

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: P938641

Luminaire Tested: SMX8RLSFSD2W-1200LM-2700K

Issue Date: 1/9/2025



Test Information

Test Method: LM-79-2019
Report Number: P938641
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-2700K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

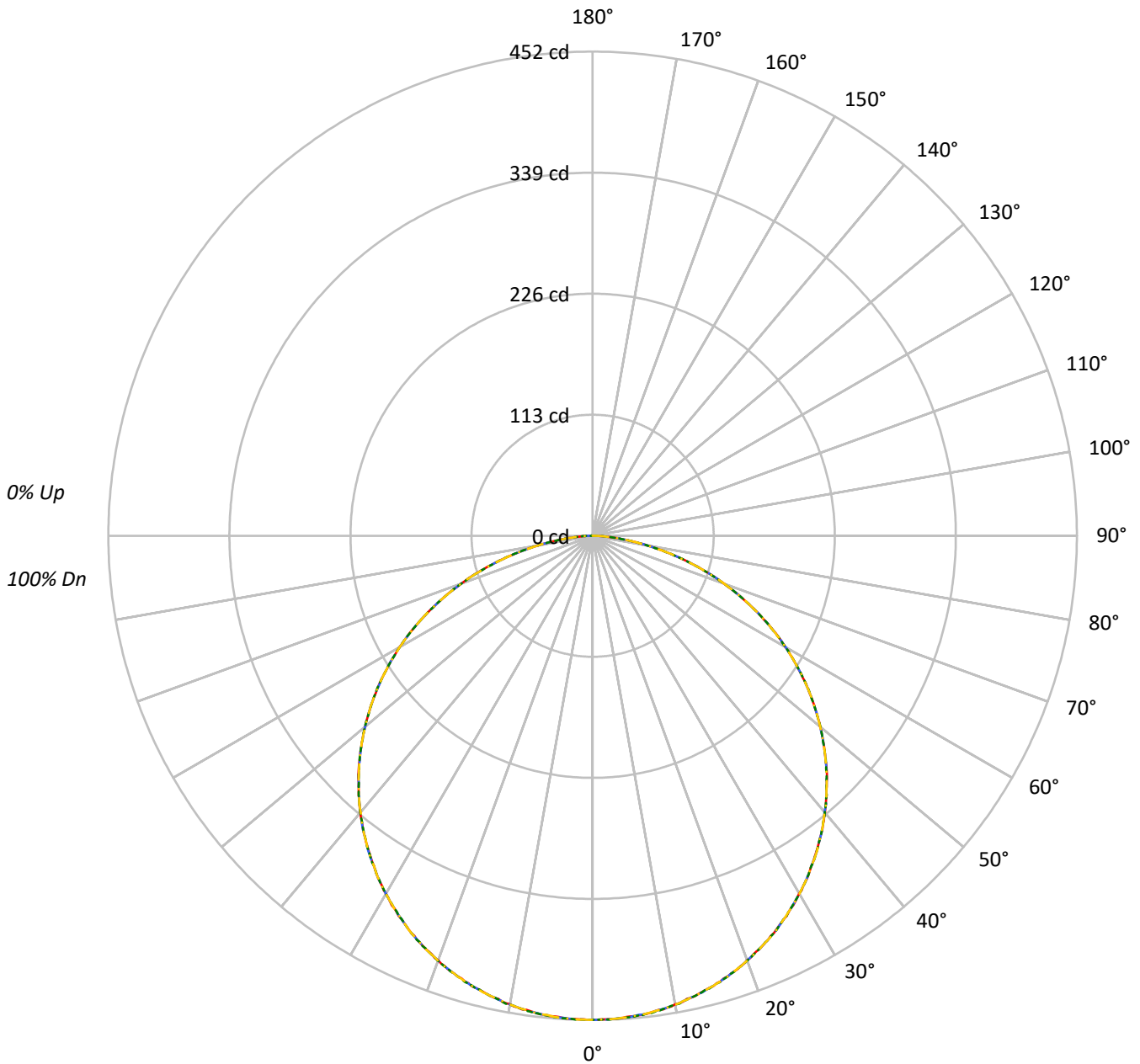
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1322.7 lumens
Efficiency: N/A
Efficacy: 99.4 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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CATALOG NUMBER: SMX8RLSFS2W-1200LM-2700K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					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°	11010	11010	11010	11010
5°	11008	11013	11008	11013
10°	10990	10995	10990	10995
15°	10983	10970	10983	10970
20°	10931	10942	10931	10942
25°	10909	10912	10909	10912
30°	10854	10860	10854	10860
35°	10788	10794	10788	10794
40°	10728	10725	10728	10725
45°	10640	10620	10640	10620
50°	10511	10522	10511	10522
55°	10360	10369	10360	10369
60°	10131	10121	10131	10121
65°	9795	9801	9795	9801
70°	9289	9282	9289	9282
75°	8482	8510	8482	8510
80°	7268	7282	7268	7282
85°	5479	5535	5479	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	3.2
10°-20°	122.8	9.3
20°-30°	187.0	14.1
30°-40°	227.1	17.2
40°-50°	237.9	18.0
50°-60°	217.7	16.5
60°-70°	167.9	12.7
70°-80°	95.5	7.2
80°-90°	24.2	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°	352.5	26.7
0°-40°	579.6	43.8
0°-60°	1035.1	78.3
0°-90°	1322.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1322.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	452	452	452	452	452	
5°	450	450	450	450	450	43
15°	435	435	435	435	435	123
25°	406	406	406	406	406	187
35°	363	363	363	363	363	227
45°	309	308	309	308	309	238
55°	244	244	244	244	244	218
65°	170	170	170	170	170	168
75°	90	90	90	90	90	96
85°	20	20	20	20	20	24
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°	451.9	451.9	451.9	451.9	451.9	451.9	451.9	451.9	451.9	451.9	451.9
0.5°	452.0	451.4	451.9	452.4	451.8	452.4	451.9	451.4	452.0	451.4	451.9
1°	451.5	451.5	451.8	451.9	451.8	451.9	451.8	451.5	451.5	451.5	451.8
1.5°	451.6	451.5	451.8	451.8	451.5	451.8	451.8	451.5	451.6	451.5	451.8
2°	451.6	451.5	451.7	451.7	452.1	451.7	451.7	451.5	451.6	451.5	451.7
2.5°	451.6	451.3	451.5	451.4	451.4	451.4	451.5	451.3	451.6	451.3	451.5
3°	451.4	451.1	451.4	451.1	451.4	451.1	451.4	451.1	451.4	451.1	451.4
3.5°	451.1	450.7	450.8	451.2	451.2	451.2	450.8	450.7	451.1	450.7	450.8
