

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: P938653

Luminaire Tested: SMX8RLSFSD2W-900LM-3500K

Issue Date: 1/9/2025



Test Information

Test Method: LM-79-2019
Report Number: P938653
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-900LM-3500K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3500K CCT
Ballast/Driver: -

Summary

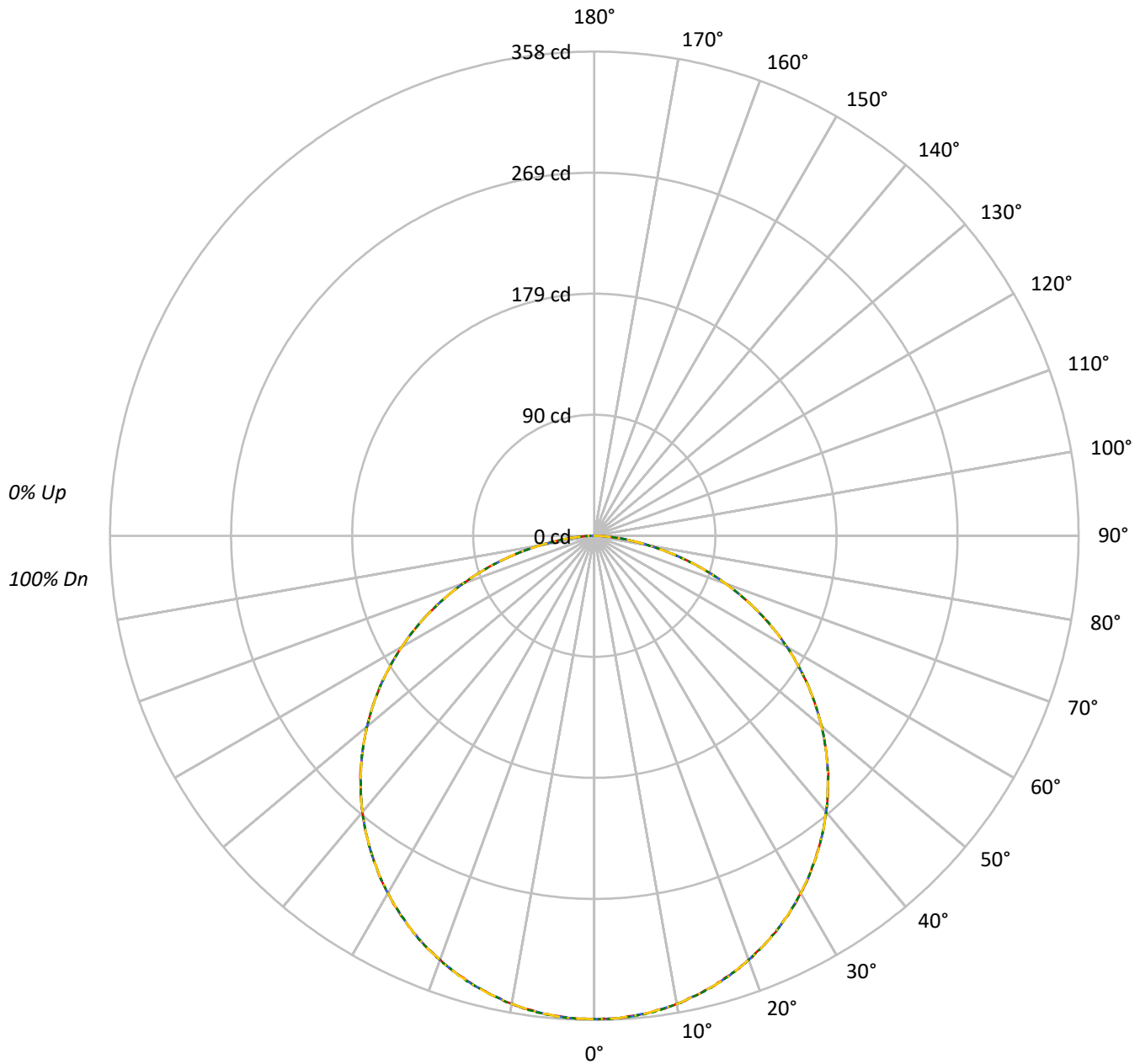
Lumens per Lamp: N/A
Luminaire Lumens: 1046.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: SMX8RLSFSD2W-900LM-3500K

