

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: P938650

Luminaire Tested: SMX8RLSFSD2W-1500LM-5000K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938650
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: SMX8RLSFS2W-1500LM-5000K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

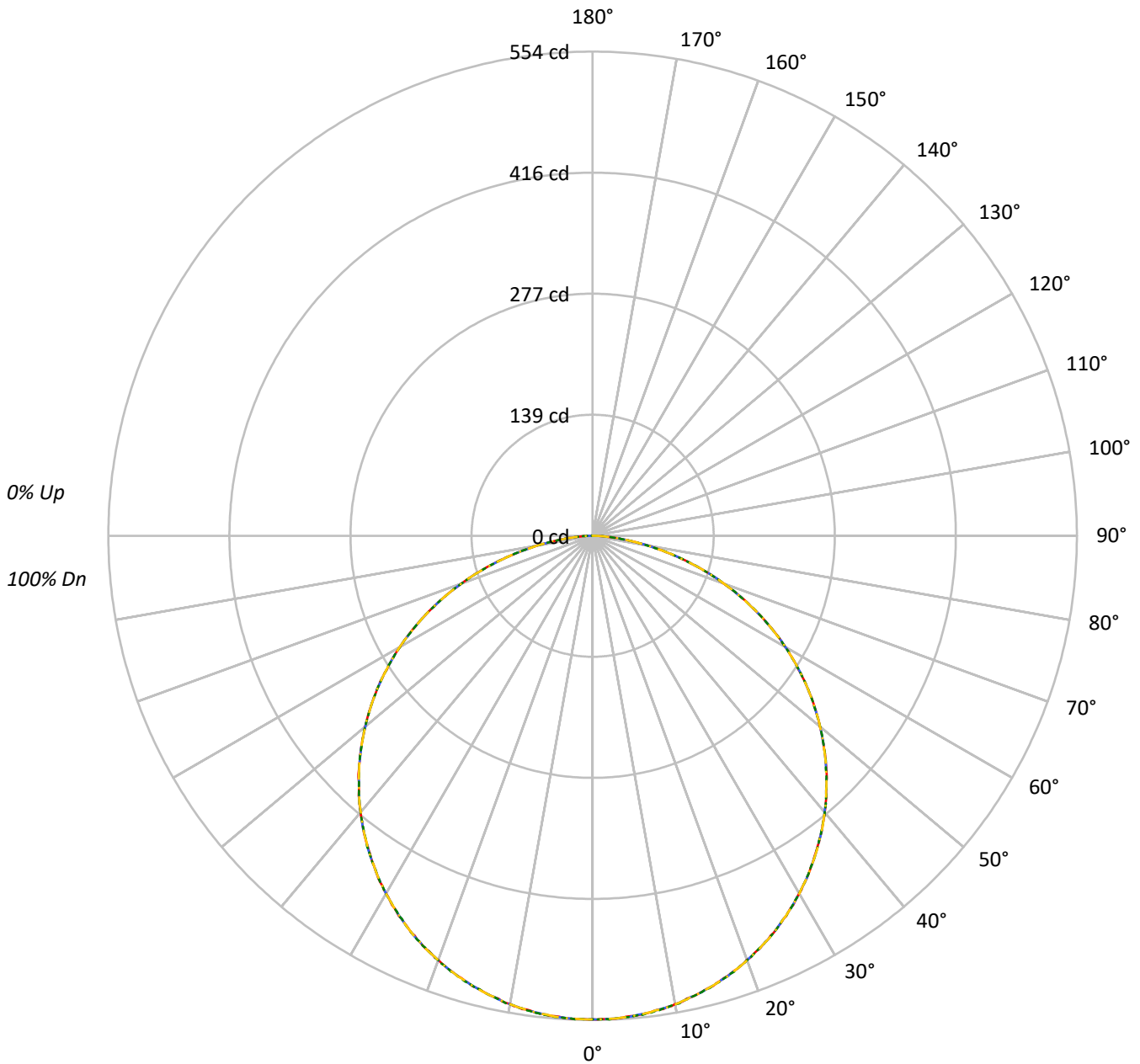
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1620.0 lumens
Efficiency: N/A
Efficacy: 104.5 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

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CATALOG NUMBER: SMX8RLSFS2W-1500LM-5000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	13483	13483	13483	13483
5°	13483	13488	13483	13488
10°	13461	13466	13461	13466
15°	13449	13434	13449	13434
20°	13389	13400	13389	13400
25°	13361	13364	13361	13364
30°	13296	13302	13296	13302
35°	13212	13221	13212	13221
40°	13139	13136	13139	13136
45°	13031	13007	13031	13007
50°	12872	12884	12872	12884
55°	12688	12701	12688	12701
60°	12406	12397	12406	12397
65°	11997	12003	11997	12003
70°	11377	11369	11377	11369
75°	10393	10421	10393	10421
80°	8896	8910	8896	8910
85°	6709	6765	6709	6765