4°	450.4	450.6	450.9	450.5	450.9	450.5	450.9	450.6	450.4	450.6	450.9
4.5°	450.2	450.4	450.6	450.5	450.9	450.5	450.6	450.4	450.2	450.4	450.6
5°	450.1	449.9	450.0	450.0	450.3	450.0	450.0	449.9	450.1	449.9	450.0
5.5°	449.8	449.3	449.3	449.8	449.8	449.8	449.3	449.3	449.8	449.3	449.3
6°	449.3	448.8	449.3	449.0	449.9	449.0	449.3	448.8	449.3	448.8	449.3
6.5°	449.0	448.6	448.7	448.6	448.9	448.6	448.7	448.6	449.0	448.6	448.7
7°	448.2	448.0	448.2	448.2	448.9	448.2	448.2	448.0	448.2	448.0	448.2
7.5°	447.4	447.7	447.4	447.8	447.9	447.8	447.4	447.7	447.4	447.7	447.4
8°	446.8	447.1	447.1	446.8	447.7	446.8	447.1	447.1	446.8	447.1	447.1
8.5°	447.0	446.4	446.5	446.0	446.5	446.0	446.5	446.4	447.0	446.4	446.5
9°	445.8	445.9	445.9	445.9	446.1	445.9	445.9	445.9	445.8	445.9	445.9
9.5°	445.5	444.8	445.0	445.0	445.0	445.0	445.0	444.8	445.5	444.8	445.0
10°	444.2	444.4	444.5	444.6	444.4	444.6	444.5	444.4	444.2	444.4	444.5
10.5°	443.8	443.1	443.7	443.7	444.3	443.7	443.7	443.1	443.8	443.1	443.7
11°	443.0	442.3	442.5	442.9	442.9	442.9	442.5	442.3	443.0	442.3	442.5
11.5°	441.3	441.8	441.9	442.0	441.8	442.0	441.9	441.8	441.3	441.8	441.9
12°	440.9	441.1	440.6	440.7	440.8	440.7	440.6	441.1	440.9	441.1	440.6
12.5°	440.2	440.0	440.1	440.2	440.2	440.2	440.1	440.0	440.2	440.0	440.1
13°	439.1	439.3	439.2	439.1	439.0	439.1	439.2	439.3	439.1	439.3	439.2
13.5°	437.9	438.1	438.3	438.3	438.2	438.3	438.3	438.1	437.9	438.1	438.3
14°	436.9	437.2	437.0	437.3	436.6	437.3	437.0	437.2	436.9	437.2	437.0
14.5°	435.9	435.9	436.0	436.0	436.5	436.0	436.0	435.9	435.9	435.9	436.0
15°	435.4	434.6	435.0	434.9	434.9	434.9	435.0	434.6	435.4	434.6	435.0
15.5°	433.5	433.5	433.8	433.8	433.9	433.8	433.8	433.5	433.5	433.5	433.8
16°	432.7	432.5	432.7	432.9	433.2	432.9	432.7	432.5	432.7	432.5	432.7
16.5°	431.0	431.3	431.3	431.2	431.5	431.2	431.3	431.3	431.0	431.3	431.3
17°	430.2	430.0	430.6	430.0	430.4	430.0	430.6	430.0	430.2	430.0	430.6
17.5°	428.9	428.5	428.9	429.0	428.8	429.0	428.9	428.5	428.9	428.5	428.9
18°	427.5	427.5	427.6	427.5	428.0	427.5	427.6	427.5	427.5	427.5	427.6
18.5°	426.6	426.2	426.2	426.3	426.2	426.3	426.2	426.2	426.6	426.2	426.2
19°	424.7	424.8	425.1	424.7	425.0	424.7	425.1	424.8	424.7	424.8	425.1
19.5°	423.6	423.4	423.4	423.5	423.7	423.5	423.4	423.4	423.6	423.4	423.4
20°	421.6	421.5	422.1	421.8	422.0	421.8	422.1	421.5	421.6	421.5	422.1
20.5°	420.8	420.5	420.2	420.4	420.7	420.4	420.2	420.5	420.8	420.5	420.2
21°	418.7	419.1	418.9	419.0	418.9	419.0	418.9	419.1	418.7	419.1	418.9