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	42	36	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8708	8708	8708	8708
5°	8707	8709	8707	8709
10°	8691	8694	8691	8694
15°	8685	8675	8685	8675
20°	8644	8652	8644	8652
25°	8627	8630	8627	8630
30°	8584	8589	8584	8589
35°	8530	8536	8530	8536
40°	8483	8483	8483	8483
45°	8414	8397	8414	8397
50°	8312	8320	8312	8320
55°	8194	8203	8194	8203
60°	8011	8006	8011	8006
65°	7748	7754	7748	7754
70°	7345	7337	7345	7337
75°	6712	6731	6712	6731
80°	5753	5753	5753	5753
85°	4333	4389	4333	4389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	3.2
10°-20°	97.1	9.3
20°-30°	147.9	14.1
30°-40°	179.6	17.2
40°-50°	188.1	18.0
50°-60°	172.1	16.5
60°-70°	132.8	12.7
70°-80°	75.5	7.2
80°-90°	19.1	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	278.8	26.7
0°-40°	458.4	43.8
0°-60°	818.6	78.3
0°-90°	1046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1046.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	357	357	357	357	357	
5°	356	356	356	356	356	34
15°	344	344	344	344	344	97
25°	321	321	321	321	321	148
35°	287	287	287	287	287	180
45°	244	244	244	244	244	188
55°	193	193	193	193	193	172
65°	134	134	134	134	134	133
75°	71	72	71	72	71	76
85°	16	16	16	16	16	19
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°	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
0.5°	357.5	357.0	357.4	357.8	357.3	357.8	357.4	357.0	357.5	357.0	357.4
1°	357.1	357.1	357.3	357.4	357.3	357.4	357.3	357.1	357.1	357.1	357.3
1.5°	357.2	357.1	357.3	357.3	357.1	357.3	357.3	357.1	357.2	357.1	357.3
2°	357.2	357.1	357.2	357.2	357.6	357.2	357.2	357.1	357.2	357.1	357.2
2.5°	357.2	356.9	357.1	357.0	357.0	357.0	357.1	356.9	357.2	356.9	357.1
3°	357.0	356.8	357.0	356.8	357.0	356.8	357.0	356.8	357.0	356.8	357.0
3.5°	356.8	356.4	356.5	356.8	356.8	356.8	356.5	356.4	356.8	356.4	356.5
4°	356.2	356.4	356.6	356.3	356.6	356.3	356.6	356.4	356.2	356.4	356.6
4.5°	356.0	356.2	356.4	356.3	356.6	356.3	356.4	356.2	356.0	356.2	356.4
5°	356.0	355.8	355.9	355.9	356.1	355.9	355.9	355.8	356.0	355.8	355.9
5.5°	355.7	355.3	355.4	355.7	355.8	355.7	355.4	355.3	355.7	355.3	355.4
6°	355.3	355.0	355.4	355.1	355.8	355.1	355.4	355.0	355.3	355.0	355.4