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	3.2
10°-20°	150.4	9.3
20°-30°	229.0	14.1
30°-40°	278.1	17.2
40°-50°	291.4	18.0
50°-60°	266.6	16.5
60°-70°	205.6	12.7
70°-80°	116.9	7.2
80°-90°	29.6	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°	431.7	26.7
0°-40°	709.9	43.8
0°-60°	1267.8	78.3
0°-90°	1620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1620.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	553	553	553	553	553	
5°	551	552	551	552	551	52
15°	533	533	533	533	533	150
25°	497	497	497	497	497	229
35°	444	444	444	444	444	278
45°	378	378	378	378	378	292
55°	299	299	299	299	299	267
65°	208	208	208	208	208	206
75°	110	111	110	111	110	117
85°	24	24	24	24	24	30
90°	0	0	0	0	0	



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CATALOG NUMBER: SMX8RLSFSD2W-1500LM-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
0.5°	553.6	552.9	553.5	554.1	553.3	554.1	553.5	552.9	553.6	552.9	553.5
1°	553.0	553.0	553.3	553.5	553.3	553.5	553.3	553.0	553.0	553.0	553.3
1.5°	553.1	553.0	553.3	553.3	553.0	553.3	553.3	553.0	553.1	553.0	553.3
2°	553.1	553.0	553.2	553.2	553.8	553.2	553.2	553.0	553.1	553.0	553.2
2.5°	553.1	552.7	553.0	552.9	552.9	552.9	553.0	552.7	553.1	552.7	553.0
3°	552.8	552.5	552.9	552.5	552.8	552.5	552.9	552.5	552.8	552.5	552.9
3.5°	552.5	552.0	552.1	552.6	552.6	552.6	552.1	552.0	552.5	552.0	552.1
4°	551.7	551.9	552.2	551.8	552.2	551.8	552.2	551.9	551.7	551.9	552.2
4.5°	551.4	551.7	551.9	551.8	552.2	551.8	551.9	551.7	551.4	551.7	551.9
5°	551.3	551.1	551.2	551.2	551.5	551.2	551.2	551.1	551.3	551.1	551.2
5.5°	550.9	550.2	550.3	550.9	551.0	550.9	550.3	550.2	550.9	550.2	550.3
6°	550.2	549.7	550.3	549.9	551.1	549.9	550.3	549.7	550.2	549.7	550.3
6.5°	549.9	549.4	549.6	549.4	549.8	549.4	549.6	549.4	549.9	549.4	549.6
7°	549.0	548.7	549.0	548.9	549.8	548.9	549.0	548.7	549.0	548.7	549.0
7.5°	548.0	548.3	548.0	548.5	548.6	548.5	548.0	548.3	548.0	548.3	548.0
8°	547.3	547.7	547.6	547.3	548.3	547.3	547.6	547.7	547.3	547.7	547.6
8.5°	547.5	546.7	546.8	546.2	546.8	546.2	546.8	546.7	547.5	546.7	546.8
9°	546.0	546.1	546.1	546.1	546.4	546.1	546.1	546.1	546.0	546.1	546.1
9.5°	545.6	544.8	545.0	545.0	545.1	545.0	545.0	544.8	545.6	544.8	545.0
10°	544.1	544.3	544.4	544.6	544.3	544.6	544.4	544.3	544.1	544.3	544.4
10.5°	543.5	542.7	543.4	543.4	544.2	543.4	543.4	542.7	543.5	542.7	543.4
11°	542.6	541.8	542.0	542.5	542.5	542.5	542.0	541.8	542.6	541.8	542.0
11.5°	540.6	541.1	541.3	541.4	541.2	541.4	541.3	541.1	540.6	541.1	541.3
12°	540.0	540.2	539.6	539.7	539.9	539.7	539.6	540.2	540.0	540.2	539.6
12.5°	539.1	538.9	539.0	539.1	539.1	539.1	539.0	538.9	539.1	538.9	539.0
13°	537.9	538.1	538.0	537.8	537.7	537.8	538.0	538.1	537.9	538.1	538.0
13.5°	536.3	536.5	536.8	536.8	536.7	536.8	536.8	536.5	536.3	536.5	536.8
14°	535.1	535.5	535.2	535.6	534.8	535.6	535.2	535.5	535.1	535.5	535.2
14.5°	533.9	533.8	534.1	534.1	534.6	534.1	534.1	533.8	533.9	533.8	534.1
15°	533.2	532.3	532.8	532.6	532.6	532.6	532.8	532.3	533.2	532.3	532.8
15.5°	531.0	531.0	531.4	531.3	531.5	531.3	531.4	531.0	531.0	531.0	531.4
16°	529.9	529.7	529.9	530.2	530.5	530.2	529.9	529.7	529.9	529.7	529.9
16.5°	527.9	528.3	528.3	528.2	528.5	528.2	528.3	528.3	527.9	528.3	528.3
17°	526.9	526.6	527.5	526.6	527.1	526.6	527.5	526.6	526.9	526.6	527.5
17.5°	525.3	524.9	525.3	525.5	525.2	525.5	525.3	524.9	525.3	524.9	525.3
18°	523.6	523.6	523.7	523.6	524.3	523.6	523.7	523.6	523.6	523.6	523.7
18.5°	522.5	522.0	522.0	522.1	522.0	522.1	522.0	522.0	522.5	522.0	522.0
19°	520.2	520.3	520.6	520.1	520.5	520.1	520.6	520.3	520.2	520.3	520.6
19.5°	518.8	518.6	518.6	518.7	519.0	518.7	518.6	518.6	518.8	518.6	518.6
20°	516.4	516.3	516.9	516.6	516.8	516.6	516.9	516.3	516.4	516.3	516.9
20.5°	515.4	515.1	514.7	514.9	515.3	514.9	514.7	515.1	515.4	515.1	514.7
21°	512.8	513.3	513.0	513.2	513.0	513.2	513.0	513.3	512.8	513.3	513.0