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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°	414.4	414.2	414.1	414.4	414.6	414.4	414.1	414.2	414.4	414.2	414.1
23°	412.6	412.5	412.5	412.7	412.4	412.7	412.5	412.5	412.6	412.5	412.5
23.5°	411.2	410.8	411.0	411.1	411.4	411.1	411.0	410.8	411.2	410.8	411.0
24°	408.9	409.1	409.5	409.1	409.3	409.1	409.5	409.1	408.9	409.1	409.5
24.5°	407.8	407.2	407.6	407.3	407.7	407.3	407.6	407.2	407.8	407.2	407.6
25°	405.8	405.7	405.9	405.7	405.9	405.7	405.9	405.7	405.8	405.7	405.9
25.5°	403.7	403.4	403.9	403.7	403.9	403.7	403.9	403.4	403.7	403.4	403.9
26°	401.9	401.9	401.8	401.9	401.8	401.9	401.8	401.9	401.9	401.9	401.8
26.5°	399.8	399.8	399.8	400.0	399.7	400.0	399.8	399.8	399.8	399.8	399.8
27°	398.5	398.3	398.1	398.0	398.5	398.0	398.1	398.3	398.5	398.3	398.1
27.5°	396.2	395.8	396.0	396.0	395.8	396.0	396.0	395.8	396.2	395.8	396.0
28°	393.9	394.2	394.2	394.4	394.1	394.4	394.2	394.2	393.9	394.2	394.2
28.5°	392.6	392.2	392.0	391.8	392.0	391.8	392.0	392.2	392.6	392.2	392.0
29°	390.2	390.1	390.1	390.2	389.9	390.2	390.1	390.1	390.2	390.1	390.1
29.5°	387.8	387.6	387.9	387.7	388.0	387.7	387.9	387.6	387.8	387.6	387.9
30°	385.8	385.8	386.1	385.8	386.0	385.8	386.1	385.8	385.8	385.8	386.1
30.5°	384.1	383.4	383.7	383.8	383.8	383.8	383.7	383.4	384.1	383.4	383.7
31°	381.5	381.6	381.4	381.5	381.5	381.5	381.4	381.6	381.5	381.6	381.4
31.5°	379.5	379.3	379.4	379.4	379.6	379.4	379.4	379.3	379.5	379.3	379.4
32°	377.5	377.0	377.3	377.0	377.0	377.0	377.3	377.0	377.5	377.0	377.3
32.5°	375.0	374.8	374.9	374.8	375.1	374.8	374.9	374.8	375.0	374.8	374.9
33°	372.5	372.2	372.5	372.6	372.2	372.6	372.5	372.2	372.5	372.2	372.5
33.5°	369.8	370.2	369.8	370.0	369.9	370.0	369.8	370.2	369.8	370.2	369.8
34°	367.7	367.9	367.8	367.5	368.1	367.5	367.8	367.9	367.7	367.9	367.8
34.5°	365.2	365.4	365.5	365.5	365.6	365.5	365.5	365.4	365.2	365.4	365.5
35°	362.7	363.1	363.1	363.0	362.9	363.0	363.1	363.1	362.7	363.1	363.1
35.5°	360.4	360.3	360.8	360.4	360.6	360.4	360.8	360.3	360.4	360.3	360.8
36°	357.9	357.8	358.1	357.9	358.3	357.9	358.1	357.8	357.9	357.8	358.1
36.5°	355.6	355.5	355.4	355.5	355.3	355.5	355.4	355.5	355.6	355.5	355.4
37°	352.9	352.5	353.0	352.7	352.8	352.7	353.0	352.5	352.9	352.5	353.0
37.5°	350.6	350.1	350.5	350.4	350.4	350.4	350.5	350.1	350.6	350.1	350.5
38°	348.1	347.7	348.0	347.8	347.7	347.8	348.0	347.7	348.1	347.7	348.0
38.5°	345.3	345.2	345.4	345.3	345.1	345.3	345.4	345.2	345.3	345.2	345.4
39°	342.6	342.9	342.5	342.6	342.4	342.6	342.5	342.9	342.6	342.9	342.5
39.5°	340.0	339.9	339.6	339.7	340.1	339.7	339.6	339.9	340.0	339.9	339.6
40°	337.3	337.1	336.8	337.2	337.2	337.2	336.8	337.1	337.3	337.1	336.8
40.5°	334.6	334.2	334.3	334.4	334.6	334.4	334.3	334.2	334.6	334.2	334.3
41°	331.8	331.3	332.0	331.6	331.9	331.6	332.0	331.3	331.8	331.3	332.0
41.5°	328.9	328.8	328.8	328.8	328.7	328.8	328.8	328.8	328.9	328.8	328.8
42°	326.4	325.7	325.9	326.0	326.3	326.0	325.9	325.7	326.4	325.7	325.9
42.5°	323.1	323.1	322.9	323.1	323.2	323.1	322.9	323.1	323.1	323.1	322.9
43°	320.2	320.2	320.2	320.2	320.1	320.2	320.2	320.2	320.2	320.2	320.2