6.5°	355.1	354.8	354.9	354.8	355.0	354.8	354.9	354.8	355.1	354.8	354.9
7°	354.5	354.3	354.5	354.4	355.0	354.4	354.5	354.3	354.5	354.3	354.5
7.5°	353.8	354.0	353.8	354.2	354.2	354.2	353.8	354.0	353.8	354.0	353.8
8°	353.4	353.6	353.6	353.4	354.0	353.4	353.6	353.6	353.4	353.6	353.6
8.5°	353.5	353.0	353.1	352.7	353.1	352.7	353.1	353.0	353.5	353.0	353.1
9°	352.6	352.6	352.6	352.6	352.8	352.6	352.6	352.6	352.6	352.6	352.6
9.5°	352.3	351.8	351.9	351.9	352.0	351.9	351.9	351.8	352.3	351.8	351.9
10°	351.3	351.4	351.5	351.6	351.4	351.6	351.5	351.4	351.3	351.4	351.5
10.5°	351.0	350.4	350.9	350.9	351.4	350.9	350.9	350.4	351.0	350.4	350.9
11°	350.4	349.8	350.0	350.3	350.3	350.3	350.0	349.8	350.4	349.8	350.0
11.5°	349.0	349.4	349.5	349.6	349.4	349.6	349.5	349.4	349.0	349.4	349.5
12°	348.7	348.8	348.4	348.5	348.6	348.5	348.4	348.8	348.7	348.8	348.4
12.5°	348.1	348.0	348.0	348.1	348.1	348.1	348.0	348.0	348.1	348.0	348.0
13°	347.3	347.4	347.4	347.2	347.2	347.2	347.4	347.4	347.3	347.4	347.4
13.5°	346.3	346.4	346.6	346.6	346.6	346.6	346.6	346.4	346.3	346.4	346.6
14°	345.5	345.8	345.6	345.8	345.3	345.8	345.6	345.8	345.5	345.8	345.6
14.5°	344.8	344.7	344.8	344.8	345.2	344.8	344.8	344.7	344.8	344.7	344.8
15°	344.3	343.7	344.0	343.9	343.9	343.9	344.0	343.7	344.3	343.7	344.0
15.5°	342.8	342.8	343.1	343.0	343.2	343.0	343.1	342.8	342.8	342.8	343.1
16°	342.2	342.0	342.2	342.4	342.6	342.4	342.2	342.0	342.2	342.0	342.2
16.5°	340.8	341.1	341.1	341.0	341.2	341.0	341.1	341.1	340.8	341.1	341.1
17°	340.2	340.0	340.6	340.0	340.4	340.0	340.6	340.0	340.2	340.0	340.6
17.5°	339.2	338.9	339.2	339.3	339.1	339.3	339.2	338.9	339.2	338.9	339.2
18°	338.1	338.1	338.2	338.1	338.5	338.1	338.2	338.1	338.1	338.1	338.2
18.5°	337.4	337.0	337.0	337.1	337.0	337.1	337.0	337.0	337.4	337.0	337.0
19°	335.9	336.0	336.2	335.8	336.1	335.8	336.2	336.0	335.9	336.0	336.2
19.5°	335.0	334.8	334.8	334.9	335.1	334.9	334.8	334.8	335.0	334.8	334.8
20°	333.4	333.4	333.8	333.6	333.7	333.6	333.8	333.4	333.4	333.4	333.8
20.5°	332.8	332.6	332.3	332.5	332.7	332.5	332.3	332.6	332.8	332.6	332.3
21°	331.1	331.5	331.3	331.4	331.3	331.4	331.3	331.5	331.1	331.5	331.3