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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°	507.5	507.3	507.2	507.5	507.8	507.5	507.2	507.3	507.5	507.3	507.2
23°	505.4	505.2	505.3	505.5	505.1	505.5	505.3	505.2	505.4	505.2	505.3
23.5°	503.6	503.1	503.4	503.5	503.8	503.5	503.4	503.1	503.6	503.1	503.4
24°	500.8	501.0	501.6	501.0	501.4	501.0	501.6	501.0	500.8	501.0	501.6
24.5°	499.5	498.8	499.2	498.9	499.4	498.9	499.2	498.8	499.5	498.8	499.2
25°	497.0	496.9	497.1	496.9	497.1	496.9	497.1	496.9	497.0	496.9	497.1
25.5°	494.4	494.0	494.7	494.4	494.8	494.4	494.7	494.0	494.4	494.0	494.7
26°	492.3	492.3	492.2	492.3	492.2	492.3	492.2	492.3	492.3	492.3	492.2
26.5°	489.7	489.7	489.7	489.9	489.5	489.9	489.7	489.7	489.7	489.7	489.7
27°	488.1	487.8	487.6	487.4	488.1	487.4	487.6	487.8	488.1	487.8	487.6
27.5°	485.3	484.8	485.1	485.1	484.8	485.1	485.1	484.8	485.3	484.8	485.1
28°	482.5	482.8	482.8	483.1	482.7	483.1	482.8	482.8	482.5	482.8	482.8
28.5°	480.8	480.3	480.1	479.9	480.1	479.9	480.1	480.3	480.8	480.3	480.1
29°	477.9	477.8	477.7	477.9	477.5	477.9	477.7	477.8	477.9	477.8	477.7
29.5°	475.0	474.7	475.1	474.9	475.2	474.9	475.1	474.7	475.0	474.7	475.1
30°	472.6	472.5	472.9	472.6	472.8	472.6	472.9	472.5	472.6	472.5	472.9
30.5°	470.4	469.6	469.9	470.1	470.1	470.1	469.9	469.6	470.4	469.6	469.9
31°	467.2	467.3	467.1	467.2	467.2	467.2	467.1	467.3	467.2	467.3	467.1
31.5°	464.8	464.5	464.6	464.6	464.9	464.6	464.6	464.5	464.8	464.5	464.6
32°	462.4	461.8	462.2	461.8	461.8	461.8	462.2	461.8	462.4	461.8	462.2
32.5°	459.3	459.1	459.2	459.1	459.4	459.1	459.2	459.1	459.3	459.1	459.2
33°	456.3	455.9	456.3	456.4	455.9	456.4	456.3	455.9	456.3	455.9	456.3
33.5°	453.0	453.4	453.0	453.2	453.1	453.2	453.0	453.4	453.0	453.4	453.0
34°	450.4	450.6	450.5	450.1	450.8	450.1	450.5	450.6	450.4	450.6	450.5
34.5°	447.3	447.5	447.6	447.6	447.8	447.6	447.6	447.5	447.3	447.5	447.6
35°	444.2	444.7	444.7	444.6	444.5	444.6	444.7	444.7	444.2	444.7	444.7
35.5°	441.4	441.3	441.8	441.4	441.6	441.4	441.8	441.3	441.4	441.3	441.8
36°	438.3	438.2	438.5	438.3	438.9	438.3	438.5	438.2	438.3	438.2	438.5
36.5°	435.6	435.5	435.2	435.5	435.1	435.5	435.2	435.5	435.6	435.5	435.2
37°	432.3	431.7	432.4	431.9	432.2	431.9	432.4	431.7	432.3	431.7	432.4
37.5°	429.5	428.7	429.3	429.2	429.2	429.2	429.3	428.7	429.5	428.7	429.3
38°	426.4	425.9	426.3	426.0	425.9	426.0	426.3	425.9	426.4	425.9	426.3
38.5°	422.9	422.8	423.1	423.0	422.7	423.0	423.1	422.8	422.9	422.8	423.1
39°	419.6	420.0	419.5	419.6	419.4	419.6	419.5	420.0	419.6	420.0	419.5
39.5°	416.5	416.3	416.0	416.1	416.6	416.1	416.0	416.3	416.5	416.3	416.0
40°	413.1	412.9	412.6	413.0	413.0	413.0	412.6	412.9	413.1	412.9	412.6
40.5°	409.9	409.4	409.5	409.6	409.8	409.6	409.5	409.4	409.9	409.4	409.5
41°	406.4	405.7	406.6	406.2	406.5	406.2	406.6	405.7	406.4	405.7	406.6
41.5°	402.9	402.7	402.8	402.7	402.6	402.7	402.8	402.7	402.9	402.7	402.8
42°	399.8	398.9	399.1	399.3	399.7	399.3	399.1	398.9	399.8	398.9	399.1
42.5°	395.7	395.7	395.4	395.7	395.8	395.7	395.4	395.7	395.7	395.7	395.4
43°	392.1	392.2	392.2	392.1	392.0	392.1	392.2	392.2	392.1	392.2	392.2
