447.6	446.9	447.2
17.5°	446.0	445.7	446.0	445.8	445.5	445.8
18°	444.4	444.9	444.4	444.5	444.4	444.4
18.5°	443.1	443.0	443.1	443.0	443.0	443.4
19°	441.4	441.8	441.4	441.9	441.6	441.5
19.5°	440.2	440.5	440.2	440.1	440.1	440.3
20°	438.5	438.6	438.5	438.7	438.2	438.3
20.5°	437.0	437.3	437.0	436.8	437.1	437.4
21°	435.6	435.4	435.6	435.4	435.7	435.2

TEST NUMBER: P938643

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	430.7	430.9	430.7	430.5	430.6	430.7
23°	429.0	428.6	429.0	428.8	428.7	428.9
23.5°	427.3	427.6	427.3	427.2	427.0	427.4
24°	425.2	425.5	425.2	425.7	425.2	425.1
24.5°	423.4	423.8	423.4	423.7	423.3	423.9
25°	421.7	421.9	421.7	421.9	421.7	421.8
25.5°	419.6	419.9	419.6	419.8	419.3	419.6
26°	417.8	417.7	417.8	417.7	417.8	417.8
26.5°	415.8	415.4	415.8	415.6	415.6	415.6
27°	413.7	414.2	413.7	413.9	414.0	414.2
27.5°	411.7	411.4	411.7	411.7	411.4	411.8
28°	410.0	409.7	410.0	409.7	409.7	409.5
28.5°	407.3	407.5	407.3	407.5	407.6	408.1
29°	405.6	405.3	405.6	405.5	405.5	405.6
29.5°	403.0	403.3	403.0	403.2	402.9	403.1
30°	401.1	401.3	401.1	401.3	401.0	401.1
30.5°	399.0	399.0	399.0	398.8	398.5	399.2
31°	396.5	396.5	396.5	396.4	396.6	396.5
31.5°	394.3	394.6	394.3	394.3	394.2	394.5
32°	391.9	391.9	391.9	392.2	391.9	392.4
32.5°	389.6	389.9	389.6	389.7	389.6	389.8
33°	387.3	386.9	387.3	387.2	386.9	387.2
33.5°	384.6	384.5	384.6	384.4	384.8	384.4
34°	382.0	382.6	382.0	382.3	382.4	382.3
34.5°	379.9	380.1	379.9	379.9	379.8	379.6
35°	377.4	377.3	377.4	377.4	377.4	377.0
35.5°	374.6	374.8	374.6	375.0	374.6	374.6
36°	372.0	372.5	372.0	372.2	371.9	372.0
36.5°	369.6	369.3	369.6	369.4	369.6	369.7
37°	366.6	366.8	366.6	366.9	366.4	366.9
37.5°	364.2	364.2	364.2	364.3	363.9	364.5
38°	361.5	361.4	361.5	361.8	361.4	361.9
38.5°	359.0	358.7	359.0	359.1	358.8	358.9
39°	356.1	355.9	356.1	356.0	356.4	356.1
39.5°	353.1	353.5	353.1	353.0	353.3	353.5
40°	350.5	350.5	350.5	350.1	350.4	350.6
40.5°	347.6	347.8	347.6	347.5	347.4	347.9
41°	344.7	345.0	344.7	345.1	344.4	344.9
41.5°	341.7	341.6	341.7	341.8	341.7	341.9
42°	338.8	339.2	338.8	338.8	338.6	339.3
42.5°	335.9	336.0	335.9	335.6	335.9	335.9
43°	332.8	332.7	332.8	332.9	332.9	332.8
43.5°	329.9	329.6	329.9	329.7	329.7	329.8

TEST NUMBER: P938643

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	320.5	320.4	320.5	320.6	320.6	321.0
45.5°	317.4	317.6	317.4	317.6	317.5	317.8
46°	314.2	314.7	314.2	314.2	314.4	314.3
46.5°	311.1	311.4	311.1	311.1	311.3	311.3
47°	307.9	308.1	307.9	307.9	308.0	308.1
47.5°	304.7	304.7	304.7	304.8	304.7	304.8
48°	301.4	301.5	301.4	301.5	301.5	301.6
48.5°	298.2	298.0	298.2	298.2	298.3	298.3
49°	294.8	295.1	294.8	294.9	295.0	294.9
49.5°	291.5	291.7	291.5	291.5	291.7	291.6
50°	288.2	288.5	288.2	288.2	288.3	288.2
50.5°	284.7	285.0	284.7	284.8	284.8	285.0
51°	281.2	281.3	281.2	281.5	281.3	281.5
51.5°	277.9	277.8	277.9	277.9	278.1	278.1
52°	274.6	274.6	274.6	274.5	274.6	274.7
52.5°	271.4	271.1	271.4	271.2	271.0	271.4
53°	267.5	267.8	267.5	267.7	267.7	267.7
53.5°	264.0	264.0	264.0	264.2	264.2	264.3
54°	260.6	260.5	260.6	260.7	260.4	260.4
54.5°	256.7	257.3	256.7	257.1	256.8	257.1
55°	253.2	253.8	253.2	253.3	253.4	253.5
55.5°	249.5	249.6	249.5	249.7	249.8	250.1
56°	246.0	246.1	246.0	246.1	246.1	246.0
56.5°	242.4	242.4	242.4	242.4	242.5	242.5
57°	238.5	238.5	238.5	238.7	238.4	238.3
57.5°	234.7	235.1	234.7	234.9	234.9	234.9
58°	231.1	231.3	231.1	231.2	231.4	231.2
58.5°	227.5	227.2	227.5	227.4	227.7	227.6
59°	223.6	223.8	223.6	223.7	223.7	223.7
59.5°	219.6	220.1	219.6	219.9	220.1	220.1
60°	216.2	215.9	216.2	216.2	216.1	216.1
60.5°	212.4	212.0	212.4	212.3	212.4	212.2
61°	208.3	208.5	208.3	208.5	208.5	208.5
61.5°	204.6	204.7	204.6	204.4	204.7	204.7
62°	200.5	200.5	200.5	200.5	200.7	200.8
62.5°	196.5	196.6	196.5	196.6	196.8	196.8
63°	192.7	192.7	192.7	192.8	192.7	192.5
63.5°	188.7	188.8	188.7	188.7	188.7	188.8
64°	184.8	184.8	184.8	184.7	184.5	184.7
64.5°	180.4	180.8	180.4	180.8	180.8	181.0
65°	176.4	176.7	176.4	176.6	176.7	176.6
65.5°	172.6	172.6	172.6	172.6	172.6	172.4
66°	168.4	168.5	168.4	168.4	168.7	168.4



