

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: P938642

Luminaire Tested: SMX8RLSFSD2W-1200LM-3000K

Issue Date: 1/9/2025



Test Information

Test Method: LM-79-2019
Report Number: P938642
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-3000K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

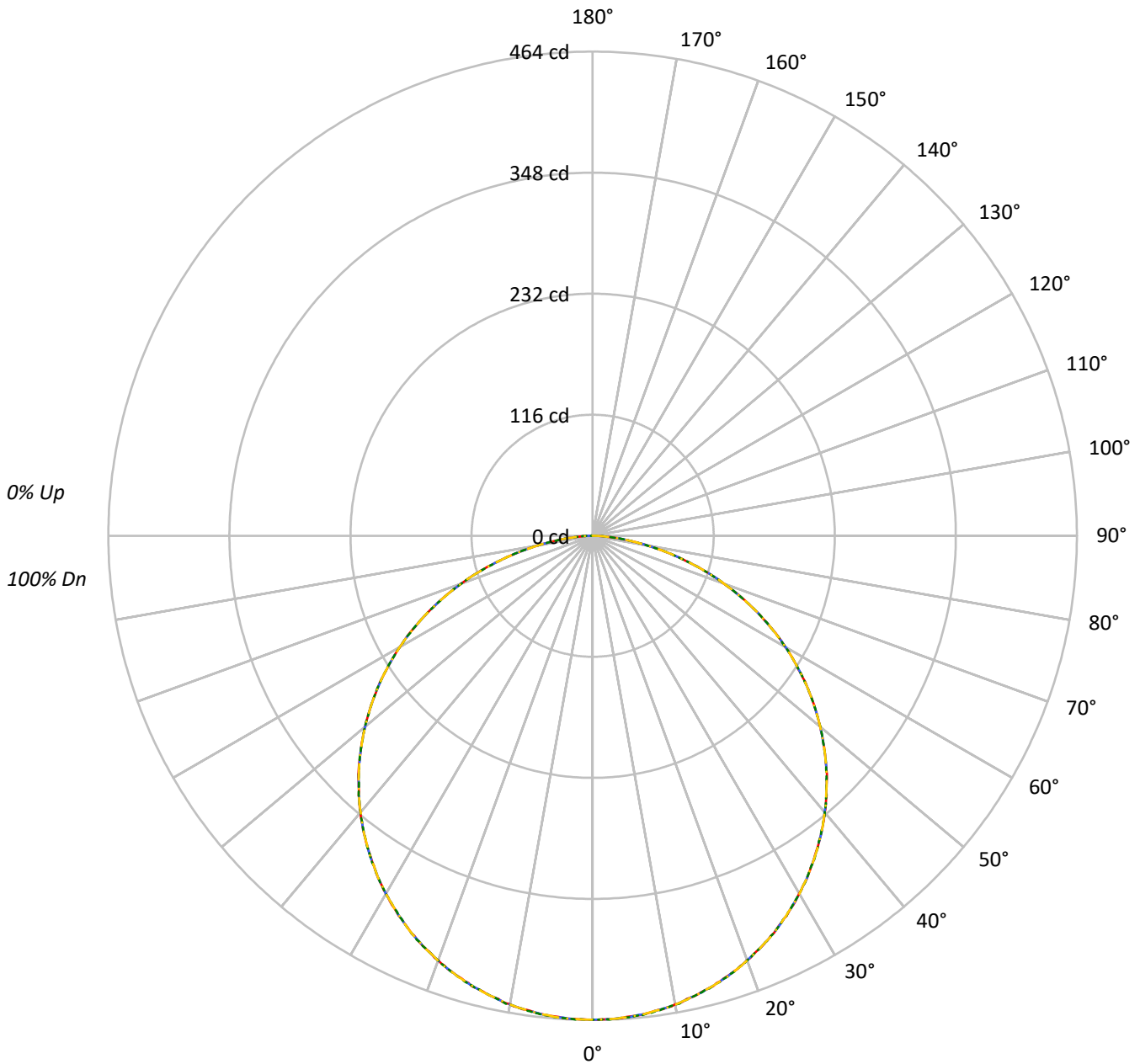
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1357.5 lumens
Efficiency: N/A
Efficacy: 102.1 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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CATALOG NUMBER: SMX8RLSFS2W-1200LM-3000K