43.5°	317.3	317.2	317.2	317.4	317.0	317.4	317.2	317.2	317.3	317.2	317.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	308.8	308.5	308.5	308.3	308.2	308.3	308.5	308.5	308.8	308.5	308.5
45.5°	305.8	305.4	305.5	305.3	305.5	305.3	305.5	305.4	305.8	305.4	305.5
46°	302.4	302.5	302.3	302.3	302.7	302.3	302.3	302.5	302.4	302.5	302.3
46.5°	299.4	299.4	299.3	299.3	299.6	299.3	299.3	299.4	299.4	299.4	299.3
47°	296.4	296.3	296.2	296.2	296.4	296.2	296.2	296.3	296.4	296.3	296.2
47.5°	293.2	293.1	293.2	293.1	293.1	293.1	293.2	293.1	293.2	293.1	293.2
48°	290.1	290.0	290.0	289.9	290.0	289.9	290.0	290.0	290.1	290.0	290.0
48.5°	287.0	287.0	286.9	286.9	286.7	286.9	286.9	287.0	287.0	287.0	286.9
49°	283.7	283.8	283.7	283.6	283.9	283.6	283.7	283.8	283.7	283.8	283.7
49.5°	280.5	280.6	280.4	280.4	280.6	280.4	280.4	280.6	280.5	280.6	280.4
50°	277.3	277.4	277.2	277.2	277.6	277.2	277.2	277.4	277.3	277.4	277.2
50.5°	274.2	274.0	274.0	273.8	274.2	273.8	274.0	274.0	274.2	274.0	274.0
51°	270.8	270.6	270.8	270.6	270.6	270.6	270.8	270.6	270.8	270.6	270.8
51.5°	267.5	267.5	267.4	267.4	267.3	267.4	267.4	267.5	267.5	267.5	267.4
52°	264.2	264.2	264.1	264.2	264.2	264.2	264.1	264.2	264.2	264.2	264.1
52.5°	261.0	260.7	260.9	261.0	260.8	261.0	260.9	260.7	261.0	260.7	260.9
53°	257.5	257.5	257.5	257.3	257.6	257.3	257.5	257.5	257.5	257.5	257.5
53.5°	254.2	254.1	254.1	254.0	254.0	254.0	254.1	254.1	254.2	254.1	254.1
54°	250.5	250.5	250.8	250.7	250.6	250.7	250.8	250.5	250.5	250.5	250.8
54.5°	247.3	247.1	247.3	247.0	247.5	247.0	247.3	247.1	247.3	247.1	247.3
55°	243.9	243.8	243.7	243.6	244.1	243.6	243.7	243.8	243.9	243.8	243.7
55.5°	240.6	240.3	240.2	240.0	240.2	240.0	240.2	240.3	240.6	240.3	240.2
56°	236.6	236.8	236.8	236.6	236.8	236.6	236.8	236.8	236.6	236.8	236.8
56.5°	233.3	233.3	233.2	233.2	233.2	233.2	233.2	233.3	233.3	233.3	233.2
57°	229.2	229.4	229.6	229.5	229.5	229.5	229.6	229.4	229.2	229.4	229.6
57.5°	225.9	225.9	226.0	225.8	226.2	225.8	226.0	225.9	225.9	225.9	226.0
58°	222.4	222.6	222.4	222.3	222.5	222.3	222.4	222.6	222.4	222.6	222.4
58.5°	218.9	219.0	218.8	218.9	218.6	218.9	218.8	219.0	218.9	219.0	218.8
59°	215.2	215.2	215.2	215.1	215.3	215.1	215.2	215.2	215.2	215.2	215.2
59.5°	211.8	211.8	211.5	211.3	211.7	211.3	211.5	211.8	211.8	211.8	211.5
60°	207.9	207.9	208.0	208.0	207.7	208.0	208.0	207.9	207.9	207.9	208.0
60.5°	204.1	204.3	204.2	204.3	204.0	204.3	204.2	204.3	204.1	204.3	204.2
61°	200.6	200.6	200.6	200.4	200.6	200.4	200.6	200.6	200.6	200.6	200.6
61.5°	197.0	196.9	196.6	196.8	196.9	196.8	196.6	196.9	197.0	196.9	196.6
62°	193.2	193.1	192.9	192.8	192.8	192.8	192.9	193.1	193.2	193.1	192.9
62.5°	189.3	189.3	189.1	189.0	189.1	189.0	189.1	189.3	189.3	189.3	189.1
63°	185.2	185.4	185.5	185.4	185.3	185.4	185.5	185.4	185.2	185.4	185.5
63.5°	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
64°	177.7	177.5	177.7	177.8	177.8	177.8	177.7	177.5	177.7	177.5	177.7
64.5°	174.1	173.9	173.9	173.6	174.0	173.6	173.9	173.9	174.1	173.9	173.9
65°	169.9	170.0	169.9	169.7	170.0	169.7	169.9	170.0	169.9	170.0	169.9
65.5°	165.9	166.1	166.1	166.1	166.1	166.1	166.1	166.1	165.9	166.1	166.1
66°	162.0	162.3	162.0	162.0	162.1	162.0	162.0	162.3	162.0	162.3	162.0



