

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: P938649

Luminaire Tested: SMX8RLSFSD2W-1500LM-4000K

Issue Date: 1/9/2025



Test Information

Test Method: LM-79-2019
Report Number: P938649
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-4000K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

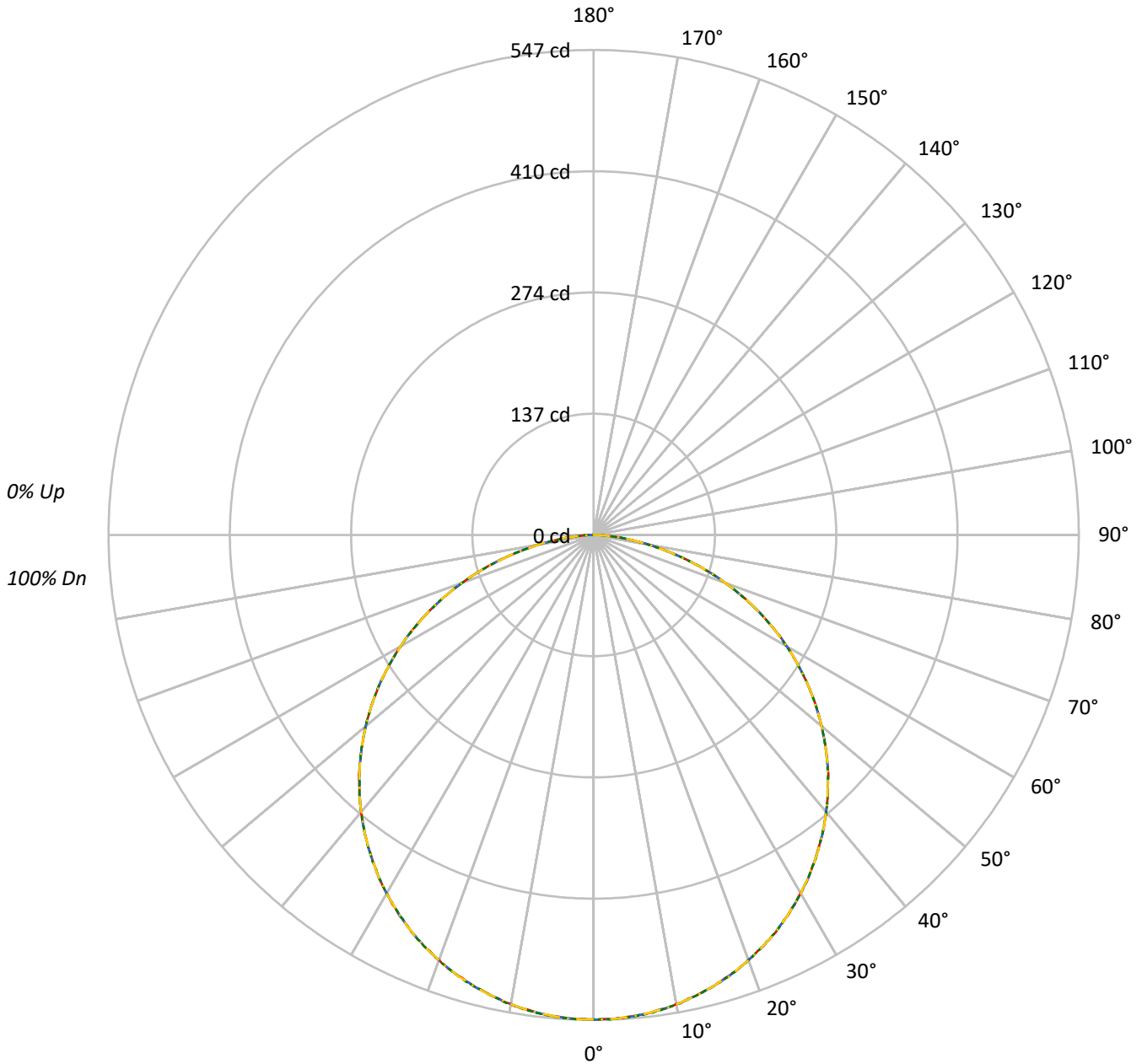
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1600.0 lumens
Efficiency: N/A
Efficacy: 103.2 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: P938649
CATALOG NUMBER: SMX8RLSFS2W-1500LM-4000K