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°	11300	11300	11300	11300
5°	11297	11302	11297	11302
10°	11279	11284	11279	11284
15°	11270	11257	11270	11257
20°	11219	11229	11219	11229
25°	11197	11200	11197	11200
30°	11141	11147	11141	11147
35°	11071	11079	11071	11079
40°	11008	11005	11008	11005
45°	10919	10899	10919	10899
50°	10788	10799	10788	10799
55°	10632	10641	10632	10641
60°	10399	10389	10399	10389
65°	10054	10060	10054	10060
70°	9532	9524	9532	9524
75°	8708	8727	8708	8727
80°	7464	7464	7464	7464
85°	5619	5675	5619	5675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10919 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	3.2
10°-20°	126.0	9.3
20°-30°	191.9	14.1
30°-40°	233.0	17.2
40°-50°	244.1	18.0
50°-60°	223.4	16.5
60°-70°	172.3	12.7
70°-80°	98.0	7.2
80°-90°	24.8	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°	361.8	26.7
0°-40°	594.8	43.8
0°-60°	1062.4	78.3
0°-90°	1357.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	464	464	464	464	464	
5°	462	462	462	462	462	44
15°	447	446	447	446	447	126
25°	416	417	416	417	416	192
35°	372	372	372	372	372	233
45°	317	316	317	316	317	244
55°	250	250	250	250	250	223
65°	174	174	174	174	174	172
75°	92	93	92	93	92	98
85°	20	20	20	20	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°	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8
0.5°	463.9	463.3	463.8	464.3	463.7	464.3	463.8	463.3	463.9	463.3	463.8
1°	463.4	463.4	463.7	463.8	463.7	463.8	463.7	463.4	463.4	463.4	463.7
1.5°	463.5	463.4	463.7	463.7	463.4	463.7	463.7	463.4	463.5	463.4	463.7
2°	463.5	463.4	463.6	463.6	464.0	463.6	463.6	463.4	463.5	463.4	463.6
2.5°	463.5	463.2	463.4	463.3	463.3	463.3	463.4	463.2	463.5	463.2	463.4
3°	463.2	463.0	463.3	463.0	463.2	463.0	463.3	463.0	463.2	463.0	463.3
3.5°	463.0	462.5	462.6	463.1	463.1	463.1	462.6	462.5	463.0	462.5	462.6
4°	462.3	462.5	462.7	462.4	462.7	462.4	462.7	462.5	462.3	462.5	462.7
4.5°	462.0	462.3	462.5	462.4	462.7	462.4	462.5	462.3	462.0	462.3	462.5
5°	461.9	461.8	461.9	461.9	462.1	461.9	461.9	461.8	461.9	461.8	461.9
5.5°	461.6	461.1	461.2	461.6	461.7	461.6	461.2	461.1	461.6	461.1	461.2
6°	461.1	460.6	461.2	460.8	461.8	460.8	461.2	460.6	461.1	460.6	461.2
6.5°	460.8	460.4	460.6	460.4	460.7	460.4	460.6	460.4	460.8	460.4	460.6
7°	460.0	459.8	460.0	460.0	460.7	460.0	460.0	459.8	460.0	459.8	460.0
7.5°	459.2	459.4	459.2	459.6	459.7	459.6	459.2	459.4	459.2	459.4	459.2
8°	458.6	458.9	458.8	458.6	459.4	458.6	458.8	458.9	458.6	458.9	458.8
8.5°	458.7	458.1	458.2	457.7	458.2	457.7	458.2	458.1	458.7	458.1	458.2
9°	457.5	457.6	457.6	457.6	457.9	457.6	457.6	457.6	457.5	457.6	457.6
9.5°	457.2	456.5	456.7	456.7	456.8	456.7	456.7	456.5	457.2	456.5	456.7
10°	455.9	456.1	456.2	456.3	456.1	456.3	456.2	456.1	455.9	456.1	456.2
10.5°	455.5	454.8	455.4	455.4	456.0	455.4	455.4	454.8	455.5	454.8	455.4
11°	454.7	454.0	454.2	454.6	454.6	454.6	454.2	454.0	454.7	454.0	454.2
11.5°	453.0	453.4	453.6	453.6	453.5	453.6	453.6	453.4	453.0	453.4	453.6
12°	452.5	452.7	452.2	452.3	452.4	452.3	452.2	452.7	452.5	452.7	452.2
12.5°	451.7	451.6	451.7	451.7	451.7	451.7	451.7	451.6	451.7	451.6	451.7
13°	450.7	450.9	450.8	450.6	450.5	450.6	450.8	450.9	450.7	450.9	450.8
13.5°	449.4	449.6	449.8	449.8	449.8	449.8	449.8	449.6	449.4	449.6	449.8
14°	448.4	448.7	448.5	448.8	448.1	448.8	448.5	448.7	448.4	448.7	448.5
14.5°	447.4	447.3	447.5	447.5	447.9	447.5	447.5	447.3	447.4	447.3	447.5
15°	446.8	446.0	446.5	446.3	446.3	446.3	446.5	446.0	446.8	446.0	446.5
15.5°	444.9	444.9	445.3	445.2	445.3	445.2	445.3	444.9	444.9	444.9	445.3
16°	444.1	443.9	444.1	444.3	444.6	444.3	444.1	443.9	444.1	443.9	444.1
16.5°	442.3	442.7	442.7	442.6	442.8	442.6	442.7	442.7	442.3	442.7	442.7
17°	441.5	441.3	442.0	441.3	441.7	441.3	442.0	441.3	441.5	441.3	442.0
17.5°	440.2	439.8	440.2	440.3	440.1	440.3	440.2	439.8	440.2	439.8	440.2
18°	438.8	438.8	438.9	438.8	439.3	438.8	438.9	438.8	438.8	438.8	438.9
18.5°	437.8	437.4	437.4	437.5	437.4	437.5	437.4	437.4	437.8	437.4	437.4
19°	435.9	436.0	436.3	435.8	436.2	435.8	436.3	436.0	435.9	436.0	436.3
19.5°	434.7	434.5	434.5	434.6	434.9	434.6	434.5	434.5	434.7	434.5	434.5
20°	432.7	432.6	433.2	432.9	433.1	432.9	433.2	432.6	432.7	432.6	433.2
20.5°	431.9	431.6	431.3	431.4	431.8	431.4	431.3	431.6	431.9	431.6	431.3
21°	429.7	430.1	429.9	430.1	429.9	430.1	429.9	430.1	429.7	430.1	429.9