TEST NUMBER: P938641

CATALOG NUMBER: SMX8RLSFS2W-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	150.2	150.3	150.4	150.1	150.1	150.1	150.4	150.3	150.2	150.3	150.4
68°	146.5	146.5	146.3	146.1	146.4	146.1	146.3	146.5	146.5	146.5	146.3
68.5°	142.4	142.5	142.4	142.5	142.6	142.5	142.4	142.5	142.4	142.5	142.4
69°	138.4	138.4	138.4	138.5	138.5	138.5	138.4	138.4	138.4	138.4	138.4
69.5°	134.2	134.3	134.4	134.4	134.5	134.4	134.4	134.3	134.2	134.3	134.4
70°	130.4	130.5	130.4	130.4	130.3	130.4	130.4	130.5	130.4	130.5	130.4
70.5°	126.6	126.5	126.3	126.5	126.4	126.5	126.3	126.5	126.6	126.5	126.3
71°	122.6	122.4	122.5	122.4	122.4	122.4	122.5	122.4	122.6	122.4	122.5
71.5°	118.6	118.5	118.4	118.4	118.3	118.4	118.4	118.5	118.6	118.5	118.4
72°	114.5	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.5	114.4	114.4
72.5°	110.5	110.4	110.4	110.2	110.4	110.2	110.4	110.4	110.5	110.4	110.4
73°	106.2	106.2	106.2	106.4	106.2	106.4	106.2	106.2	106.2	106.2	106.2
73.5°	102.4	102.3	102.3	102.2	102.2	102.2	102.3	102.3	102.4	102.3	102.3
74°	98.4	98.4	98.4	98.2	98.3	98.2	98.4	98.4	98.4	98.4	98.4
74.5°	94.3	94.2	94.2	94.1	94.1	94.1	94.2	94.2	94.3	94.2	94.2
75°	90.1	90.4	90.2	90.3	90.4	90.3	90.2	90.4	90.1	90.4	90.2
75.5°	86.3	86.2	86.2	86.1	86.1	86.1	86.2	86.2	86.3	86.2	86.2
76°	82.4	82.4	82.3	82.3	82.4	82.3	82.3	82.4	82.4	82.4	82.3
76.5°	78.5	78.4	78.4	78.4	78.6	78.4	78.4	78.4	78.5	78.4	78.4
77°	74.7	74.6	74.4	74.5	74.5	74.5	74.4	74.6	74.7	74.6	74.4
77.5°	70.7	70.7	70.7	70.7	70.6	70.7	70.7	70.7	70.7	70.7	70.7
78°	66.8	66.9	66.8	66.9	66.9	66.9	66.8	66.9	66.8	66.9	66.8
78.5°	63.0	63.0	62.9	62.9	63.1	62.9	62.9	63.0	63.0	63.0	62.9
79°	59.1	59.3	59.0	59.1	59.2	59.1	59.0	59.3	59.1	59.3	59.0
79.5°	55.6	55.5	55.4	55.4	55.6	55.4	55.4	55.5	55.6	55.5	55.4
80°	51.8	51.8	51.8	51.9	51.9	51.9	51.8	51.8	51.8	51.8	51.8
80.5°	48.3	48.3	48.3	48.3	48.2	48.3	48.3	48.3	48.3	48.3	48.3
81°	44.7	44.8	44.7	44.7	44.8	44.7	44.7	44.8	44.7	44.8	44.7
81.5°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
82°	38.1	38.1	38.0	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.0
82.5°	34.7	34.7	34.7	34.6	34.7	34.6	34.7	34.7	34.7	34.7	34.7
83°	31.5	31.5	31.5	31.4	31.5	31.4	31.5	31.5	31.5	31.5	31.5
83.5°	28.4	28.4	28.3	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.3
84°	25.3	25.4	25.3	25.2	25.3	25.2	25.3	25.4	25.3	25.4	25.3
84.5°	22.6	22.6	22.4	22.5	22.5	22.5	22.4	22.6	22.6	22.6	22.4
85°	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6	19.7	19.7
85.5°	17.0	17.0	17.1	17.2	17.3	17.2	17.1	17.0	17.0	17.0	17.1
86°	14.7	14.7	14.7	14.8	14.9	14.8	14.7	14.7	14.7	14.7	14.7
86.5°	12.5	12.5	12.4	12.5	13.1	12.5	12.4	12.5	12.5	12.5	12.4
87°	10.4	10.4	10.4	10.5	10.7	10.5	10.4	10.4	10.4	10.4	10.4
87.5°	8.6	8.5	8.6	8.8	8.9	8.8	8.6	8.5	8.6	8.5	8.6
88°	6.9	6.9	7.0	7.1	7.2	7.1	7.0	6.9	6.9	6.9	7.0
88.5°	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.6