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°	13318	13318	13318	13318
5°	13317	13322	13317	13322
10°	13293	13298	13293	13298
15°	13283	13268	13283	13268
20°	13223	13234	13223	13234
25°	13197	13200	13197	13200
30°	13130	13138	13130	13138
35°	13049	13057	13049	13057
40°	12977	12974	12977	12974
45°	12870	12845	12870	12845
50°	12713	12725	12713	12725
55°	12531	12544	12531	12544
60°	12255	12246	12255	12246
65°	11853	11859	11853	11859
70°	11234	11227	11234	11227
75°	10261	10289	10261	10289
80°	8783	8797	8783	8797
85°	6625	6681	6625	6681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12870 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	3.2
10°-20°	148.5	9.3
20°-30°	226.1	14.1
30°-40°	274.7	17.2
40°-50°	287.8	18.0
50°-60°	263.3	16.5
60°-70°	203.1	12.7
70°-80°	115.5	7.2
80°-90°	29.2	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°	426.4	26.7
0°-40°	701.1	43.8
0°-60°	1252.2	78.3
0°-90°	1600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	547	547	547	547	547	
5°	544	545	544	545	544	52
15°	527	526	527	526	527	149
25°	491	491	491	491	491	226
35°	439	439	439	439	439	275
45°	374	373	374	373	374	288
55°	295	295	295	295	295	263
65°	206	206	206	206	206	203
75°	109	109	109	109	109	116
85°	24	24	24	24	24	29
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°	546.6	546.6	546.6	546.6	546.6	546.6	546.6	546.6	546.6	546.6	546.6
0.5°	546.8	546.1	546.7	547.2	546.5	547.2	546.7	546.1	546.8	546.1	546.7
1°	546.2	546.2	546.5	546.7	546.5	546.7	546.5	546.2	546.2	546.2	546.5
1.5°	546.3	546.2	546.5	546.5	546.2	546.5	546.5	546.2	546.3	546.2	546.5
2°	546.3	546.2	546.4	546.4	546.9	546.4	546.4	546.2	546.3	546.2	546.4
2.5°	546.3	545.9	546.2	546.1	546.1	546.1	546.2	545.9	546.3	545.9	546.2
3°	546.0	545.7	546.1	545.7	546.0	545.7	546.1	545.7	546.0	545.7	546.1
3.5°	545.7	545.2	545.3	545.8	545.8	545.8	545.3	545.2	545.7	545.2	545.3
4°	544.9	545.1	545.4	545.0	545.4	545.0	545.4	545.1	544.9	545.1	545.4
4.5°	544.6	544.9	545.1	545.0	545.4	545.0	545.1	544.9	544.6	544.9	545.1
5°	544.5	544.3	544.4	544.4	544.7	544.4	544.4	544.3	544.5	544.3	544.4
5.5°	544.1	543.5	543.6	544.1	544.2	544.1	543.6	543.5	544.1	543.5	543.6
6°	543.5	542.9	543.6	543.1	544.3	543.1	543.6	542.9	543.5	542.9	543.6
6.5°	543.1	542.6	542.8	542.6	543.0	542.6	542.8	542.6	543.1	542.6	542.8
7°	542.2	541.9	542.2	542.1	543.0	542.1	542.2	541.9	542.2	541.9	542.2
7.5°	541.2	541.5	541.2	541.7	541.8	541.7	541.2	541.5	541.2	541.5	541.2
8°	540.5	540.9	540.8	540.5	541.5	540.5	540.8	540.9	540.5	540.9	540.8
8.5°	540.7	540.0	540.1	539.5	540.1	539.5	540.1	540.0	540.7	540.0	540.1
9°	539.3	539.4	539.4	539.4	539.7	539.4	539.4	539.4	539.3	539.4	539.4
9.5°	538.9	538.1	538.3	538.3	538.4	538.3	538.3	538.1	538.9	538.1	538.3
10°	537.3	537.5	537.6	537.8	537.5	537.8	537.6	537.5	537.3	537.5	537.6
10.5°	536.8	536.0	536.7	536.7	537.4	536.7	536.7	536.0	536.8	536.0	536.7
11°	535.9	535.1	535.3	535.8	535.8	535.8	535.3	535.1	535.9	535.1	535.3
11.5°	533.9	534.4	534.6	534.7	534.5	534.7	534.6	534.4	533.9	534.4	534.6
12°	533.4	533.6	533.0	533.1	533.3	533.1	533.0	533.6	533.4	533.6	533.0
12.5°	532.5	532.2	532.3	532.5	532.5	532.5	532.3	532.2	532.5	532.2	532.3
13°	531.2	531.4	531.3	531.1	531.0	531.1	531.3	531.4	531.2	531.4	531.3
13.5°	529.7	529.9	530.2	530.2	530.1	530.2	530.2	529.9	529.7	529.9	530.2
14°	528.5	528.9	528.6	529.0	528.2	529.0	528.6	528.9	528.5	528.9	528.6
14.5°	527.4	527.3	527.5	527.5	528.0	527.5	527.5	527.3	527.4	527.3	527.5
15°	526.6	525.7	526.2	526.0	526.0	526.0	526.2	525.7	526.6	525.7	526.2
15.5°	524.4	524.4	524.8	524.7	524.9	524.7	524.8	524.4	524.4	524.4	524.8
16°	523.4	523.2	523.4	523.7	524.0	523.7	523.4	523.2	523.4	523.2	523.4
16.5°	521.3	521.8	521.8	521.7	522.0	521.7	521.8	521.8	521.3	521.8	521.8
17°	520.4	520.1	520.9	520.1	520.6	520.1	520.9	520.1	520.4	520.1	520.9
17.5°	518.8	518.4	518.8	519.0	518.7	519.0	518.8	518.4	518.8	518.4	518.8
18°	517.2	517.2	517.3	517.2	517.8	517.2	517.3	517.2	517.2	517.2	517.3
18.5°	516.1	515.5	515.5	515.6	515.5	515.6	515.5	515.5	516.1	515.5	515.5
19°	513.8	513.9	514.2	513.7	514.1	513.7	514.2	513.9	513.8	513.9	514.2
19.5°	512.4	512.2	512.2	512.3	512.6	512.3	512.2	512.2	512.4	512.2	512.2
20°	510.0	509.9	510.5	510.2	510.4	510.2	510.5	509.9	510.0	509.9	510.5
20.5°	509.0	508.7	508.3	508.5	508.9	508.5	508.3	508.7	509.0	508.7	508.3
21°	506.5	507.0	506.7	506.9	506.7	506.9	506.7	507.0	506.5	507.0	506.7