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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°	425.3	425.1	425.0	425.3	425.5	425.3	425.0	425.1	425.3	425.1	425.0
23°	423.5	423.3	423.4	423.6	423.2	423.6	423.4	423.3	423.5	423.3	423.4
23.5°	422.0	421.6	421.8	421.9	422.2	421.9	421.8	421.6	422.0	421.6	421.8
24°	419.7	419.9	420.3	419.9	420.1	419.9	420.3	419.9	419.7	419.9	420.3
24.5°	418.6	418.0	418.3	418.0	418.5	418.0	418.3	418.0	418.6	418.0	418.3
25°	416.5	416.4	416.6	416.4	416.6	416.4	416.6	416.4	416.5	416.4	416.6
25.5°	414.3	414.0	414.5	414.3	414.6	414.3	414.5	414.0	414.3	414.0	414.5
26°	412.5	412.5	412.4	412.5	412.4	412.5	412.4	412.5	412.5	412.5	412.4
26.5°	410.3	410.3	410.3	410.5	410.2	410.5	410.3	410.3	410.3	410.3	410.3
27°	409.0	408.8	408.6	408.4	409.0	408.4	408.6	408.8	409.0	408.8	408.6
27.5°	406.6	406.2	406.5	406.5	406.2	406.5	406.5	406.2	406.6	406.2	406.5
28°	404.3	404.6	404.6	404.8	404.5	404.8	404.6	404.6	404.3	404.6	404.6
28.5°	402.9	402.5	402.3	402.1	402.3	402.1	402.3	402.5	402.9	402.5	402.3
29°	400.5	400.4	400.3	400.5	400.1	400.5	400.3	400.4	400.5	400.4	400.3
29.5°	398.0	397.8	398.1	397.9	398.2	397.9	398.1	397.8	398.0	397.8	398.1
30°	396.0	395.9	396.3	396.0	396.2	396.0	396.3	395.9	396.0	395.9	396.3
30.5°	394.2	393.5	393.8	393.9	393.9	393.9	393.8	393.5	394.2	393.5	393.8
31°	391.5	391.6	391.4	391.5	391.5	391.5	391.4	391.6	391.5	391.6	391.4
31.5°	389.5	389.3	389.3	389.3	389.6	389.3	389.3	389.3	389.5	389.3	389.3
32°	387.4	386.9	387.3	386.9	386.9	386.9	387.3	386.9	387.4	386.9	387.3
32.5°	384.9	384.7	384.8	384.7	384.9	384.7	384.8	384.7	384.9	384.7	384.8
33°	382.3	382.0	382.3	382.4	382.0	382.4	382.3	382.0	382.3	382.0	382.3
33.5°	379.6	379.9	379.6	379.8	379.7	379.8	379.6	379.9	379.6	379.9	379.6
34°	377.4	377.6	377.5	377.2	377.8	377.2	377.5	377.6	377.4	377.6	377.5
34.5°	374.8	375.0	375.1	375.1	375.3	375.1	375.1	375.0	374.8	375.0	375.1
35°	372.2	372.7	372.7	372.6	372.5	372.6	372.7	372.7	372.2	372.7	372.7
35.5°	369.9	369.8	370.2	369.9	370.1	369.9	370.2	369.8	369.9	369.8	370.2
36°	367.3	367.2	367.5	367.3	367.7	367.3	367.5	367.2	367.3	367.2	367.5
36.5°	365.0	364.9	364.7	364.9	364.6	364.9	364.7	364.9	365.0	364.9	364.7
37°	362.2	361.8	362.3	361.9	362.1	361.9	362.3	361.8	362.2	361.8	362.3
37.5°	359.9	359.3	359.7	359.6	359.6	359.6	359.7	359.3	359.9	359.3	359.7
38°	357.3	356.8	357.2	356.9	356.8	356.9	357.2	356.8	357.3	356.8	357.2
38.5°	354.3	354.3	354.5	354.4	354.2	354.4	354.5	354.3	354.3	354.3	354.5
39°	351.6	351.9	351.5	351.6	351.4	351.6	351.5	351.9	351.6	351.9	351.5
39.5°	349.0	348.8	348.6	348.6	349.1	348.6	348.6	348.8	349.0	348.8	348.6
40°	346.1	346.0	345.7	346.0	346.0	346.0	345.7	346.0	346.1	346.0	345.7
40.5°	343.5	343.0	343.1	343.2	343.4	343.2	343.1	343.0	343.5	343.0	343.1
41°	340.5	340.0	340.7	340.3	340.6	340.3	340.7	340.0	340.5	340.0	340.7
41.5°	337.6	337.4	337.5	337.4	337.3	337.4	337.5	337.4	337.6	337.4	337.5
42°	335.0	334.3	334.5	334.6	334.9	334.6	334.5	334.3	335.0	334.3	334.5
42.5°	331.6	331.6	331.4	331.6	331.7	331.6	331.4	331.6	331.6	331.6	331.4
43°	328.6	328.7	328.7	328.6	328.5	328.6	328.7	328.7	328.6	328.7	328.7