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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°	327.7	327.6	327.5	327.7	327.9	327.7	327.5	327.6	327.7	327.6	327.5
23°	326.3	326.2	326.3	326.4	326.1	326.4	326.3	326.2	326.3	326.2	326.3
23.5°	325.2	324.9	325.1	325.1	325.3	325.1	325.1	324.9	325.2	324.9	325.1
24°	323.4	323.5	323.9	323.5	323.7	323.5	323.9	323.5	323.4	323.5	323.9
24.5°	322.5	322.1	322.3	322.1	322.5	322.1	322.3	322.1	322.5	322.1	322.3
25°	320.9	320.9	321.0	320.9	321.0	320.9	321.0	320.9	320.9	320.9	321.0
25.5°	319.3	319.0	319.4	319.3	319.5	319.3	319.4	319.0	319.3	319.0	319.4
26°	317.9	317.9	317.8	317.9	317.8	317.9	317.8	317.9	317.9	317.9	317.8
26.5°	316.2	316.2	316.2	316.3	316.1	316.3	316.2	316.2	316.2	316.2	316.2
27°	315.1	315.0	314.9	314.7	315.1	314.7	314.9	315.0	315.1	315.0	314.9
27.5°	313.3	313.0	313.2	313.2	313.0	313.2	313.2	313.0	313.3	313.0	313.2
28°	311.5	311.7	311.7	311.9	311.7	311.9	311.7	311.7	311.5	311.7	311.7
28.5°	310.5	310.1	310.0	309.9	310.0	309.9	310.0	310.1	310.5	310.1	310.0
29°	308.6	308.5	308.5	308.6	308.3	308.6	308.5	308.5	308.6	308.5	308.5
29.5°	306.7	306.5	306.7	306.6	306.8	306.6	306.7	306.5	306.7	306.5	306.7
30°	305.1	305.1	305.3	305.1	305.3	305.1	305.3	305.1	305.1	305.1	305.3
30.5°	303.7	303.2	303.4	303.5	303.5	303.5	303.4	303.2	303.7	303.2	303.4
31°	301.7	301.7	301.6	301.7	301.7	301.7	301.6	301.7	301.7	301.7	301.6
31.5°	300.2	300.0	300.0	300.0	300.2	300.0	300.0	300.0	300.2	300.0	300.0
32°	298.6	298.2	298.4	298.2	298.2	298.2	298.4	298.2	298.6	298.2	298.4
32.5°	296.6	296.4	296.5	296.4	296.6	296.4	296.5	296.4	296.6	296.4	296.5
33°	294.6	294.4	294.6	294.7	294.4	294.7	294.6	294.4	294.6	294.4	294.6
33.5°	292.5	292.8	292.5	292.6	292.6	292.6	292.5	292.8	292.5	292.8	292.5
34°	290.8	291.0	290.9	290.6	291.1	290.6	290.9	291.0	290.8	291.0	290.9
34.5°	288.8	289.0	289.0	289.0	289.2	289.0	289.0	289.0	288.8	289.0	289.0
35°	286.8	287.2	287.2	287.1	287.0	287.1	287.2	287.2	286.8	287.2	287.2
35.5°	285.0	285.0	285.3	285.0	285.2	285.0	285.3	285.0	285.0	285.0	285.3
36°	283.0	283.0	283.2	283.0	283.4	283.0	283.2	283.0	283.0	283.0	283.2
36.5°	281.2	281.2	281.0	281.2	281.0	281.2	281.0	281.2	281.2	281.2	281.0
37°	279.1	278.8	279.2	278.9	279.0	278.9	279.2	278.8	279.1	278.8	279.2
37.5°	277.3	276.8	277.2	277.1	277.1	277.1	277.2	276.8	277.3	276.8	277.2
38°	275.3	275.0	275.2	275.0	275.0	275.0	275.2	275.0	275.3	275.0	275.2
38.5°	273.0	273.0	273.2	273.1	272.9	273.1	273.2	273.0	273.0	273.0	273.2
39°	270.9	271.2	270.8	270.9	270.8	270.9	270.8	271.2	270.9	271.2	270.8
39.5°	268.9	268.8	268.6	268.7	269.0	268.7	268.6	268.8	268.9	268.8	268.6
40°	266.7	266.6	266.4	266.7	266.7	266.7	266.4	266.6	266.7	266.6	266.4
40.5°	264.7	264.3	264.4	264.5	264.6	264.5	264.4	264.3	264.7	264.3	264.4
41°	262.4	262.0	262.5	262.3	262.5	262.3	262.5	262.0	262.4	262.0	262.5
41.5°	260.1	260.0	260.1	260.0	259.9	260.0	260.1	260.0	260.1	260.0	260.1
42°	258.1	257.6	257.7	257.8	258.1	257.8	257.7	257.6	258.1	257.6	257.7
42.5°	255.5	255.5	255.3	255.5	255.6	255.5	255.3	255.5	255.5	255.5	255.3
43°	253.2	253.3	253.3	253.2	253.1	253.2	253.3	253.3	253.2	253.3	253.3