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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°	501.3	501.1	501.0	501.3	501.5	501.3	501.0	501.1	501.3	501.1	501.0
23°	499.1	498.9	499.0	499.2	498.8	499.2	499.0	498.9	499.1	498.9	499.0
23.5°	497.4	496.9	497.2	497.3	497.6	497.3	497.2	496.9	497.4	496.9	497.2
24°	494.7	494.9	495.4	494.9	495.2	494.9	495.4	494.9	494.7	494.9	495.4
24.5°	493.3	492.6	493.0	492.7	493.2	492.7	493.0	492.6	493.3	492.6	493.0
25°	490.9	490.8	491.0	490.8	491.0	490.8	491.0	490.8	490.9	490.8	491.0
25.5°	488.3	487.9	488.5	488.3	488.6	488.3	488.5	487.9	488.3	487.9	488.5
26°	486.2	486.2	486.1	486.2	486.1	486.2	486.1	486.2	486.2	486.2	486.1
26.5°	483.7	483.7	483.7	483.9	483.5	483.9	483.7	483.7	483.7	483.7	483.7
27°	482.0	481.8	481.6	481.4	482.0	481.4	481.6	481.8	482.0	481.8	481.6
27.5°	479.3	478.8	479.1	479.1	478.8	479.1	479.1	478.8	479.3	478.8	479.1
28°	476.5	476.8	476.8	477.1	476.7	477.1	476.8	476.8	476.5	476.8	476.8
28.5°	474.9	474.4	474.2	474.0	474.2	474.0	474.2	474.4	474.9	474.4	474.2
29°	472.0	471.9	471.8	472.0	471.6	472.0	471.8	471.9	472.0	471.9	471.8
29.5°	469.1	468.9	469.2	469.0	469.3	469.0	469.2	468.9	469.1	468.9	469.2
30°	466.7	466.6	467.1	466.7	467.0	466.7	467.1	466.6	466.7	466.6	467.1
30.5°	464.6	463.8	464.1	464.3	464.3	464.3	464.1	463.8	464.6	463.8	464.1
31°	461.5	461.6	461.3	461.5	461.5	461.5	461.3	461.6	461.5	461.6	461.3
31.5°	459.1	458.8	458.9	458.9	459.2	458.9	458.9	458.8	459.1	458.8	458.9
32°	456.7	456.1	456.5	456.1	456.1	456.1	456.5	456.1	456.7	456.1	456.5
32.5°	453.6	453.4	453.5	453.4	453.7	453.4	453.5	453.4	453.6	453.4	453.5
33°	450.7	450.2	450.7	450.8	450.2	450.8	450.7	450.2	450.7	450.2	450.7
33.5°	447.4	447.8	447.4	447.6	447.5	447.6	447.4	447.8	447.4	447.8	447.4
34°	444.8	445.1	444.9	444.5	445.3	444.5	444.9	445.1	444.8	445.1	444.9
34.5°	441.8	442.0	442.1	442.1	442.3	442.1	442.1	442.0	441.8	442.0	442.1
35°	438.7	439.2	439.2	439.1	439.0	439.1	439.2	439.2	438.7	439.2	439.2
35.5°	436.0	435.9	436.4	436.0	436.2	436.0	436.4	435.9	436.0	435.9	436.4
36°	432.9	432.8	433.1	432.9	433.4	432.9	433.1	432.8	432.9	432.8	433.1
36.5°	430.2	430.1	429.9	430.1	429.8	430.1	429.9	430.1	430.2	430.1	429.9
37°	426.9	426.4	427.0	426.6	426.8	426.6	427.0	426.4	426.9	426.4	427.0
37.5°	424.2	423.5	424.0	423.9	423.9	423.9	424.0	423.5	424.2	423.5	424.0
38°	421.1	420.6	421.0	420.7	420.6	420.7	421.0	420.6	421.1	420.6	421.0
38.5°	417.6	417.5	417.9	417.8	417.4	417.8	417.9	417.5	417.6	417.5	417.9
39°	414.4	414.8	414.3	414.4	414.2	414.4	414.3	414.8	414.4	414.8	414.3
39.5°	411.3	411.1	410.8	410.9	411.4	410.9	410.8	411.1	411.3	411.1	410.8
40°	408.0	407.8	407.5	407.9	407.9	407.9	407.5	407.8	408.0	407.8	407.5
40.5°	404.8	404.3	404.4	404.5	404.7	404.5	404.4	404.3	404.8	404.3	404.4
41°	401.3	400.7	401.6	401.1	401.5	401.1	401.6	400.7	401.3	400.7	401.6
41.5°	397.9	397.7	397.8	397.7	397.6	397.7	397.8	397.7	397.9	397.7	397.8
42°	394.8	394.0	394.2	394.3	394.7	394.3	394.2	394.0	394.8	394.0	394.2
42.5°	390.9	390.9	390.6	390.9	391.0	390.9	390.6	390.9	390.9	390.9	390.6
43°	387.3	387.4	387.4	387.3	387.2	387.3	387.4	387.4	387.3	387.4	387.4