43.5°	325.6	325.6	325.6	325.7	325.4	325.7	325.6	325.6	325.6	325.6	325.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	316.9	316.6	316.6	316.4	316.3	316.4	316.6	316.6	316.9	316.6	316.6
45.5°	313.8	313.5	313.5	313.4	313.5	313.4	313.5	313.5	313.8	313.5	313.5
46°	310.4	310.4	310.3	310.3	310.7	310.3	310.3	310.4	310.4	310.4	310.3
46.5°	307.3	307.3	307.2	307.2	307.5	307.2	307.2	307.3	307.3	307.3	307.2
47°	304.2	304.1	304.0	304.0	304.2	304.0	304.0	304.1	304.2	304.1	304.0
47.5°	300.9	300.8	300.9	300.8	300.8	300.8	300.9	300.8	300.9	300.8	300.9
48°	297.7	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.7	297.6	297.6
48.5°	294.5	294.5	294.4	294.4	294.3	294.4	294.4	294.5	294.5	294.5	294.4
49°	291.2	291.3	291.2	291.1	291.3	291.1	291.2	291.3	291.2	291.3	291.2
49.5°	287.9	288.0	287.8	287.8	288.0	287.8	287.8	288.0	287.9	288.0	287.8
50°	284.6	284.7	284.5	284.5	284.9	284.5	284.5	284.7	284.6	284.7	284.5
50.5°	281.4	281.2	281.2	281.1	281.4	281.1	281.2	281.2	281.4	281.2	281.2
51°	277.9	277.8	277.9	277.7	277.8	277.7	277.9	277.8	277.9	277.8	277.9
51.5°	274.6	274.6	274.4	274.4	274.3	274.4	274.4	274.6	274.6	274.6	274.4
52°	271.2	271.1	271.0	271.1	271.1	271.1	271.0	271.1	271.2	271.1	271.0
52.5°	267.9	267.6	267.7	267.9	267.7	267.9	267.7	267.6	267.9	267.6	267.7
53°	264.3	264.3	264.3	264.1	264.4	264.1	264.3	264.3	264.3	264.3	264.3
53.5°	260.9	260.8	260.8	260.7	260.7	260.7	260.8	260.8	260.9	260.8	260.8
54°	257.1	257.1	257.4	257.3	257.2	257.3	257.4	257.1	257.1	257.1	257.4
54.5°	253.8	253.6	253.8	253.5	254.0	253.5	253.8	253.6	253.8	253.6	253.8
55°	250.3	250.2	250.1	250.0	250.5	250.0	250.1	250.2	250.3	250.2	250.1
55.5°	246.9	246.7	246.6	246.3	246.5	246.3	246.6	246.7	246.9	246.7	246.6
56°	242.9	243.0	243.0	242.9	243.0	242.9	243.0	243.0	242.9	243.0	243.0
56.5°	239.4	239.4	239.3	239.3	239.3	239.3	239.3	239.4	239.4	239.4	239.3
57°	235.2	235.4	235.7	235.5	235.5	235.5	235.7	235.4	235.2	235.4	235.7
57.5°	231.9	231.9	232.0	231.7	232.1	231.7	232.0	231.9	231.9	231.9	232.0
58°	228.2	228.5	228.2	228.2	228.3	228.2	228.2	228.5	228.2	228.5	228.2
58.5°	224.7	224.8	224.5	224.6	224.4	224.6	224.5	224.8	224.7	224.8	224.5
59°	220.9	220.9	220.9	220.7	221.0	220.7	220.9	220.9	220.9	220.9	220.9
59.5°	217.4	217.4	217.1	216.8	217.3	216.8	217.1	217.4	217.4	217.4	217.1
60°	213.4	213.4	213.5	213.5	213.2	213.5	213.5	213.4	213.4	213.4	213.5
60.5°	209.5	209.7	209.6	209.7	209.3	209.7	209.6	209.7	209.5	209.7	209.6
61°	205.9	205.9	205.9	205.7	205.9	205.7	205.9	205.9	205.9	205.9	205.9
61.5°	202.1	202.1	201.8	202.0	202.1	202.0	201.8	202.1	202.1	202.1	201.8
62°	198.3	198.2	198.0	197.9	197.9	197.9	198.0	198.2	198.3	198.2	198.0
62.5°	194.3	194.3	194.1	194.0	194.1	194.0	194.1	194.3	194.3	194.3	194.1
63°	190.0	190.3	190.4	190.3	190.2	190.3	190.4	190.3	190.0	190.3	190.4
63.5°	186.4	186.3	186.3	186.3	186.4	186.3	186.3	186.3	186.4	186.3	186.3
64°	182.4	182.2	182.4	182.4	182.4	182.4	182.4	182.2	182.4	182.2	182.4
64.5°	178.7	178.5	178.5	178.1	178.6	178.1	178.5	178.5	178.7	178.5	178.5
65°	174.4	174.5	174.4	174.1	174.5	174.1	174.4	174.5	174.4	174.5	174.4
65.5°	170.3	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.3	170.4	170.4
66°	166.3	166.5	166.3	166.3	166.4	166.3	166.3	166.5	166.3	166.5	166.3