TEST NUMBER: P938641
CATALOG NUMBER: SMX8RLSFS2W-1200LM-2700K

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: P938641

CATALOG NUMBER: SMX8RLSFS2W-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	451.9	451.9	451.9	451.9	451.9	451.9
0.5°	452.4	451.8	452.4	451.9	451.4	452.0
1°	451.9	451.8	451.9	451.8	451.5	451.5
1.5°	451.8	451.5	451.8	451.8	451.5	451.6
2°	451.7	452.1	451.7	451.7	451.5	451.6
2.5°	451.4	451.4	451.4	451.5	451.3	451.6
3°	451.1	451.4	451.1	451.4	451.1	451.4
3.5°	451.2	451.2	451.2	450.8	450.7	451.1
4°	450.5	450.9	450.5	450.9	450.6	450.4
4.5°	450.5	450.9	450.5	450.6	450.4	450.2
5°	450.0	450.3	450.0	450.0	449.9	450.1
5.5°	449.8	449.8	449.8	449.3	449.3	449.8
6°	449.0	449.9	449.0	449.3	448.8	449.3
6.5°	448.6	448.9	448.6	448.7	448.6	449.0
7°	448.2	448.9	448.2	448.2	448.0	448.2
7.5°	447.8	447.9	447.8	447.4	447.7	447.4
8°	446.8	447.7	446.8	447.1	447.1	446.8
8.5°	446.0	446.5	446.0	446.5	446.4	447.0
9°	445.9	446.1	445.9	445.9	445.9	445.8
9.5°	445.0	445.0	445.0	445.0	444.8	445.5
10°	444.6	444.4	444.6	444.5	444.4	444.2
10.5°	443.7	444.3	443.7	443.7	443.1	443.8
11°	442.9	442.9	442.9	442.5	442.3	443.0
11.5°	442.0	441.8	442.0	441.9	441.8	441.3
12°	440.7	440.8	440.7	440.6	441.1	440.9
12.5°	440.2	440.2	440.2	440.1	440.0	440.2
13°	439.1	439.0	439.1	439.2	439.3	439.1
13.5°	438.3	438.2	438.3	438.3	438.1	437.9
14°	437.3	436.6	437.3	437.0	437.2	436.9
14.5°	436.0	436.5	436.0	436.0	435.9	435.9
15°	434.9	434.9	434.9	435.0	434.6	435.4
15.5°	433.8	433.9	433.8	433.8	433.5	433.5
16°	432.9	433.2	432.9	432.7	432.5	432.7
16.5°	431.2	431.5	431.2	431.3	431.3	431.0
17°	430.0	430.4	430.0	430.6	430.0	430.2
17.5°	429.0	428.8	429.0	428.9	428.5	428.9
18°	427.5	428.0	427.5	427.6	427.5	427.5
18.5°	426.3	426.2	426.3	426.2	426.2	426.6
19°	424.7	425.0	424.7	425.1	424.8	424.7
19.5°	423.5	423.7	423.5	423.4	423.4	423.6
20°	421.8	422.0	421.8	422.1	421.5	421.6
20.5°	420.4	420.7	420.4	420.2	420.5	420.8
21°	419.0	418.9	419.0	418.9	419.1	418.7