43.5°	250.9	250.9	250.9	251.0	250.7	251.0	250.9	250.9	250.9	250.9	250.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	244.2	243.9	243.9	243.8	243.7	243.8	243.9	243.9	244.2	243.9	243.9
45.5°	241.8	241.5	241.6	241.5	241.6	241.5	241.6	241.5	241.8	241.5	241.6
46°	239.1	239.2	239.1	239.1	239.4	239.1	239.1	239.2	239.1	239.2	239.1
46.5°	236.8	236.8	236.7	236.7	237.0	236.7	236.7	236.8	236.8	236.8	236.7
47°	234.4	234.4	234.3	234.2	234.4	234.2	234.3	234.4	234.4	234.4	234.3
47.5°	231.9	231.8	231.9	231.8	231.8	231.8	231.9	231.8	231.9	231.8	231.9
48°	229.4	229.4	229.4	229.3	229.4	229.3	229.4	229.4	229.4	229.4	229.4
48.5°	227.0	227.0	226.9	226.9	226.8	226.9	226.9	227.0	227.0	227.0	226.9
49°	224.4	224.4	224.4	224.3	224.5	224.3	224.4	224.4	224.4	224.4	224.4
49.5°	221.8	221.9	221.8	221.8	221.9	221.8	221.8	221.9	221.8	221.9	221.8
50°	219.3	219.4	219.2	219.2	219.5	219.2	219.2	219.4	219.3	219.4	219.2
50.5°	216.8	216.7	216.7	216.6	216.8	216.6	216.7	216.7	216.8	216.7	216.7
51°	214.2	214.0	214.2	214.0	214.0	214.0	214.2	214.0	214.2	214.0	214.2
51.5°	211.6	211.6	211.4	211.4	211.4	211.4	211.4	211.6	211.6	211.6	211.4
52°	209.0	208.9	208.8	208.9	208.9	208.9	208.8	208.9	209.0	208.9	208.8
52.5°	206.4	206.2	206.3	206.4	206.3	206.4	206.3	206.2	206.4	206.2	206.3
53°	203.7	203.7	203.7	203.5	203.7	203.5	203.7	203.7	203.7	203.7	203.7
53.5°	201.1	201.0	201.0	200.9	200.9	200.9	201.0	201.0	201.1	201.0	201.0
54°	198.1	198.1	198.3	198.3	198.2	198.3	198.3	198.1	198.1	198.1	198.3
54.5°	195.6	195.4	195.6	195.3	195.7	195.3	195.6	195.4	195.6	195.4	195.6
55°	192.9	192.8	192.7	192.7	193.1	192.7	192.7	192.8	192.9	192.8	192.7
55.5°	190.3	190.1	190.0	189.8	189.9	189.8	190.0	190.1	190.3	190.1	190.0
56°	187.1	187.3	187.3	187.1	187.3	187.1	187.3	187.3	187.1	187.3	187.3
56.5°	184.5	184.5	184.4	184.4	184.4	184.4	184.4	184.5	184.5	184.5	184.4
57°	181.3	181.4	181.6	181.5	181.5	181.5	181.6	181.4	181.3	181.4	181.6
57.5°	178.7	178.7	178.7	178.5	178.9	178.5	178.7	178.7	178.7	178.7	178.7
58°	175.9	176.1	175.9	175.8	175.9	175.8	175.9	176.1	175.9	176.1	175.9
58.5°	173.2	173.2	173.0	173.1	172.9	173.1	173.0	173.2	173.2	173.2	173.0
59°	170.2	170.2	170.2	170.1	170.3	170.1	170.2	170.2	170.2	170.2	170.2
59.5°	167.5	167.5	167.3	167.1	167.4	167.1	167.3	167.5	167.5	167.5	167.3
60°	164.4	164.4	164.5	164.5	164.3	164.5	164.5	164.4	164.4	164.4	164.5
60.5°	161.4	161.6	161.5	161.6	161.3	161.6	161.5	161.6	161.4	161.6	161.5
61°	158.6	158.6	158.6	158.5	158.6	158.5	158.6	158.6	158.6	158.6	158.6
61.5°	155.8	155.7	155.5	155.6	155.7	155.6	155.5	155.7	155.8	155.7	155.5
62°	152.8	152.7	152.6	152.5	152.5	152.5	152.6	152.7	152.8	152.7	152.6
62.5°	149.7	149.7	149.6	149.5	149.6	149.5	149.6	149.7	149.7	149.7	149.6
63°	146.4	146.6	146.7	146.6	146.6	146.6	146.7	146.6	146.4	146.6	146.7
63.5°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
64°	140.5	140.4	140.5	140.6	140.6	140.6	140.5	140.4	140.5	140.4	140.5
64.5°	137.7	137.5	137.5	137.3	137.6	137.3	137.5	137.5	137.7	137.5	137.5
65°	134.4	134.5	134.4	134.2	134.5	134.2	134.4	134.5	134.4	134.5	134.4
65.5°	131.2	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.2	131.3	131.3
66°	128.1	128.3	128.1	128.1	128.2	128.1	128.1	128.3	128.1	128.3	128.1