TEST NUMBER: P938642

CATALOG NUMBER: SMX8RLSFS2W-1200LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	154.2	154.3	154.4	154.0	154.0	154.0	154.4	154.3	154.2	154.3	154.4
68°	150.4	150.4	150.1	149.9	150.2	149.9	150.1	150.4	150.4	150.4	150.1
68.5°	146.1	146.2	146.1	146.2	146.4	146.2	146.1	146.2	146.1	146.2	146.1
69°	142.1	142.0	142.1	142.2	142.2	142.2	142.1	142.0	142.1	142.0	142.1
69.5°	137.8	137.8	137.9	137.9	138.0	137.9	137.9	137.8	137.8	137.8	137.9
70°	133.8	134.0	133.8	133.8	133.7	133.8	133.8	134.0	133.8	134.0	133.8
70.5°	129.9	129.8	129.6	129.8	129.7	129.8	129.6	129.8	129.9	129.8	129.6
71°	125.8	125.7	125.7	125.6	125.6	125.6	125.7	125.7	125.8	125.7	125.7
71.5°	121.7	121.6	121.5	121.5	121.4	121.5	121.5	121.6	121.7	121.6	121.5
72°	117.5	117.5	117.4	117.4	117.4	117.4	117.4	117.5	117.5	117.5	117.4
72.5°	113.4	113.3	113.3	113.1	113.3	113.1	113.3	113.3	113.4	113.3	113.3
73°	109.0	109.0	109.0	109.2	109.0	109.2	109.0	109.0	109.0	109.0	109.0
73.5°	105.1	105.0	105.0	104.9	104.9	104.9	105.0	105.0	105.1	105.0	105.0
74°	100.9	100.9	100.9	100.8	100.9	100.8	100.9	100.9	100.9	100.9	100.9
74.5°	96.8	96.7	96.7	96.6	96.6	96.6	96.7	96.7	96.8	96.7	96.7
75°	92.5	92.7	92.6	92.6	92.7	92.6	92.6	92.7	92.5	92.7	92.6
75.5°	88.6	88.5	88.5	88.4	88.4	88.4	88.5	88.5	88.6	88.5	88.5
76°	84.6	84.5	84.4	84.4	84.5	84.4	84.4	84.5	84.6	84.5	84.4
76.5°	80.5	80.5	80.5	80.5	80.6	80.5	80.5	80.5	80.5	80.5	80.5
77°	76.7	76.6	76.4	76.5	76.5	76.5	76.4	76.6	76.7	76.6	76.4
77.5°	72.5	72.6	72.5	72.5	72.4	72.5	72.5	72.6	72.5	72.6	72.5
78°	68.5	68.6	68.5	68.6	68.7	68.6	68.5	68.6	68.5	68.6	68.5
78.5°	64.6	64.6	64.6	64.6	64.7	64.6	64.6	64.6	64.6	64.6	64.6
79°	60.7	60.8	60.6	60.7	60.8	60.7	60.6	60.8	60.7	60.8	60.6
79.5°	57.0	57.0	56.9	56.9	57.0	56.9	56.9	57.0	57.0	57.0	56.9
80°	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
80.5°	49.5	49.5	49.5	49.5	49.4	49.5	49.5	49.5	49.5	49.5	49.5
81°	45.9	46.0	45.9	45.9	46.0	45.9	45.9	46.0	45.9	46.0	45.9
81.5°	42.4	42.4	42.4	42.3	42.4	42.3	42.4	42.4	42.4	42.4	42.4
82°	39.1	39.1	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.0
82.5°	35.6	35.6	35.6	35.5	35.6	35.5	35.6	35.6	35.6	35.6	35.6
83°	32.3	32.3	32.3	32.2	32.3	32.2	32.3	32.3	32.3	32.3	32.3
83.5°	29.1	29.1	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.0
84°	26.0	26.1	26.0	25.8	26.0	25.8	26.0	26.1	26.0	26.1	26.0
84.5°	23.2	23.2	23.0	23.1	23.1	23.1	23.0	23.2	23.2	23.2	23.0
85°	20.1	20.2	20.2	20.2	20.3	20.2	20.2	20.2	20.1	20.2	20.2
85.5°	17.5	17.5	17.5	17.6	17.8	17.6	17.5	17.5	17.5	17.5	17.5
86°	15.0	15.0	15.1	15.2	15.3	15.2	15.1	15.0	15.0	15.0	15.1
86.5°	12.8	12.8	12.7	12.9	13.4	12.9	12.7	12.8	12.8	12.8	12.7
87°	10.6	10.7	10.7	10.8	11.0	10.8	10.7	10.7	10.6	10.7	10.7
87.5°	8.8	8.7	8.8	9.0	9.2	9.0	8.8	8.7	8.8	8.7	8.8
88°	7.1	7.1	7.2	7.3	7.4	7.3	7.2	7.1	7.1	7.1	7.2
88.5°	5.7	5.7	5.7	5.7	5.9	5.7	5.7	5.7	5.7	5.7	5.7