43.5°	388.6	388.5	388.5	388.7	388.3	388.7	388.5	388.5	388.6	388.5	388.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	378.2	377.8	377.8	377.6	377.5	377.6	377.8	377.8	378.2	377.8	377.8
45.5°	374.5	374.1	374.2	374.0	374.2	374.0	374.2	374.1	374.5	374.1	374.2
46°	370.4	370.5	370.3	370.3	370.8	370.3	370.3	370.5	370.4	370.5	370.3
46.5°	366.8	366.8	366.6	366.6	367.0	366.6	366.6	366.8	366.8	366.8	366.6
47°	363.0	362.9	362.8	362.7	363.0	362.7	362.8	362.9	363.0	362.9	362.8
47.5°	359.1	359.0	359.1	359.0	359.0	359.0	359.1	359.0	359.1	359.0	359.1
48°	355.3	355.2	355.2	355.1	355.2	355.1	355.2	355.2	355.3	355.2	355.2
48.5°	351.5	351.5	351.4	351.4	351.2	351.4	351.4	351.5	351.5	351.5	351.4
49°	347.5	347.6	347.5	347.4	347.7	347.4	347.5	347.6	347.5	347.6	347.5
49.5°	343.6	343.7	343.5	343.5	343.7	343.5	343.5	343.7	343.6	343.7	343.5
50°	339.6	339.7	339.5	339.5	339.9	339.5	339.5	339.7	339.6	339.7	339.5
50.5°	335.8	335.6	335.6	335.4	335.8	335.4	335.6	335.6	335.8	335.6	335.6
51°	331.7	331.5	331.7	331.4	331.5	331.4	331.7	331.5	331.7	331.5	331.7
51.5°	327.7	327.7	327.5	327.5	327.4	327.5	327.5	327.7	327.7	327.7	327.5
52°	323.6	323.5	323.4	323.5	323.5	323.5	323.4	323.5	323.6	323.5	323.4
52.5°	319.7	319.3	319.5	319.7	319.4	319.7	319.5	319.3	319.7	319.3	319.5
53°	315.4	315.4	315.4	315.2	315.5	315.2	315.4	315.4	315.4	315.4	315.4
53.5°	311.4	311.3	311.3	311.1	311.1	311.1	311.3	311.3	311.4	311.3	311.3
54°	306.8	306.8	307.1	307.0	306.9	307.0	307.1	306.8	306.8	306.8	307.1
54.5°	302.9	302.6	302.9	302.5	303.1	302.5	302.9	302.6	302.9	302.6	302.9
55°	298.7	298.6	298.5	298.4	299.0	298.4	298.5	298.6	298.7	298.6	298.5
55.5°	294.7	294.4	294.3	293.9	294.2	293.9	294.3	294.4	294.7	294.4	294.3
56°	289.8	290.0	290.0	289.8	290.0	289.8	290.0	290.0	289.8	290.0	290.0
56.5°	285.7	285.7	285.6	285.6	285.6	285.6	285.6	285.7	285.7	285.7	285.6
57°	280.7	280.9	281.3	281.1	281.1	281.1	281.3	280.9	280.7	280.9	281.3
57.5°	276.7	276.7	276.8	276.5	277.0	276.5	276.8	276.7	276.7	276.7	276.8
58°	272.4	272.7	272.4	272.3	272.5	272.3	272.4	272.7	272.4	272.7	272.4
58.5°	268.2	268.3	268.0	268.1	267.7	268.1	268.0	268.3	268.2	268.3	268.0
59°	263.6	263.6	263.6	263.4	263.7	263.4	263.6	263.6	263.6	263.6	263.6
59.5°	259.4	259.4	259.1	258.8	259.3	258.8	259.1	259.4	259.4	259.4	259.1
60°	254.6	254.6	254.8	254.8	254.4	254.8	254.8	254.6	254.6	254.6	254.8
60.5°	250.0	250.2	250.1	250.2	249.8	250.2	250.1	250.2	250.0	250.2	250.1
61°	245.7	245.7	245.7	245.5	245.7	245.5	245.7	245.7	245.7	245.7	245.7
61.5°	241.2	241.1	240.8	241.0	241.1	241.0	240.8	241.1	241.2	241.1	240.8
62°	236.6	236.5	236.3	236.2	236.2	236.2	236.3	236.5	236.6	236.5	236.3
62.5°	231.9	231.9	231.6	231.5	231.6	231.5	231.6	231.9	231.9	231.9	231.6
63°	226.8	227.1	227.2	227.1	227.0	227.1	227.2	227.1	226.8	227.1	227.2
63.5°	222.5	222.4	222.4	222.4	222.5	222.4	222.4	222.4	222.5	222.4	222.4
64°	217.6	217.4	217.6	217.7	217.7	217.7	217.6	217.4	217.6	217.4	217.6
64.5°	213.3	213.0	213.0	212.6	213.1	212.6	213.0	213.0	213.3	213.0	213.0
65°	208.1	208.2	208.1	207.8	208.2	207.8	208.1	208.2	208.1	208.2	208.1
65.5°	203.2	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.2	203.4	203.4
66°	198.4	198.7	198.4	198.4	198.5	198.4	198.4	198.7	198.4	198.7	198.4