TEST NUMBER: P938653

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	118.8	118.9	118.9	118.7	118.7	118.7	118.9	118.9	118.8	118.9	118.9
68°	115.9	115.9	115.7	115.5	115.7	115.5	115.7	115.9	115.9	115.9	115.7
68.5°	112.6	112.7	112.6	112.7	112.8	112.7	112.6	112.7	112.6	112.7	112.6
69°	109.5	109.4	109.5	109.6	109.6	109.6	109.5	109.4	109.5	109.4	109.5
69.5°	106.2	106.2	106.3	106.3	106.4	106.3	106.3	106.2	106.2	106.2	106.3
70°	103.1	103.2	103.1	103.1	103.0	103.1	103.1	103.2	103.1	103.2	103.1
70.5°	100.1	100.0	99.9	100.0	100.0	100.0	99.9	100.0	100.1	100.0	99.9
71°	97.0	96.8	96.9	96.8	96.8	96.8	96.9	96.8	97.0	96.8	96.9
71.5°	93.8	93.7	93.6	93.6	93.6	93.6	93.6	93.7	93.8	93.7	93.6
72°	90.6	90.5	90.4	90.4	90.4	90.4	90.4	90.5	90.6	90.5	90.4
72.5°	87.4	87.3	87.3	87.2	87.3	87.2	87.3	87.3	87.4	87.3	87.3
73°	84.0	84.0	84.0	84.1	84.0	84.1	84.0	84.0	84.0	84.0	84.0
73.5°	81.0	80.9	80.9	80.8	80.8	80.8	80.9	80.9	81.0	80.9	80.9
74°	77.8	77.8	77.8	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8
74.5°	74.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.5	74.5
75°	71.3	71.5	71.3	71.4	71.5	71.4	71.3	71.5	71.3	71.5	71.3
75.5°	68.3	68.2	68.2	68.1	68.1	68.1	68.2	68.2	68.3	68.2	68.2
76°	65.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.1	65.1
76.5°	62.1	62.0	62.0	62.0	62.1	62.0	62.0	62.0	62.1	62.0	62.0
77°	59.1	59.0	58.9	58.9	58.9	58.9	58.9	59.0	59.1	59.0	58.9
77.5°	55.9	55.9	55.9	55.9	55.8	55.9	55.9	55.9	55.9	55.9	55.9
78°	52.8	52.9	52.8	52.9	52.9	52.9	52.8	52.9	52.8	52.9	52.8
78.5°	49.8	49.8	49.7	49.7	49.9	49.7	49.7	49.8	49.8	49.8	49.7
79°	46.8	46.9	46.7	46.8	46.8	46.8	46.7	46.9	46.8	46.9	46.7
79.5°	44.0	43.9	43.8	43.8	44.0	43.8	43.8	43.9	44.0	43.9	43.8
80°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
80.5°	38.2	38.2	38.2	38.2	38.1	38.2	38.2	38.2	38.2	38.2	38.2
81°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
81.5°	32.7	32.7	32.7	32.6	32.7	32.6	32.7	32.7	32.7	32.7	32.7
82°	30.1	30.1	30.0	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.0
82.5°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
83°	24.9	24.9	24.9	24.8	24.9	24.8	24.9	24.9	24.9	24.9	24.9
83.5°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
84°	20.0	20.1	20.0	19.9	20.0	19.9	20.0	20.1	20.0	20.1	20.0
84.5°	17.8	17.8	17.7	17.8	17.8	17.8	17.7	17.8	17.8	17.8	17.7
85°	15.5	15.6	15.6	15.6	15.7	15.6	15.6	15.6	15.5	15.6	15.6
85.5°	13.5	13.5	13.5	13.6	13.7	13.6	13.5	13.5	13.5	13.5	13.5
86°	11.6	11.6	11.7	11.7	11.8	11.7	11.7	11.6	11.6	11.6	11.7
86.5°	9.9	9.9	9.8	9.9	10.3	9.9	9.8	9.9	9.9	9.9	9.8
87°	8.2	8.3	8.3	8.3	8.5	8.3	8.3	8.3	8.2	8.3	8.3
87.5°	6.8	6.7	6.8	6.9	7.1	6.9	6.8	6.7	6.8	6.7	6.8
88°	5.5	5.5	5.5	5.6	5.7	5.6	5.5	5.5	5.5	5.5	5.5
88.5°	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.4



TEST NUMBER: P938653
CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P938653