TEST NUMBER: P938642
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-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: P938642

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	463.8	463.8	463.8	463.8	463.8	463.8
0.5°	464.3	463.7	464.3	463.8	463.3	463.9
1°	463.8	463.7	463.8	463.7	463.4	463.4
1.5°	463.7	463.4	463.7	463.7	463.4	463.5
2°	463.6	464.0	463.6	463.6	463.4	463.5
2.5°	463.3	463.3	463.3	463.4	463.2	463.5
3°	463.0	463.2	463.0	463.3	463.0	463.2
3.5°	463.1	463.1	463.1	462.6	462.5	463.0
4°	462.4	462.7	462.4	462.7	462.5	462.3
4.5°	462.4	462.7	462.4	462.5	462.3	462.0
5°	461.9	462.1	461.9	461.9	461.8	461.9
5.5°	461.6	461.7	461.6	461.2	461.1	461.6
6°	460.8	461.8	460.8	461.2	460.6	461.1
6.5°	460.4	460.7	460.4	460.6	460.4	460.8
7°	460.0	460.7	460.0	460.0	459.8	460.0
7.5°	459.6	459.7	459.6	459.2	459.4	459.2
8°	458.6	459.4	458.6	458.8	458.9	458.6
8.5°	457.7	458.2	457.7	458.2	458.1	458.7
9°	457.6	457.9	457.6	457.6	457.6	457.5
9.5°	456.7	456.8	456.7	456.7	456.5	457.2
10°	456.3	456.1	456.3	456.2	456.1	455.9
10.5°	455.4	456.0	455.4	455.4	454.8	455.5
11°	454.6	454.6	454.6	454.2	454.0	454.7
11.5°	453.6	453.5	453.6	453.6	453.4	453.0
12°	452.3	452.4	452.3	452.2	452.7	452.5
12.5°	451.7	451.7	451.7	451.7	451.6	451.7
13°	450.6	450.5	450.6	450.8	450.9	450.7
13.5°	449.8	449.8	449.8	449.8	449.6	449.4
14°	448.8	448.1	448.8	448.5	448.7	448.4
14.5°	447.5	447.9	447.5	447.5	447.3	447.4
15°	446.3	446.3	446.3	446.5	446.0	446.8
15.5°	445.2	445.3	445.2	445.3	444.9	444.9
16°	444.3	444.6	444.3	444.1	443.9	444.1
16.5°	442.6	442.8	442.6	442.7	442.7	442.3
17°	441.3	441.7	441.3	442.0	441.3	441.5
17.5°	440.3	440.1	440.3	440.2	439.8	440.2
18°	438.8	439.3	438.8	438.9	438.8	438.8
18.5°	437.5	437.4	437.5	437.4	437.4	437.8
19°	435.8	436.2	435.8	436.3	436.0	435.9
19.5°	434.6	434.9	434.6	434.5	434.5	434.7
20°	432.9	433.1	432.9	433.2	432.6	432.7
20.5°	431.4	431.8	431.4	431.3	431.6	431.9
21°	430.1	429.9	430.1	429.9	430.1	429.7