TEST NUMBER: P938650

CATALOG NUMBER: SMX8RLSFS2W-1500LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	184.0	184.1	184.2	183.8	183.8	183.8	184.2	184.1	184.0	184.1	184.2
68°	179.5	179.5	179.2	178.9	179.3	178.9	179.2	179.5	179.5	179.5	179.2
68.5°	174.4	174.5	174.4	174.5	174.7	174.5	174.4	174.5	174.4	174.5	174.4
69°	169.6	169.5	169.6	169.7	169.7	169.7	169.6	169.5	169.6	169.5	169.6
69.5°	164.4	164.5	164.6	164.6	164.7	164.6	164.6	164.5	164.4	164.5	164.6
70°	159.7	159.9	159.7	159.7	159.6	159.7	159.7	159.9	159.7	159.9	159.7
70.5°	155.0	154.9	154.7	154.9	154.8	154.9	154.7	154.9	155.0	154.9	154.7
71°	150.2	150.0	150.1	149.9	149.9	149.9	150.1	150.0	150.2	150.0	150.1
71.5°	145.2	145.1	145.0	145.0	144.9	145.0	145.0	145.1	145.2	145.1	145.0
72°	140.3	140.2	140.1	140.1	140.1	140.1	140.1	140.2	140.3	140.2	140.1
72.5°	135.3	135.2	135.2	135.0	135.2	135.0	135.2	135.2	135.3	135.2	135.2
73°	130.1	130.1	130.1	130.3	130.1	130.3	130.1	130.1	130.1	130.1	130.1
73.5°	125.4	125.3	125.3	125.2	125.2	125.2	125.3	125.3	125.4	125.3	125.3
74°	120.5	120.5	120.5	120.3	120.4	120.3	120.5	120.5	120.5	120.5	120.5
74.5°	115.5	115.4	115.4	115.3	115.3	115.3	115.4	115.4	115.5	115.4	115.4
75°	110.4	110.7	110.5	110.6	110.7	110.6	110.5	110.7	110.4	110.7	110.5
75.5°	105.7	105.6	105.6	105.5	105.5	105.5	105.6	105.6	105.7	105.6	105.6
76°	101.0	100.9	100.8	100.8	100.9	100.8	100.8	100.9	101.0	100.9	100.8
76.5°	96.1	96.0	96.0	96.0	96.2	96.0	96.0	96.0	96.1	96.0	96.0
77°	91.5	91.4	91.2	91.3	91.3	91.3	91.2	91.4	91.5	91.4	91.2
77.5°	86.5	86.6	86.5	86.5	86.4	86.5	86.5	86.6	86.5	86.6	86.5
78°	81.8	81.9	81.8	81.9	82.0	81.9	81.8	81.9	81.8	81.9	81.8
78.5°	77.1	77.1	77.0	77.0	77.3	77.0	77.0	77.1	77.1	77.1	77.0
79°	72.4	72.6	72.3	72.4	72.5	72.4	72.3	72.6	72.4	72.6	72.3
79.5°	68.1	68.0	67.9	67.9	68.1	67.9	67.9	68.0	68.1	68.0	67.9
80°	63.4	63.4	63.4	63.5	63.5	63.5	63.4	63.4	63.4	63.4	63.4
80.5°	59.1	59.1	59.1	59.1	59.0	59.1	59.1	59.1	59.1	59.1	59.1
81°	54.8	54.9	54.8	54.8	54.9	54.8	54.8	54.9	54.8	54.9	54.8
81.5°	50.6	50.6	50.6	50.5	50.6	50.5	50.6	50.6	50.6	50.6	50.6
82°	46.6	46.6	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.5
82.5°	42.5	42.5	42.5	42.4	42.5	42.4	42.5	42.5	42.5	42.5	42.5
83°	38.6	38.6	38.6	38.5	38.6	38.5	38.6	38.6	38.6	38.6	38.6
83.5°	34.8	34.8	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.7
84°	31.0	31.1	31.0	30.8	31.0	30.8	31.0	31.1	31.0	31.1	31.0
84.5°	27.6	27.6	27.4	27.5	27.5	27.5	27.4	27.6	27.6	27.6	27.4
85°	24.0	24.1	24.1	24.1	24.2	24.1	24.1	24.1	24.0	24.1	24.1
85.5°	20.8	20.8	20.9	21.0	21.2	21.0	20.9	20.8	20.8	20.8	20.9
86°	17.9	17.9	18.0	18.2	18.3	18.2	18.0	17.9	17.9	17.9	18.0
86.5°	15.3	15.3	15.2	15.4	16.0	15.4	15.2	15.3	15.3	15.3	15.2
87°	12.7	12.8	12.8	12.9	13.1	12.9	12.8	12.8	12.7	12.8	12.8
87.5°	10.5	10.4	10.5	10.7	10.9	10.7	10.5	10.4	10.5	10.4	10.5
88°	8.5	8.5	8.6	8.7	8.9	8.7	8.6	8.5	8.5	8.5	8.6
88.5°	6.8	6.8	6.8	6.8	7.0	6.8	6.8	6.8	6.8	6.8	6.8