TEST NUMBER: P938641

CATALOG NUMBER: SMX8RLSFS2W-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	414.4	414.6	414.4	414.1	414.2	414.4
23°	412.7	412.4	412.7	412.5	412.5	412.6
23.5°	411.1	411.4	411.1	411.0	410.8	411.2
24°	409.1	409.3	409.1	409.5	409.1	408.9
24.5°	407.3	407.7	407.3	407.6	407.2	407.8
25°	405.7	405.9	405.7	405.9	405.7	405.8
25.5°	403.7	403.9	403.7	403.9	403.4	403.7
26°	401.9	401.8	401.9	401.8	401.9	401.9
26.5°	400.0	399.7	400.0	399.8	399.8	399.8
27°	398.0	398.5	398.0	398.1	398.3	398.5
27.5°	396.0	395.8	396.0	396.0	395.8	396.2
28°	394.4	394.1	394.4	394.2	394.2	393.9
28.5°	391.8	392.0	391.8	392.0	392.2	392.6
29°	390.2	389.9	390.2	390.1	390.1	390.2
29.5°	387.7	388.0	387.7	387.9	387.6	387.8
30°	385.8	386.0	385.8	386.1	385.8	385.8
30.5°	383.8	383.8	383.8	383.7	383.4	384.1
31°	381.5	381.5	381.5	381.4	381.6	381.5
31.5°	379.4	379.6	379.4	379.4	379.3	379.5
32°	377.0	377.0	377.0	377.3	377.0	377.5
32.5°	374.8	375.1	374.8	374.9	374.8	375.0
33°	372.6	372.2	372.6	372.5	372.2	372.5
33.5°	370.0	369.9	370.0	369.8	370.2	369.8
34°	367.5	368.1	367.5	367.8	367.9	367.7
34.5°	365.5	365.6	365.5	365.5	365.4	365.2
35°	363.0	362.9	363.0	363.1	363.1	362.7
35.5°	360.4	360.6	360.4	360.8	360.3	360.4
36°	357.9	358.3	357.9	358.1	357.8	357.9
36.5°	355.5	355.3	355.5	355.4	355.5	355.6
37°	352.7	352.8	352.7	353.0	352.5	352.9
37.5°	350.4	350.4	350.4	350.5	350.1	350.6
38°	347.8	347.7	347.8	348.0	347.7	348.1
38.5°	345.3	345.1	345.3	345.4	345.2	345.3
39°	342.6	342.4	342.6	342.5	342.9	342.6
39.5°	339.7	340.1	339.7	339.6	339.9	340.0
40°	337.2	337.2	337.2	336.8	337.1	337.3
40.5°	334.4	334.6	334.4	334.3	334.2	334.6
41°	331.6	331.9	331.6	332.0	331.3	331.8
41.5°	328.8	328.7	328.8	328.8	328.8	328.9
42°	326.0	326.3	326.0	325.9	325.7	326.4
42.5°	323.1	323.2	323.1	322.9	323.1	323.1
43°	320.2	320.1	320.2	320.2	320.2	320.2
43.5°	317.4	317.0	317.4	317.2	317.2	317.3

TEST NUMBER: P938641

CATALOG NUMBER: SMX8RLSFSD2W-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	308.3	308.2	308.3	308.5	308.5	308.8
45.5°	305.3	305.5	305.3	305.5	305.4	305.8
46°	302.3	302.7	302.3	302.3	302.5	302.4
46.5°	299.3	299.6	299.3	299.3	299.4	299.4
47°	296.2	296.4	296.2	296.2	296.3	296.4
47.5°	293.1	293.1	293.1	293.2	293.1	293.2
48°	289.9	290.0	289.9	290.0	290.0	290.1
48.5°	286.9	286.7	286.9	286.9	287.0	287.0
49°	283.6	283.9	283.6	283.7	283.8	283.7
49.5°	280.4	280.6	280.4	280.4	280.6	280.5
50°	277.2	277.6	277.2	277.2	277.4	277.3
50.5°	273.8	274.2	273.8	274.0	274.0	274.2
51°	270.6	270.6	270.6	270.8	270.6	270.8
51.5°	267.4	267.3	267.4	267.4	267.5	267.5
52°	264.2	264.2	264.2	264.1	264.2	264.2
52.5°	261.0	260.8	261.0	260.9	260.7	261.0
53°	257.3	257.6	257.3	257.5	257.5	257.5
53.5°	254.0	254.0	254.0	254.1	254.1	254.2
54°	250.7	250.6	250.7	250.8	250.5	250.5
54.5°	247.0	247.5	247.0	247.3	247.1	247.3
55°	243.6	244.1	243.6	243.7	243.8	243.9
55.5°	240.0	240.2	240.0	240.2	240.3	240.6
56°	236.6	236.8	236.6	236.8	236.8	236.6
56.5°	233.2	233.2	233.2	233.2	233.3	233.3
57°	229.5	229.5	229.5	229.6	229.4	229.2
57.5°	225.8	226.2	225.8	226.0	225.9	225.9
58°	222.3	222.5	222.3	222.4	222.6	222.4
58.5°	218.9	218.6	218.9	218.8	219.0	218.9
59°	215.1	215.3	215.1	215.2	215.2	215.2
59.5°	211.3	211.7	211.3	211.5	211.8	211.8
60°	208.0	207.7	208.0	208.0	207.9	207.9
60.5°	204.3	204.0	204.3	204.2	204.3	204.1
61°	200.4	200.6	200.4	200.6	200.6	200.6
61.5°	196.8	196.9	196.8	196.6	196.9	197.0
62°	192.8	192.8	192.8	192.9	193.1	193.2
62.5°	189.0	189.1	189.0	189.1	189.3	189.3
63°	185.4	185.3	185.4	185.5	185.4	185.2
63.5°	181.6	181.6	181.6	181.6	181.6	181.6
64°	177.8	177.8	177.8	177.7	177.5	177.7
64.5°	173.6	174.0	173.6	173.9	173.9	174.1
65°	169.7	170.0	169.7	169.9	170.0	169.9
65.5°	166.1	166.1	166.1	166.1	166.1	165.9
66°	162.0	162.1	162.0	162.0	162.3	162.0