43.5°	383.8	383.7	383.7	383.9	383.5	383.9	383.7	383.7	383.8	383.7	383.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	373.5	373.1	373.1	372.9	372.8	372.9	373.1	373.1	373.5	373.1	373.1
45.5°	369.9	369.5	369.6	369.4	369.6	369.4	369.6	369.5	369.9	369.5	369.6
46°	365.8	365.9	365.7	365.7	366.2	365.7	365.7	365.9	365.8	365.9	365.7
46.5°	362.2	362.2	362.0	362.0	362.4	362.0	362.0	362.2	362.2	362.2	362.0
47°	358.6	358.5	358.4	358.3	358.6	358.3	358.4	358.5	358.6	358.5	358.4
47.5°	354.7	354.6	354.7	354.6	354.6	354.6	354.7	354.6	354.7	354.6	354.7
48°	350.9	350.8	350.8	350.7	350.8	350.7	350.8	350.8	350.9	350.8	350.8
48.5°	347.2	347.2	347.1	347.1	346.9	347.1	347.1	347.2	347.2	347.2	347.1
49°	343.2	343.3	343.2	343.1	343.4	343.1	343.2	343.3	343.2	343.3	343.2
49.5°	339.3	339.4	339.2	339.2	339.4	339.2	339.2	339.4	339.3	339.4	339.2
50°	335.4	335.5	335.3	335.3	335.7	335.3	335.3	335.5	335.4	335.5	335.3
50.5°	331.7	331.5	331.5	331.3	331.7	331.3	331.5	331.5	331.7	331.5	331.5
51°	327.6	327.4	327.6	327.3	327.4	327.3	327.6	327.4	327.6	327.4	327.6
51.5°	323.6	323.6	323.4	323.4	323.3	323.4	323.4	323.6	323.6	323.6	323.4
52°	319.7	319.6	319.4	319.6	319.6	319.6	319.4	319.6	319.7	319.6	319.4
52.5°	315.8	315.4	315.6	315.8	315.5	315.8	315.6	315.4	315.8	315.4	315.6
53°	311.5	311.5	311.5	311.3	311.6	311.3	311.5	311.5	311.5	311.5	311.5
53.5°	307.5	307.4	307.4	307.2	307.2	307.2	307.4	307.4	307.5	307.4	307.4
54°	303.0	303.0	303.4	303.3	303.2	303.3	303.4	303.0	303.0	303.0	303.4
54.5°	299.2	298.9	299.2	298.8	299.4	298.8	299.2	298.9	299.2	298.9	299.2
55°	295.0	294.9	294.8	294.7	295.3	294.7	294.8	294.9	295.0	294.9	294.8
55.5°	291.0	290.7	290.6	290.3	290.5	290.3	290.6	290.7	291.0	290.7	290.6
56°	286.2	286.4	286.4	286.2	286.4	286.2	286.4	286.4	286.2	286.4	286.4
56.5°	282.2	282.2	282.1	282.1	282.1	282.1	282.1	282.2	282.2	282.2	282.1
57°	277.3	277.5	277.8	277.6	277.6	277.6	277.8	277.5	277.3	277.5	277.8
57.5°	273.3	273.3	273.4	273.1	273.6	273.1	273.4	273.3	273.3	273.3	273.4
58°	269.0	269.3	269.0	268.9	269.1	268.9	269.0	269.3	269.0	269.3	269.0
58.5°	264.9	265.0	264.6	264.7	264.4	264.7	264.6	265.0	264.9	265.0	264.6
59°	260.4	260.4	260.4	260.2	260.5	260.2	260.4	260.4	260.4	260.4	260.4
59.5°	256.2	256.2	255.9	255.6	256.1	255.6	255.9	256.2	256.2	256.2	255.9
60°	251.5	251.5	251.6	251.6	251.3	251.6	251.6	251.5	251.5	251.5	251.6
60.5°	246.9	247.1	247.0	247.1	246.7	247.1	247.0	247.1	246.9	247.1	247.0
61°	242.6	242.6	242.6	242.4	242.6	242.4	242.6	242.6	242.6	242.6	242.6
61.5°	238.3	238.2	237.9	238.1	238.2	238.1	237.9	238.2	238.3	238.2	237.9
62°	233.7	233.6	233.4	233.3	233.3	233.3	233.4	233.6	233.7	233.6	233.4
62.5°	229.0	229.0	228.8	228.7	228.8	228.7	228.8	229.0	229.0	229.0	228.8
63°	224.0	224.3	224.4	224.3	224.2	224.3	224.4	224.3	224.0	224.3	224.4
63.5°	219.7	219.6	219.6	219.6	219.7	219.6	219.6	219.6	219.7	219.6	219.6
64°	214.9	214.7	214.9	215.0	215.0	215.0	214.9	214.7	214.9	214.7	214.9
64.5°	210.7	210.4	210.4	209.9	210.5	209.9	210.4	210.4	210.7	210.4	210.4
65°	205.6	205.7	205.6	205.3	205.7	205.3	205.6	205.7	205.6	205.7	205.6
65.5°	200.7	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.7	200.9	200.9
66°	196.0	196.3	196.0	196.0	196.1	196.0	196.0	196.3	196.0	196.3	196.0