TEST NUMBER: P938650
CATALOG NUMBER: SMX8RLSFS2W-1500LM-5000K

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: P938650

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	553.4	553.4	553.4	553.4	553.4	553.4
0.5°	554.1	553.3	554.1	553.5	552.9	553.6
1°	553.5	553.3	553.5	553.3	553.0	553.0
1.5°	553.3	553.0	553.3	553.3	553.0	553.1
2°	553.2	553.8	553.2	553.2	553.0	553.1
2.5°	552.9	552.9	552.9	553.0	552.7	553.1
3°	552.5	552.8	552.5	552.9	552.5	552.8
3.5°	552.6	552.6	552.6	552.1	552.0	552.5
4°	551.8	552.2	551.8	552.2	551.9	551.7
4.5°	551.8	552.2	551.8	551.9	551.7	551.4
5°	551.2	551.5	551.2	551.2	551.1	551.3
5.5°	550.9	551.0	550.9	550.3	550.2	550.9
6°	549.9	551.1	549.9	550.3	549.7	550.2
6.5°	549.4	549.8	549.4	549.6	549.4	549.9
7°	548.9	549.8	548.9	549.0	548.7	549.0
7.5°	548.5	548.6	548.5	548.0	548.3	548.0
8°	547.3	548.3	547.3	547.6	547.7	547.3
8.5°	546.2	546.8	546.2	546.8	546.7	547.5
9°	546.1	546.4	546.1	546.1	546.1	546.0
9.5°	545.0	545.1	545.0	545.0	544.8	545.6
10°	544.6	544.3	544.6	544.4	544.3	544.1
10.5°	543.4	544.2	543.4	543.4	542.7	543.5
11°	542.5	542.5	542.5	542.0	541.8	542.6
11.5°	541.4	541.2	541.4	541.3	541.1	540.6
12°	539.7	539.9	539.7	539.6	540.2	540.0
12.5°	539.1	539.1	539.1	539.0	538.9	539.1
13°	537.8	537.7	537.8	538.0	538.1	537.9
13.5°	536.8	536.7	536.8	536.8	536.5	536.3
14°	535.6	534.8	535.6	535.2	535.5	535.1
14.5°	534.1	534.6	534.1	534.1	533.8	533.9
15°	532.6	532.6	532.6	532.8	532.3	533.2
15.5°	531.3	531.5	531.3	531.4	531.0	531.0
16°	530.2	530.5	530.2	529.9	529.7	529.9
16.5°	528.2	528.5	528.2	528.3	528.3	527.9
17°	526.6	527.1	526.6	527.5	526.6	526.9
17.5°	525.5	525.2	525.5	525.3	524.9	525.3
18°	523.6	524.3	523.6	523.7	523.6	523.6
18.5°	522.1	522.0	522.1	522.0	522.0	522.5
19°	520.1	520.5	520.1	520.6	520.3	520.2
19.5°	518.7	519.0	518.7	518.6	518.6	518.8
20°	516.6	516.8	516.6	516.9	516.3	516.4
20.5°	514.9	515.3	514.9	514.7	515.1	515.4
21°	513.2	513.0	513.2	513.0	513.3	512.8