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	357.4	357.4	357.4	357.4	357.4	357.4
0.5°	357.8	357.3	357.8	357.4	357.0	357.5
1°	357.4	357.3	357.4	357.3	357.1	357.1
1.5°	357.3	357.1	357.3	357.3	357.1	357.2
2°	357.2	357.6	357.2	357.2	357.1	357.2
2.5°	357.0	357.0	357.0	357.1	356.9	357.2
3°	356.8	357.0	356.8	357.0	356.8	357.0
3.5°	356.8	356.8	356.8	356.5	356.4	356.8
4°	356.3	356.6	356.3	356.6	356.4	356.2
4.5°	356.3	356.6	356.3	356.4	356.2	356.0
5°	355.9	356.1	355.9	355.9	355.8	356.0
5.5°	355.7	355.8	355.7	355.4	355.3	355.7
6°	355.1	355.8	355.1	355.4	355.0	355.3
6.5°	354.8	355.0	354.8	354.9	354.8	355.1
7°	354.4	355.0	354.4	354.5	354.3	354.5
7.5°	354.2	354.2	354.2	353.8	354.0	353.8
8°	353.4	354.0	353.4	353.6	353.6	353.4
8.5°	352.7	353.1	352.7	353.1	353.0	353.5
9°	352.6	352.8	352.6	352.6	352.6	352.6
9.5°	351.9	352.0	351.9	351.9	351.8	352.3
10°	351.6	351.4	351.6	351.5	351.4	351.3
10.5°	350.9	351.4	350.9	350.9	350.4	351.0
11°	350.3	350.3	350.3	350.0	349.8	350.4
11.5°	349.6	349.4	349.6	349.5	349.4	349.0
12°	348.5	348.6	348.5	348.4	348.8	348.7
12.5°	348.1	348.1	348.1	348.0	348.0	348.1
13°	347.2	347.2	347.2	347.4	347.4	347.3
13.5°	346.6	346.6	346.6	346.6	346.4	346.3
14°	345.8	345.3	345.8	345.6	345.8	345.5
14.5°	344.8	345.2	344.8	344.8	344.7	344.8
15°	343.9	343.9	343.9	344.0	343.7	344.3
15.5°	343.0	343.2	343.0	343.1	342.8	342.8
16°	342.4	342.6	342.4	342.2	342.0	342.2
16.5°	341.0	341.2	341.0	341.1	341.1	340.8
17°	340.0	340.4	340.0	340.6	340.0	340.2
17.5°	339.3	339.1	339.3	339.2	338.9	339.2
18°	338.1	338.5	338.1	338.2	338.1	338.1
18.5°	337.1	337.0	337.1	337.0	337.0	337.4
19°	335.8	336.1	335.8	336.2	336.0	335.9
19.5°	334.9	335.1	334.9	334.8	334.8	335.0
20°	333.6	333.7	333.6	333.8	333.4	333.4
20.5°	332.5	332.7	332.5	332.3	332.6	332.8
21°	331.4	331.3	331.4	331.3	331.5	331.1



TEST NUMBER: P938653

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	327.7	327.9	327.7	327.5	327.6	327.7
23°	326.4	326.1	326.4	326.3	326.2	326.3
23.5°	325.1	325.3	325.1	325.1	324.9	325.2
24°	323.5	323.7	323.5	323.9	323.5	323.4
24.5°	322.1	322.5	322.1	322.3	322.1	322.5
25°	320.9	321.0	320.9	321.0	320.9	320.9
25.5°	319.3	319.5	319.3	319.4	319.0	319.3
26°	317.9	317.8	317.9	317.8	317.9	317.9
26.5°	316.3	316.1	316.3	316.2	316.2	316.2
27°	314.7	315.1	314.7	314.9	315.0	315.1
27.5°	313.2	313.0	313.2	313.2	313.0	313.3
28°	311.9	311.7	311.9	311.7	311.7	311.5
28.5°	309.9	310.0	309.9	310.0	310.1	310.5
29°	308.6	308.3	308.6	308.5	308.5	308.6
29.5°	306.6	306.8	306.6	306.7	306.5	306.7
30°	305.1	305.3	305.1	305.3	305.1	305.1
30.5°	303.5	303.5	303.5	303.4	303.2	303.7
31°	301.7	301.7	301.7	301.6	301.7	301.7
31.5°	300.0	300.2	300.0	300.0	300.0	300.2
32°	298.2	298.2	298.2	298.4	298.2	298.6
32.5°	296.4	296.6	296.4	296.5	296.4	296.6
33°	294.7	294.4	294.7	294.6	294.4	294.6
33.5°	292.6	292.6	292.6	292.5	292.8	292.5
34°	290.6	291.1	290.6	290.9	291.0	290.8
34.5°	289.0	289.2	289.0	289.0	289.0	288.8
35°	287.1	287.0	287.1	287.2	287.2	286.8
35.5°	285.0	285.2	285.0	285.3	285.0	285.0
36°	283.0	283.4	283.0	283.2	283.0	283.0
36.5°	281.2	281.0	281.2	281.0	281.2	281.2
37°	278.9	279.0	278.9	279.2	278.8	279.1
37.5°	277.1	277.1	277.1	277.2	276.8	277.3
38°	275.0	275.0	275.0	275.2	275.0	275.3
38.5°	273.1	272.9	273.1	273.2	273.0	273.0
39°	270.9	270.8	270.9	270.8	271.2	270.9
39.5°	268.7	269.0	268.7	268.6	268.8	268.9
40°	266.7	266.7	266.7	266.4	266.6	266.7
40.5°	264.5	264.6	264.5	264.4	264.3	264.7
41°	262.3	262.5	262.3	262.5	262.0	262.4
41.5°	260.0	259.9	260.0	260.1	260.0	260.1
42°	257.8	258.1	257.8	257.7	257.6	258.1
42.5°	255.5	255.6	255.5	255.3	255.5	255.5
43°	253.2	253.1	253.2	253.3	253.3	253.2
43.5°	251.0	250.7	251.0	250.9	250.9	250.9