TEST NUMBER: P938649

CATALOG NUMBER: SMX8RLSFS2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	181.7	181.8	181.9	181.5	181.5	181.5	181.9	181.8	181.7	181.8	181.9
68°	177.2	177.2	176.9	176.7	177.0	176.7	176.9	177.2	177.2	177.2	176.9
68.5°	172.3	172.4	172.3	172.4	172.6	172.4	172.3	172.4	172.3	172.4	172.3
69°	167.5	167.4	167.5	167.6	167.6	167.6	167.5	167.4	167.5	167.4	167.5
69.5°	162.4	162.5	162.6	162.6	162.7	162.6	162.6	162.5	162.4	162.5	162.6
70°	157.7	157.9	157.7	157.7	157.6	157.7	157.7	157.9	157.7	157.9	157.7
70.5°	153.1	153.0	152.8	153.0	152.9	153.0	152.8	153.0	153.1	153.0	152.8
71°	148.3	148.1	148.2	148.0	148.0	148.0	148.2	148.1	148.3	148.1	148.2
71.5°	143.4	143.3	143.2	143.2	143.1	143.2	143.2	143.3	143.4	143.3	143.2
72°	138.5	138.4	138.3	138.3	138.3	138.3	138.3	138.4	138.5	138.4	138.3
72.5°	133.6	133.5	133.5	133.3	133.5	133.3	133.5	133.5	133.6	133.5	133.5
73°	128.5	128.5	128.5	128.7	128.5	128.7	128.5	128.5	128.5	128.5	128.5
73.5°	123.9	123.8	123.8	123.7	123.7	123.7	123.8	123.8	123.9	123.8	123.8
74°	119.0	119.0	119.0	118.8	118.9	118.8	119.0	119.0	119.0	119.0	119.0
74.5°	114.1	114.0	114.0	113.9	113.9	113.9	114.0	114.0	114.1	114.0	114.0
75°	109.0	109.3	109.1	109.2	109.3	109.2	109.1	109.3	109.0	109.3	109.1
75.5°	104.4	104.3	104.3	104.2	104.2	104.2	104.3	104.3	104.4	104.3	104.3
76°	99.7	99.6	99.5	99.5	99.6	99.5	99.5	99.6	99.7	99.6	99.5
76.5°	94.9	94.8	94.8	94.8	95.0	94.8	94.8	94.8	94.9	94.8	94.8
77°	90.4	90.3	90.0	90.2	90.2	90.2	90.0	90.3	90.4	90.3	90.0
77.5°	85.5	85.6	85.5	85.5	85.4	85.5	85.5	85.6	85.5	85.6	85.5
78°	80.8	80.9	80.8	80.9	81.0	80.9	80.8	80.9	80.8	80.9	80.8
78.5°	76.2	76.2	76.1	76.1	76.3	76.1	76.1	76.2	76.2	76.2	76.1
79°	71.5	71.7	71.4	71.5	71.6	71.5	71.4	71.7	71.5	71.7	71.4
79.5°	67.2	67.1	67.0	67.0	67.2	67.0	67.0	67.1	67.2	67.1	67.0
80°	62.6	62.6	62.6	62.7	62.7	62.7	62.6	62.6	62.6	62.6	62.6
80.5°	58.4	58.4	58.4	58.4	58.3	58.4	58.4	58.4	58.4	58.4	58.4
81°	54.1	54.2	54.1	54.1	54.2	54.1	54.1	54.2	54.1	54.2	54.1
81.5°	50.0	50.0	50.0	49.9	50.0	49.9	50.0	50.0	50.0	50.0	50.0
82°	46.0	46.0	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	45.9
82.5°	42.0	42.0	42.0	41.9	42.0	41.9	42.0	42.0	42.0	42.0	42.0
83°	38.1	38.1	38.1	38.0	38.1	38.0	38.1	38.1	38.1	38.1	38.1
83.5°	34.3	34.3	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.2
84°	30.7	30.8	30.7	30.5	30.7	30.5	30.7	30.8	30.7	30.8	30.7
84.5°	27.3	27.3	27.1	27.2	27.2	27.2	27.1	27.3	27.3	27.3	27.1
85°	23.7	23.8	23.8	23.8	23.9	23.8	23.8	23.8	23.7	23.8	23.8
85.5°	20.6	20.6	20.7	20.8	21.0	20.8	20.7	20.6	20.6	20.6	20.7
86°	17.7	17.7	17.8	17.9	18.0	17.9	17.8	17.7	17.7	17.7	17.8
86.5°	15.1	15.1	15.0	15.2	15.8	15.2	15.0	15.1	15.1	15.1	15.0
87°	12.5	12.6	12.6	12.7	12.9	12.7	12.6	12.6	12.5	12.6	12.6
87.5°	10.4	10.3	10.4	10.6	10.8	10.6	10.4	10.3	10.4	10.3	10.4
88°	8.4	8.4	8.5	8.6	8.8	8.6	8.5	8.4	8.4	8.4	8.5
88.5°	6.7	6.7	6.7	6.7	6.9	6.7	6.7	6.7	6.7	6.7	6.7