TEST NUMBER: P938650

CATALOG NUMBER: SMX8RLSFS2W-1500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	507.5	507.8	507.5	507.2	507.3	507.5
23°	505.5	505.1	505.5	505.3	505.2	505.4
23.5°	503.5	503.8	503.5	503.4	503.1	503.6
24°	501.0	501.4	501.0	501.6	501.0	500.8
24.5°	498.9	499.4	498.9	499.2	498.8	499.5
25°	496.9	497.1	496.9	497.1	496.9	497.0
25.5°	494.4	494.8	494.4	494.7	494.0	494.4
26°	492.3	492.2	492.3	492.2	492.3	492.3
26.5°	489.9	489.5	489.9	489.7	489.7	489.7
27°	487.4	488.1	487.4	487.6	487.8	488.1
27.5°	485.1	484.8	485.1	485.1	484.8	485.3
28°	483.1	482.7	483.1	482.8	482.8	482.5
28.5°	479.9	480.1	479.9	480.1	480.3	480.8
29°	477.9	477.5	477.9	477.7	477.8	477.9
29.5°	474.9	475.2	474.9	475.1	474.7	475.0
30°	472.6	472.8	472.6	472.9	472.5	472.6
30.5°	470.1	470.1	470.1	469.9	469.6	470.4
31°	467.2	467.2	467.2	467.1	467.3	467.2
31.5°	464.6	464.9	464.6	464.6	464.5	464.8
32°	461.8	461.8	461.8	462.2	461.8	462.4
32.5°	459.1	459.4	459.1	459.2	459.1	459.3
33°	456.4	455.9	456.4	456.3	455.9	456.3
33.5°	453.2	453.1	453.2	453.0	453.4	453.0
34°	450.1	450.8	450.1	450.5	450.6	450.4
34.5°	447.6	447.8	447.6	447.6	447.5	447.3
35°	444.6	444.5	444.6	444.7	444.7	444.2
35.5°	441.4	441.6	441.4	441.8	441.3	441.4
36°	438.3	438.9	438.3	438.5	438.2	438.3
36.5°	435.5	435.1	435.5	435.2	435.5	435.6
37°	431.9	432.2	431.9	432.4	431.7	432.3
37.5°	429.2	429.2	429.2	429.3	428.7	429.5
38°	426.0	425.9	426.0	426.3	425.9	426.4
38.5°	423.0	422.7	423.0	423.1	422.8	422.9
39°	419.6	419.4	419.6	419.5	420.0	419.6
39.5°	416.1	416.6	416.1	416.0	416.3	416.5
40°	413.0	413.0	413.0	412.6	412.9	413.1
40.5°	409.6	409.8	409.6	409.5	409.4	409.9
41°	406.2	406.5	406.2	406.6	405.7	406.4
41.5°	402.7	402.6	402.7	402.8	402.7	402.9
42°	399.3	399.7	399.3	399.1	398.9	399.8
42.5°	395.7	395.8	395.7	395.4	395.7	395.7
43°	392.1	392.0	392.1	392.2	392.2	392.1
43.5°	388.7	388.3	388.7	388.5	388.5	388.6



TEST NUMBER: P938650

CATALOG NUMBER: SMX8RLSFSD2W-1500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	377.6	377.5	377.6	377.8	377.8	378.2
45.5°	374.0	374.2	374.0	374.2	374.1	374.5
46°	370.3	370.8	370.3	370.3	370.5	370.4
46.5°	366.6	367.0	366.6	366.6	366.8	366.8
47°	362.7	363.0	362.7	362.8	362.9	363.0
47.5°	359.0	359.0	359.0	359.1	359.0	359.1
48°	355.1	355.2	355.1	355.2	355.2	355.3
48.5°	351.4	351.2	351.4	351.4	351.5	351.5
49°	347.4	347.7	347.4	347.5	347.6	347.5
49.5°	343.5	343.7	343.5	343.5	343.7	343.6
50°	339.5	339.9	339.5	339.5	339.7	339.6
50.5°	335.4	335.8	335.4	335.6	335.6	335.8
51°	331.4	331.5	331.4	331.7	331.5	331.7
51.5°	327.5	327.4	327.5	327.5	327.7	327.7
52°	323.5	323.5	323.5	323.4	323.5	323.6
52.5°	319.7	319.4	319.7	319.5	319.3	319.7
53°	315.2	315.5	315.2	315.4	315.4	315.4
53.5°	311.1	311.1	311.1	311.3	311.3	311.4
54°	307.0	306.9	307.0	307.1	306.8	306.8
54.5°	302.5	303.1	302.5	302.9	302.6	302.9
55°	298.4	299.0	298.4	298.5	298.6	298.7
55.5°	293.9	294.2	293.9	294.3	294.4	294.7
56°	289.8	290.0	289.8	290.0	290.0	289.8
56.5°	285.6	285.6	285.6	285.6	285.7	285.7
57°	281.1	281.1	281.1	281.3	280.9	280.7
57.5°	276.5	277.0	276.5	276.8	276.7	276.7
58°	272.3	272.5	272.3	272.4	272.7	272.4
58.5°	268.1	267.7	268.1	268.0	268.3	268.2
59°	263.4	263.7	263.4	263.6	263.6	263.6
59.5°	258.8	259.3	258.8	259.1	259.4	259.4
60°	254.8	254.4	254.8	254.8	254.6	254.6
60.5°	250.2	249.8	250.2	250.1	250.2	250.0
61°	245.5	245.7	245.5	245.7	245.7	245.7
61.5°	241.0	241.1	241.0	240.8	241.1	241.2
62°	236.2	236.2	236.2	236.3	236.5	236.6
62.5°	231.5	231.6	231.5	231.6	231.9	231.9
63°	227.1	227.0	227.1	227.2	227.1	226.8
63.5°	222.4	222.5	222.4	222.4	222.4	222.5
64°	217.7	217.7	217.7	217.6	217.4	217.6
64.5°	212.6	213.1	212.6	213.0	213.0	213.3
65°	207.8	208.2	207.8	208.1	208.2	208.1
65.5°	203.4	203.4	203.4	203.4	203.4	203.2
66°	198.4	198.5	198.4	198.4	198.7	198.4