TEST NUMBER: P938642

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	425.3	425.5	425.3	425.0	425.1	425.3
23°	423.6	423.2	423.6	423.4	423.3	423.5
23.5°	421.9	422.2	421.9	421.8	421.6	422.0
24°	419.9	420.1	419.9	420.3	419.9	419.7
24.5°	418.0	418.5	418.0	418.3	418.0	418.6
25°	416.4	416.6	416.4	416.6	416.4	416.5
25.5°	414.3	414.6	414.3	414.5	414.0	414.3
26°	412.5	412.4	412.5	412.4	412.5	412.5
26.5°	410.5	410.2	410.5	410.3	410.3	410.3
27°	408.4	409.0	408.4	408.6	408.8	409.0
27.5°	406.5	406.2	406.5	406.5	406.2	406.6
28°	404.8	404.5	404.8	404.6	404.6	404.3
28.5°	402.1	402.3	402.1	402.3	402.5	402.9
29°	400.5	400.1	400.5	400.3	400.4	400.5
29.5°	397.9	398.2	397.9	398.1	397.8	398.0
30°	396.0	396.2	396.0	396.3	395.9	396.0
30.5°	393.9	393.9	393.9	393.8	393.5	394.2
31°	391.5	391.5	391.5	391.4	391.6	391.5
31.5°	389.3	389.6	389.3	389.3	389.3	389.5
32°	386.9	386.9	386.9	387.3	386.9	387.4
32.5°	384.7	384.9	384.7	384.8	384.7	384.9
33°	382.4	382.0	382.4	382.3	382.0	382.3
33.5°	379.8	379.7	379.8	379.6	379.9	379.6
34°	377.2	377.8	377.2	377.5	377.6	377.4
34.5°	375.1	375.3	375.1	375.1	375.0	374.8
35°	372.6	372.5	372.6	372.7	372.7	372.2
35.5°	369.9	370.1	369.9	370.2	369.8	369.9
36°	367.3	367.7	367.3	367.5	367.2	367.3
36.5°	364.9	364.6	364.9	364.7	364.9	365.0
37°	361.9	362.1	361.9	362.3	361.8	362.2
37.5°	359.6	359.6	359.6	359.7	359.3	359.9
38°	356.9	356.8	356.9	357.2	356.8	357.3
38.5°	354.4	354.2	354.4	354.5	354.3	354.3
39°	351.6	351.4	351.6	351.5	351.9	351.6
39.5°	348.6	349.1	348.6	348.6	348.8	349.0
40°	346.0	346.0	346.0	345.7	346.0	346.1
40.5°	343.2	343.4	343.2	343.1	343.0	343.5
41°	340.3	340.6	340.3	340.7	340.0	340.5
41.5°	337.4	337.3	337.4	337.5	337.4	337.6
42°	334.6	334.9	334.6	334.5	334.3	335.0
42.5°	331.6	331.7	331.6	331.4	331.6	331.6
43°	328.6	328.5	328.6	328.7	328.7	328.6
43.5°	325.7	325.4	325.7	325.6	325.6	325.6



TEST NUMBER: P938642

CATALOG NUMBER: SMX8RLSFS2W-1200LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	316.4	316.3	316.4	316.6	316.6	316.9
45.5°	313.4	313.5	313.4	313.5	313.5	313.8
46°	310.3	310.7	310.3	310.3	310.4	310.4
46.5°	307.2	307.5	307.2	307.2	307.3	307.3
47°	304.0	304.2	304.0	304.0	304.1	304.2
47.5°	300.8	300.8	300.8	300.9	300.8	300.9
48°	297.6	297.6	297.6	297.6	297.6	297.7
48.5°	294.4	294.3	294.4	294.4	294.5	294.5
49°	291.1	291.3	291.1	291.2	291.3	291.2
49.5°	287.8	288.0	287.8	287.8	288.0	287.9
50°	284.5	284.9	284.5	284.5	284.7	284.6
50.5°	281.1	281.4	281.1	281.2	281.2	281.4
51°	277.7	277.8	277.7	277.9	277.8	277.9
51.5°	274.4	274.3	274.4	274.4	274.6	274.6
52°	271.1	271.1	271.1	271.0	271.1	271.2
52.5°	267.9	267.7	267.9	267.7	267.6	267.9
53°	264.1	264.4	264.1	264.3	264.3	264.3
53.5°	260.7	260.7	260.7	260.8	260.8	260.9
54°	257.3	257.2	257.3	257.4	257.1	257.1
54.5°	253.5	254.0	253.5	253.8	253.6	253.8
55°	250.0	250.5	250.0	250.1	250.2	250.3
55.5°	246.3	246.5	246.3	246.6	246.7	246.9
56°	242.9	243.0	242.9	243.0	243.0	242.9
56.5°	239.3	239.3	239.3	239.3	239.4	239.4
57°	235.5	235.5	235.5	235.7	235.4	235.2
57.5°	231.7	232.1	231.7	232.0	231.9	231.9
58°	228.2	228.3	228.2	228.2	228.5	228.2
58.5°	224.6	224.4	224.6	224.5	224.8	224.7
59°	220.7	221.0	220.7	220.9	220.9	220.9
59.5°	216.8	217.3	216.8	217.1	217.4	217.4
60°	213.5	213.2	213.5	213.5	213.4	213.4
60.5°	209.7	209.3	209.7	209.6	209.7	209.5
61°	205.7	205.9	205.7	205.9	205.9	205.9
61.5°	202.0	202.1	202.0	201.8	202.1	202.1
62°	197.9	197.9	197.9	198.0	198.2	198.3
62.5°	194.0	194.1	194.0	194.1	194.3	194.3
63°	190.3	190.2	190.3	190.4	190.3	190.0
63.5°	186.3	186.4	186.3	186.3	186.3	186.4
64°	182.4	182.4	182.4	182.4	182.2	182.4
64.5°	178.1	178.6	178.1	178.5	178.5	178.7
65°	174.1	174.5	174.1	174.4	174.5	174.4
65.5°	170.4	170.4	170.4	170.4	170.4	170.3
66°	166.3	166.4	166.3	166.3	166.5	166.3