TEST NUMBER: P938649
CATALOG NUMBER: SMX8RLSFSD2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P938649

CATALOG NUMBER: SMX8RLSFS2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	546.6	546.6	546.6	546.6	546.6	546.6
0.5°	547.2	546.5	547.2	546.7	546.1	546.8
1°	546.7	546.5	546.7	546.5	546.2	546.2
1.5°	546.5	546.2	546.5	546.5	546.2	546.3
2°	546.4	546.9	546.4	546.4	546.2	546.3
2.5°	546.1	546.1	546.1	546.2	545.9	546.3
3°	545.7	546.0	545.7	546.1	545.7	546.0
3.5°	545.8	545.8	545.8	545.3	545.2	545.7
4°	545.0	545.4	545.0	545.4	545.1	544.9
4.5°	545.0	545.4	545.0	545.1	544.9	544.6
5°	544.4	544.7	544.4	544.4	544.3	544.5
5.5°	544.1	544.2	544.1	543.6	543.5	544.1
6°	543.1	544.3	543.1	543.6	542.9	543.5
6.5°	542.6	543.0	542.6	542.8	542.6	543.1
7°	542.1	543.0	542.1	542.2	541.9	542.2
7.5°	541.7	541.8	541.7	541.2	541.5	541.2
8°	540.5	541.5	540.5	540.8	540.9	540.5
8.5°	539.5	540.1	539.5	540.1	540.0	540.7
9°	539.4	539.7	539.4	539.4	539.4	539.3
9.5°	538.3	538.4	538.3	538.3	538.1	538.9
10°	537.8	537.5	537.8	537.6	537.5	537.3
10.5°	536.7	537.4	536.7	536.7	536.0	536.8
11°	535.8	535.8	535.8	535.3	535.1	535.9
11.5°	534.7	534.5	534.7	534.6	534.4	533.9
12°	533.1	533.3	533.1	533.0	533.6	533.4
12.5°	532.5	532.5	532.5	532.3	532.2	532.5
13°	531.1	531.0	531.1	531.3	531.4	531.2
13.5°	530.2	530.1	530.2	530.2	529.9	529.7
14°	529.0	528.2	529.0	528.6	528.9	528.5
14.5°	527.5	528.0	527.5	527.5	527.3	527.4
15°	526.0	526.0	526.0	526.2	525.7	526.6
15.5°	524.7	524.9	524.7	524.8	524.4	524.4
16°	523.7	524.0	523.7	523.4	523.2	523.4
16.5°	521.7	522.0	521.7	521.8	521.8	521.3
17°	520.1	520.6	520.1	520.9	520.1	520.4
17.5°	519.0	518.7	519.0	518.8	518.4	518.8
18°	517.2	517.8	517.2	517.3	517.2	517.2
18.5°	515.6	515.5	515.6	515.5	515.5	516.1
19°	513.7	514.1	513.7	514.2	513.9	513.8
19.5°	512.3	512.6	512.3	512.2	512.2	512.4
20°	510.2	510.4	510.2	510.5	509.9	510.0
20.5°	508.5	508.9	508.5	508.3	508.7	509.0
21°	506.9	506.7	506.9	506.7	507.0	506.5