TEST NUMBER: P938650
 CATALOG NUMBER: SMX8RLSFSD2W-1500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	183.8	183.8	183.8	184.2	184.1	184.0
68°	178.9	179.3	178.9	179.2	179.5	179.5
68.5°	174.5	174.7	174.5	174.4	174.5	174.4
69°	169.7	169.7	169.7	169.6	169.5	169.6
69.5°	164.6	164.7	164.6	164.6	164.5	164.4
70°	159.7	159.6	159.7	159.7	159.9	159.7
70.5°	154.9	154.8	154.9	154.7	154.9	155.0
71°	149.9	149.9	149.9	150.1	150.0	150.2
71.5°	145.0	144.9	145.0	145.0	145.1	145.2
72°	140.1	140.1	140.1	140.1	140.2	140.3
72.5°	135.0	135.2	135.0	135.2	135.2	135.3
73°	130.3	130.1	130.3	130.1	130.1	130.1
73.5°	125.2	125.2	125.2	125.3	125.3	125.4
74°	120.3	120.4	120.3	120.5	120.5	120.5
74.5°	115.3	115.3	115.3	115.4	115.4	115.5
75°	110.6	110.7	110.6	110.5	110.7	110.4
75.5°	105.5	105.5	105.5	105.6	105.6	105.7
76°	100.8	100.9	100.8	100.8	100.9	101.0
76.5°	96.0	96.2	96.0	96.0	96.0	96.1
77°	91.3	91.3	91.3	91.2	91.4	91.5
77.5°	86.5	86.4	86.5	86.5	86.6	86.5
78°	81.9	82.0	81.9	81.8	81.9	81.8
78.5°	77.0	77.3	77.0	77.0	77.1	77.1
79°	72.4	72.5	72.4	72.3	72.6	72.4
79.5°	67.9	68.1	67.9	67.9	68.0	68.1
80°	63.5	63.5	63.5	63.4	63.4	63.4
80.5°	59.1	59.0	59.1	59.1	59.1	59.1
81°	54.8	54.9	54.8	54.8	54.9	54.8
81.5°	50.5	50.6	50.5	50.6	50.6	50.6
82°	46.5	46.5	46.5	46.5	46.6	46.6
82.5°	42.4	42.5	42.4	42.5	42.5	42.5
83°	38.5	38.6	38.5	38.6	38.6	38.6
83.5°	34.7	34.7	34.7	34.7	34.8	34.8
84°	30.8	31.0	30.8	31.0	31.1	31.0
84.5°	27.5	27.5	27.5	27.4	27.6	27.6
85°	24.1	24.2	24.1	24.1	24.1	24.0
85.5°	21.0	21.2	21.0	20.9	20.8	20.8
86°	18.2	18.3	18.2	18.0	17.9	17.9
86.5°	15.4	16.0	15.4	15.2	15.3	15.3
87°	12.9	13.1	12.9	12.8	12.8	12.7
87.5°	10.7	10.9	10.7	10.5	10.4	10.5
88°	8.7	8.9	8.7	8.6	8.5	8.5
88.5°	6.8	7.0	6.8	6.8	6.8	6.8



TEST NUMBER: P938650
CATALOG NUMBER: SMX8RLSFSD2W-1500LM-5000K

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°	510.9	511.1	511.5	511.1	511.2	511.1	511.5	511.1	510.9	511.1	511.5
22°	509.6	508.8	509.7	509.1	509.2	509.1	509.7	508.8	509.6	508.8	509.7



44°	385.7	385.0	385.0	385.1	385.1	385.0	385.0	385.7	385.0	385.0
44.5°	382.1	381.6	381.3	381.5	381.6	381.3	381.6	382.1	381.6	381.3



66.5°	193.8	193.7	193.6	193.7	193.9	193.7	193.6	193.7	193.8	193.7	193.6
67°	189.0	188.8	188.8	188.8	189.1	188.8	188.8	188.8	189.0	188.8	188.8



89°	5.5	5.4	5.4	5.4	5.7	5.4	5.4	5.4	5.5	5.4	5.4
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°	511.1	511.2	511.1	511.5	511.1	510.9
22°	509.1	509.2	509.1	509.7	508.8	509.6



44°	385.1	385.1	385.1	385.0	385.0	385.7
44.5°	381.6	381.5	381.6	381.3	381.6	382.1



66.5°	193.7	193.9	193.7	193.6	193.7	193.8
67°	188.8	189.1	188.8	188.8	188.8	189.0



89°	5.4	5.7	5.4	5.4	5.4	5.5
89.5°	4.2	4.3	4.2	4.1	4.2	4.1

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(END OF REPORT)