TEST NUMBER: P938642
 CATALOG NUMBER: SMX8RLSFS2W-1200LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	154.0	154.0	154.0	154.4	154.3	154.2
68°	149.9	150.2	149.9	150.1	150.4	150.4
68.5°	146.2	146.4	146.2	146.1	146.2	146.1
69°	142.2	142.2	142.2	142.1	142.0	142.1
69.5°	137.9	138.0	137.9	137.9	137.8	137.8
70°	133.8	133.7	133.8	133.8	134.0	133.8
70.5°	129.8	129.7	129.8	129.6	129.8	129.9
71°	125.6	125.6	125.6	125.7	125.7	125.8
71.5°	121.5	121.4	121.5	121.5	121.6	121.7
72°	117.4	117.4	117.4	117.4	117.5	117.5
72.5°	113.1	113.3	113.1	113.3	113.3	113.4
73°	109.2	109.0	109.2	109.0	109.0	109.0
73.5°	104.9	104.9	104.9	105.0	105.0	105.1
74°	100.8	100.9	100.8	100.9	100.9	100.9
74.5°	96.6	96.6	96.6	96.7	96.7	96.8
75°	92.6	92.7	92.6	92.6	92.7	92.5
75.5°	88.4	88.4	88.4	88.5	88.5	88.6
76°	84.4	84.5	84.4	84.4	84.5	84.6
76.5°	80.5	80.6	80.5	80.5	80.5	80.5
77°	76.5	76.5	76.5	76.4	76.6	76.7
77.5°	72.5	72.4	72.5	72.5	72.6	72.5
78°	68.6	68.7	68.6	68.5	68.6	68.5
78.5°	64.6	64.7	64.6	64.6	64.6	64.6
79°	60.7	60.8	60.7	60.6	60.8	60.7
79.5°	56.9	57.0	56.9	56.9	57.0	57.0
80°	53.2	53.2	53.2	53.2	53.2	53.2
80.5°	49.5	49.4	49.5	49.5	49.5	49.5
81°	45.9	46.0	45.9	45.9	46.0	45.9
81.5°	42.3	42.4	42.3	42.4	42.4	42.4
82°	39.0	39.0	39.0	39.0	39.1	39.1
82.5°	35.5	35.6	35.5	35.6	35.6	35.6
83°	32.2	32.3	32.2	32.3	32.3	32.3
83.5°	29.0	29.0	29.0	29.0	29.1	29.1
84°	25.8	26.0	25.8	26.0	26.1	26.0
84.5°	23.1	23.1	23.1	23.0	23.2	23.2
85°	20.2	20.3	20.2	20.2	20.2	20.1
85.5°	17.6	17.8	17.6	17.5	17.5	17.5
86°	15.2	15.3	15.2	15.1	15.0	15.0
86.5°	12.9	13.4	12.9	12.7	12.8	12.8
87°	10.8	11.0	10.8	10.7	10.7	10.6
87.5°	9.0	9.2	9.0	8.8	8.7	8.8
88°	7.3	7.4	7.3	7.2	7.1	7.1
88.5°	5.7	5.9	5.7	5.7	5.7	5.7



TEST NUMBER: P938642
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-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

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

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21.5°	428.1	428.2	428.6	428.2	428.3	428.2	428.6	428.2	428.1	428.2	428.6
22°	427.0	426.3	427.1	426.6	426.7	426.6	427.1	426.3	427.0	426.3	427.1



44°	323.2	322.6	322.6	322.7	322.7	322.7	322.6	322.6	323.2	322.6	322.6
44.5°	320.2	319.8	319.5	319.8	319.7	319.8	319.5	319.8	320.2	319.8	319.5



66.5°	162.4	162.3	162.2	162.3	162.5	162.3	162.2	162.3	162.4	162.3	162.2
67°	158.3	158.2	158.2	158.2	158.4	158.2	158.2	158.2	158.3	158.2	158.2



89°	4.6	4.5	4.5	4.5	4.8	4.5	4.5	4.5	4.6	4.5	4.5
89.5°	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5	3.5	3.5	3.5

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21.5°	428.2	428.3	428.2	428.6	428.2	428.1
22°	426.6	426.7	426.6	427.1	426.3	427.0



44°	322.7	322.7	322.7	322.6	322.6	323.2
44.5°	319.8	319.7	319.8	319.5	319.8	320.2



66.5°	162.3	162.5	162.3	162.2	162.3	162.4
67°	158.2	158.4	158.2	158.2	158.2	158.3



89°	4.5	4.8	4.5	4.5	4.5	4.6
89.5°	3.5	3.6	3.5	3.5	3.5	3.5

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(END OF REPORT)