TEST NUMBER: P938649

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	501.3	501.5	501.3	501.0	501.1	501.3
23°	499.2	498.8	499.2	499.0	498.9	499.1
23.5°	497.3	497.6	497.3	497.2	496.9	497.4
24°	494.9	495.2	494.9	495.4	494.9	494.7
24.5°	492.7	493.2	492.7	493.0	492.6	493.3
25°	490.8	491.0	490.8	491.0	490.8	490.9
25.5°	488.3	488.6	488.3	488.5	487.9	488.3
26°	486.2	486.1	486.2	486.1	486.2	486.2
26.5°	483.9	483.5	483.9	483.7	483.7	483.7
27°	481.4	482.0	481.4	481.6	481.8	482.0
27.5°	479.1	478.8	479.1	479.1	478.8	479.3
28°	477.1	476.7	477.1	476.8	476.8	476.5
28.5°	474.0	474.2	474.0	474.2	474.4	474.9
29°	472.0	471.6	472.0	471.8	471.9	472.0
29.5°	469.0	469.3	469.0	469.2	468.9	469.1
30°	466.7	467.0	466.7	467.1	466.6	466.7
30.5°	464.3	464.3	464.3	464.1	463.8	464.6
31°	461.5	461.5	461.5	461.3	461.6	461.5
31.5°	458.9	459.2	458.9	458.9	458.8	459.1
32°	456.1	456.1	456.1	456.5	456.1	456.7
32.5°	453.4	453.7	453.4	453.5	453.4	453.6
33°	450.8	450.2	450.8	450.7	450.2	450.7
33.5°	447.6	447.5	447.6	447.4	447.8	447.4
34°	444.5	445.3	444.5	444.9	445.1	444.8
34.5°	442.1	442.3	442.1	442.1	442.0	441.8
35°	439.1	439.0	439.1	439.2	439.2	438.7
35.5°	436.0	436.2	436.0	436.4	435.9	436.0
36°	432.9	433.4	432.9	433.1	432.8	432.9
36.5°	430.1	429.8	430.1	429.9	430.1	430.2
37°	426.6	426.8	426.6	427.0	426.4	426.9
37.5°	423.9	423.9	423.9	424.0	423.5	424.2
38°	420.7	420.6	420.7	421.0	420.6	421.1
38.5°	417.8	417.4	417.8	417.9	417.5	417.6
39°	414.4	414.2	414.4	414.3	414.8	414.4
39.5°	410.9	411.4	410.9	410.8	411.1	411.3
40°	407.9	407.9	407.9	407.5	407.8	408.0
40.5°	404.5	404.7	404.5	404.4	404.3	404.8
41°	401.1	401.5	401.1	401.6	400.7	401.3
41.5°	397.7	397.6	397.7	397.8	397.7	397.9
42°	394.3	394.7	394.3	394.2	394.0	394.8
42.5°	390.9	391.0	390.9	390.6	390.9	390.9
43°	387.3	387.2	387.3	387.4	387.4	387.3
43.5°	383.9	383.5	383.9	383.7	383.7	383.8

TEST NUMBER: P938649

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	372.9	372.8	372.9	373.1	373.1	373.5
45.5°	369.4	369.6	369.4	369.6	369.5	369.9
46°	365.7	366.2	365.7	365.7	365.9	365.8
46.5°	362.0	362.4	362.0	362.0	362.2	362.2
47°	358.3	358.6	358.3	358.4	358.5	358.6
47.5°	354.6	354.6	354.6	354.7	354.6	354.7
48°	350.7	350.8	350.7	350.8	350.8	350.9
48.5°	347.1	346.9	347.1	347.1	347.2	347.2
49°	343.1	343.4	343.1	343.2	343.3	343.2
49.5°	339.2	339.4	339.2	339.2	339.4	339.3
50°	335.3	335.7	335.3	335.3	335.5	335.4
50.5°	331.3	331.7	331.3	331.5	331.5	331.7
51°	327.3	327.4	327.3	327.6	327.4	327.6
51.5°	323.4	323.3	323.4	323.4	323.6	323.6
52°	319.6	319.6	319.6	319.4	319.6	319.7
52.5°	315.8	315.5	315.8	315.6	315.4	315.8
53°	311.3	311.6	311.3	311.5	311.5	311.5
53.5°	307.2	307.2	307.2	307.4	307.4	307.5
54°	303.3	303.2	303.3	303.4	303.0	303.0
54.5°	298.8	299.4	298.8	299.2	298.9	299.2
55°	294.7	295.3	294.7	294.8	294.9	295.0
55.5°	290.3	290.5	290.3	290.6	290.7	291.0
56°	286.2	286.4	286.2	286.4	286.4	286.2
56.5°	282.1	282.1	282.1	282.1	282.2	282.2
57°	277.6	277.6	277.6	277.8	277.5	277.3
57.5°	273.1	273.6	273.1	273.4	273.3	273.3
58°	268.9	269.1	268.9	269.0	269.3	269.0
58.5°	264.7	264.4	264.7	264.6	265.0	264.9
59°	260.2	260.5	260.2	260.4	260.4	260.4
59.5°	255.6	256.1	255.6	255.9	256.2	256.2
60°	251.6	251.3	251.6	251.6	251.5	251.5
60.5°	247.1	246.7	247.1	247.0	247.1	246.9
61°	242.4	242.6	242.4	242.6	242.6	242.6
61.5°	238.1	238.2	238.1	237.9	238.2	238.3
62°	233.3	233.3	233.3	233.4	233.6	233.7
62.5°	228.7	228.8	228.7	228.8	229.0	229.0
63°	224.3	224.2	224.3	224.4	224.3	224.0
63.5°	219.6	219.7	219.6	219.6	219.6	219.7
64°	215.0	215.0	215.0	214.9	214.7	214.9
64.5°	209.9	210.5	209.9	210.4	210.4	210.7
65°	205.3	205.7	205.3	205.6	205.7	205.6
65.5°	200.9	200.9	200.9	200.9	200.9	200.7
66°	196.0	196.1	196.0	196.0	196.3	196.0