TEST NUMBER: P938641
 CATALOG NUMBER: SMX8RLSFSD2W-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	150.1	150.1	150.1	150.4	150.3	150.2
68°	146.1	146.4	146.1	146.3	146.5	146.5
68.5°	142.5	142.6	142.5	142.4	142.5	142.4
69°	138.5	138.5	138.5	138.4	138.4	138.4
69.5°	134.4	134.5	134.4	134.4	134.3	134.2
70°	130.4	130.3	130.4	130.4	130.5	130.4
70.5°	126.5	126.4	126.5	126.3	126.5	126.6
71°	122.4	122.4	122.4	122.5	122.4	122.6
71.5°	118.4	118.3	118.4	118.4	118.5	118.6
72°	114.4	114.4	114.4	114.4	114.4	114.5
72.5°	110.2	110.4	110.2	110.4	110.4	110.5
73°	106.4	106.2	106.4	106.2	106.2	106.2
73.5°	102.2	102.2	102.2	102.3	102.3	102.4
74°	98.2	98.3	98.2	98.4	98.4	98.4
74.5°	94.1	94.1	94.1	94.2	94.2	94.3
75°	90.3	90.4	90.3	90.2	90.4	90.1
75.5°	86.1	86.1	86.1	86.2	86.2	86.3
76°	82.3	82.4	82.3	82.3	82.4	82.4
76.5°	78.4	78.6	78.4	78.4	78.4	78.5
77°	74.5	74.5	74.5	74.4	74.6	74.7
77.5°	70.7	70.6	70.7	70.7	70.7	70.7
78°	66.9	66.9	66.9	66.8	66.9	66.8
78.5°	62.9	63.1	62.9	62.9	63.0	63.0
79°	59.1	59.2	59.1	59.0	59.3	59.1
79.5°	55.4	55.6	55.4	55.4	55.5	55.6
80°	51.9	51.9	51.9	51.8	51.8	51.8
80.5°	48.3	48.2	48.3	48.3	48.3	48.3
81°	44.7	44.8	44.7	44.7	44.8	44.7
81.5°	41.3	41.3	41.3	41.3	41.3	41.3
82°	38.0	38.0	38.0	38.0	38.1	38.1
82.5°	34.6	34.7	34.6	34.7	34.7	34.7
83°	31.4	31.5	31.4	31.5	31.5	31.5
83.5°	28.3	28.3	28.3	28.3	28.4	28.4
84°	25.2	25.3	25.2	25.3	25.4	25.3
84.5°	22.5	22.5	22.5	22.4	22.6	22.6
85°	19.7	19.8	19.7	19.7	19.7	19.6
85.5°	17.2	17.3	17.2	17.1	17.0	17.0
86°	14.8	14.9	14.8	14.7	14.7	14.7
86.5°	12.5	13.1	12.5	12.4	12.5	12.5
87°	10.5	10.7	10.5	10.4	10.4	10.4
87.5°	8.8	8.9	8.8	8.6	8.5	8.6
88°	7.1	7.2	7.1	7.0	6.9	6.9
88.5°	5.6	5.7	5.6	5.6	5.6	5.6



TEST NUMBER: P938641
CATALOG NUMBER: SMX8RLSFSD2W-1200LM-2700K

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°	417.2	417.3	417.6	417.3	417.3	417.6	417.3	417.2	417.3	417.6
22°	416.1	415.4	416.2	415.7	415.7	416.2	415.4	416.1	415.4	416.2



44°	314.9	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.9	314.4	314.4
44.5°	312.0	311.6	311.3	311.6	311.5	311.6	311.3	311.6	312.0	311.6	311.3



66.5°	158.2	158.1	158.1	158.1	158.3	158.1	158.1	158.1	158.1	158.2	158.1	158.1
67°	154.3	154.2	154.2	154.2	154.4	154.2	154.2	154.2	154.2	154.3	154.2	154.2



89°	4.5	4.4	4.4	4.4	4.6	4.4	4.4	4.4	4.5	4.4	4.4
89.5°	3.4	3.5	3.4	3.5	3.5	3.5	3.4	3.5	3.4	3.5	3.4

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21.5°	417.3	417.3	417.3	417.6	417.3	417.2
22°	415.7	415.7	415.7	416.2	415.4	416.1



44°	314.4	314.4	314.4	314.4	314.4	314.9
44.5°	311.6	311.5	311.6	311.3	311.6	312.0



66.5°	158.1	158.3	158.1	158.1	158.1	158.2
67°	154.2	154.4	154.2	154.2	154.2	154.3



89°	4.4	4.6	4.4	4.4	4.4	4.5
89.5°	3.5	3.5	3.5	3.4	3.5	3.4

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Scaled Data Report



(END OF REPORT)