TEST NUMBER: P938643

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	156.0	156.0	156.0	156.3	156.2	156.2
68°	151.9	152.1	151.9	152.0	152.3	152.3
68.5°	148.1	148.3	148.1	148.0	148.1	148.0
69°	144.0	144.0	144.0	143.9	143.8	143.9
69.5°	139.7	139.8	139.7	139.7	139.6	139.5
70°	135.5	135.4	135.5	135.5	135.7	135.5
70.5°	131.5	131.4	131.5	131.3	131.5	131.6
71°	127.2	127.2	127.2	127.4	127.3	127.4
71.5°	123.1	123.0	123.1	123.1	123.2	123.2
72°	118.9	118.9	118.9	118.9	119.0	119.0
72.5°	114.6	114.8	114.6	114.8	114.8	114.8
73°	110.6	110.4	110.6	110.4	110.4	110.4
73.5°	106.3	106.3	106.3	106.4	106.4	106.4
74°	102.1	102.2	102.1	102.2	102.2	102.2
74.5°	97.9	97.9	97.9	97.9	97.9	98.0
75°	93.8	93.9	93.8	93.7	93.9	93.7
75.5°	89.5	89.5	89.5	89.6	89.6	89.7
76°	85.5	85.6	85.5	85.5	85.6	85.7
76.5°	81.5	81.7	81.5	81.5	81.5	81.6
77°	77.5	77.5	77.5	77.4	77.6	77.6
77.5°	73.4	73.4	73.4	73.4	73.5	73.4
78°	69.5	69.6	69.5	69.4	69.5	69.4
78.5°	65.4	65.6	65.4	65.4	65.5	65.5
79°	61.4	61.5	61.4	61.4	61.6	61.4
79.5°	57.6	57.8	57.6	57.6	57.7	57.8
80°	53.9	53.9	53.9	53.8	53.8	53.8
80.5°	50.2	50.1	50.2	50.2	50.2	50.2
81°	46.5	46.6	46.5	46.5	46.6	46.5
81.5°	42.9	43.0	42.9	43.0	43.0	43.0
82°	39.5	39.5	39.5	39.5	39.6	39.6
82.5°	36.0	36.1	36.0	36.1	36.1	36.1
83°	32.6	32.7	32.6	32.7	32.7	32.7
83.5°	29.4	29.4	29.4	29.4	29.5	29.5
84°	26.2	26.3	26.2	26.3	26.4	26.3
84.5°	23.4	23.4	23.4	23.3	23.5	23.5
85°	20.5	20.6	20.5	20.5	20.5	20.4
85.5°	17.9	18.0	17.9	17.8	17.7	17.7
86°	15.4	15.5	15.4	15.3	15.2	15.2
86.5°	13.0	13.6	13.0	12.9	13.0	13.0
87°	10.9	11.1	10.9	10.9	10.9	10.8
87.5°	9.1	9.3	9.1	8.9	8.8	8.9
88°	7.4	7.5	7.4	7.3	7.2	7.2
88.5°	5.8	6.0	5.8	5.8	5.8	5.8



TEST NUMBER: P938643
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3500K

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°	433.6	433.7	434.1	433.7	433.8	433.7	434.1	433.7	433.6	433.7	434.1
22°	432.5	431.8	432.6	432.1	432.1	432.1	432.6	431.8	432.5	431.8	432.6



44°	327.4	326.8	326.8	326.8	326.8	326.8	326.8	326.8	327.4	326.8	326.8
44.5°	324.3	323.9	323.6	323.9	323.8	323.9	323.6	323.9	324.3	323.9	323.6



66.5°	164.5	164.4	164.3	164.4	164.6	164.4	164.3	164.4	164.5	164.4	164.3
67°	160.4	160.3	160.3	160.3	160.4	160.3	160.3	160.3	160.4	160.3	160.3



89°	4.6	4.6	4.6	4.6	4.8	4.6	4.6	4.6	4.6	4.6	4.6
89.5°	3.5	3.6	3.5	3.6	3.7	3.6	3.5	3.6	3.5	3.6	3.5

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21.5°	433.7	433.8	433.7	434.1	433.7	433.6
22°	432.1	432.1	432.1	432.6	431.8	432.5



44°	326.8	326.8	326.8	326.8	326.8	327.4
44.5°	323.9	323.8	323.9	323.6	323.9	324.3



66.5°	164.4	164.6	164.4	164.3	164.4	164.5
67°	160.3	160.4	160.3	160.3	160.3	160.4



89°	4.6	4.8	4.6	4.6	4.6	4.6
89.5°	3.6	3.7	3.6	3.5	3.6	3.5

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(END OF REPORT)