TEST NUMBER: P938649

CATALOG NUMBER: SMX8RLSFS2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	181.5	181.5	181.5	181.9	181.8	181.7
68°	176.7	177.0	176.7	176.9	177.2	177.2
68.5°	172.4	172.6	172.4	172.3	172.4	172.3
69°	167.6	167.6	167.6	167.5	167.4	167.5
69.5°	162.6	162.7	162.6	162.6	162.5	162.4
70°	157.7	157.6	157.7	157.7	157.9	157.7
70.5°	153.0	152.9	153.0	152.8	153.0	153.1
71°	148.0	148.0	148.0	148.2	148.1	148.3
71.5°	143.2	143.1	143.2	143.2	143.3	143.4
72°	138.3	138.3	138.3	138.3	138.4	138.5
72.5°	133.3	133.5	133.3	133.5	133.5	133.6
73°	128.7	128.5	128.7	128.5	128.5	128.5
73.5°	123.7	123.7	123.7	123.8	123.8	123.9
74°	118.8	118.9	118.8	119.0	119.0	119.0
74.5°	113.9	113.9	113.9	114.0	114.0	114.1
75°	109.2	109.3	109.2	109.1	109.3	109.0
75.5°	104.2	104.2	104.2	104.3	104.3	104.4
76°	99.5	99.6	99.5	99.5	99.6	99.7
76.5°	94.8	95.0	94.8	94.8	94.8	94.9
77°	90.2	90.2	90.2	90.0	90.3	90.4
77.5°	85.5	85.4	85.5	85.5	85.6	85.5
78°	80.9	81.0	80.9	80.8	80.9	80.8
78.5°	76.1	76.3	76.1	76.1	76.2	76.2
79°	71.5	71.6	71.5	71.4	71.7	71.5
79.5°	67.0	67.2	67.0	67.0	67.1	67.2
80°	62.7	62.7	62.7	62.6	62.6	62.6
80.5°	58.4	58.3	58.4	58.4	58.4	58.4
81°	54.1	54.2	54.1	54.1	54.2	54.1
81.5°	49.9	50.0	49.9	50.0	50.0	50.0
82°	45.9	45.9	45.9	45.9	46.0	46.0
82.5°	41.9	42.0	41.9	42.0	42.0	42.0
83°	38.0	38.1	38.0	38.1	38.1	38.1
83.5°	34.2	34.2	34.2	34.2	34.3	34.3
84°	30.5	30.7	30.5	30.7	30.8	30.7
84.5°	27.2	27.2	27.2	27.1	27.3	27.3
85°	23.8	23.9	23.8	23.8	23.8	23.7
85.5°	20.8	21.0	20.8	20.7	20.6	20.6
86°	17.9	18.0	17.9	17.8	17.7	17.7
86.5°	15.2	15.8	15.2	15.0	15.1	15.1
87°	12.7	12.9	12.7	12.6	12.6	12.5
87.5°	10.6	10.8	10.6	10.4	10.3	10.4
88°	8.6	8.8	8.6	8.5	8.4	8.4
88.5°	6.7	6.9	6.7	6.7	6.7	6.7



TEST NUMBER: P938649
CATALOG NUMBER: SMX8RLSFSD2W-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

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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°	504.6	504.7	505.2	504.7	504.8	504.7	505.2	504.7	504.6	504.7	505.2
22°	503.3	502.5	503.4	502.8	502.9	502.8	503.4	502.5	503.3	502.5	503.4



44°	381.0	380.3	380.3	380.4	380.4	380.3	380.3	381.0	380.3	380.3
44.5°	377.4	376.9	376.6	376.8	376.9	376.6	376.9	377.4	376.9	376.6



66.5°	191.4	191.3	191.2	191.3	191.5	191.3	191.2	191.3	191.4	191.3	191.2
67°	186.6	186.5	186.5	186.5	186.7	186.5	186.5	186.5	186.6	186.5	186.5



89°	5.4	5.3	5.3	5.3	5.6	5.3	5.3	5.3	5.4	5.3	5.3
89.5°	4.1	4.2	4.1	4.2	4.3	4.2	4.1	4.2	4.1	4.2	4.1

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21.5°	504.7	504.8	504.7	505.2	504.7	504.6
22°	502.8	502.9	502.8	503.4	502.5	503.3



44°	380.4	380.4	380.4	380.3	380.3	381.0
44.5°	376.9	376.8	376.9	376.6	376.9	377.4



66.5°	191.3	191.5	191.3	191.2	191.3	191.4
67°	186.5	186.7	186.5	186.5	186.5	186.6



89°	5.3	5.6	5.3	5.3	5.3	5.4
89.5°	4.2	4.3	4.2	4.1	4.2	4.1

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(END OF REPORT)