TEST NUMBER: P938653

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	243.8	243.7	243.8	243.9	243.9	244.2
45.5°	241.5	241.6	241.5	241.6	241.5	241.8
46°	239.1	239.4	239.1	239.1	239.2	239.1
46.5°	236.7	237.0	236.7	236.7	236.8	236.8
47°	234.2	234.4	234.2	234.3	234.4	234.4
47.5°	231.8	231.8	231.8	231.9	231.8	231.9
48°	229.3	229.4	229.3	229.4	229.4	229.4
48.5°	226.9	226.8	226.9	226.9	227.0	227.0
49°	224.3	224.5	224.3	224.4	224.4	224.4
49.5°	221.8	221.9	221.8	221.8	221.9	221.8
50°	219.2	219.5	219.2	219.2	219.4	219.3
50.5°	216.6	216.8	216.6	216.7	216.7	216.8
51°	214.0	214.0	214.0	214.2	214.0	214.2
51.5°	211.4	211.4	211.4	211.4	211.6	211.6
52°	208.9	208.9	208.9	208.8	208.9	209.0
52.5°	206.4	206.3	206.4	206.3	206.2	206.4
53°	203.5	203.7	203.5	203.7	203.7	203.7
53.5°	200.9	200.9	200.9	201.0	201.0	201.1
54°	198.3	198.2	198.3	198.3	198.1	198.1
54.5°	195.3	195.7	195.3	195.6	195.4	195.6
55°	192.7	193.1	192.7	192.7	192.8	192.9
55.5°	189.8	189.9	189.8	190.0	190.1	190.3
56°	187.1	187.3	187.1	187.3	187.3	187.1
56.5°	184.4	184.4	184.4	184.4	184.5	184.5
57°	181.5	181.5	181.5	181.6	181.4	181.3
57.5°	178.5	178.9	178.5	178.7	178.7	178.7
58°	175.8	175.9	175.8	175.9	176.1	175.9
58.5°	173.1	172.9	173.1	173.0	173.2	173.2
59°	170.1	170.3	170.1	170.2	170.2	170.2
59.5°	167.1	167.4	167.1	167.3	167.5	167.5
60°	164.5	164.3	164.5	164.5	164.4	164.4
60.5°	161.6	161.3	161.6	161.5	161.6	161.4
61°	158.5	158.6	158.5	158.6	158.6	158.6
61.5°	155.6	155.7	155.6	155.5	155.7	155.8
62°	152.5	152.5	152.5	152.6	152.7	152.8
62.5°	149.5	149.6	149.5	149.6	149.7	149.7
63°	146.6	146.6	146.6	146.7	146.6	146.4
63.5°	143.6	143.6	143.6	143.6	143.6	143.6
64°	140.6	140.6	140.6	140.5	140.4	140.5
64.5°	137.3	137.6	137.3	137.5	137.5	137.7
65°	134.2	134.5	134.2	134.4	134.5	134.4
65.5°	131.3	131.3	131.3	131.3	131.3	131.2
66°	128.1	128.2	128.1	128.1	128.3	128.1



TEST NUMBER: P938653

CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	118.7	118.7	118.7	118.9	118.9	118.8
68°	115.5	115.7	115.5	115.7	115.9	115.9
68.5°	112.7	112.8	112.7	112.6	112.7	112.6
69°	109.6	109.6	109.6	109.5	109.4	109.5
69.5°	106.3	106.4	106.3	106.3	106.2	106.2
70°	103.1	103.0	103.1	103.1	103.2	103.1
70.5°	100.0	100.0	100.0	99.9	100.0	100.1
71°	96.8	96.8	96.8	96.9	96.8	97.0
71.5°	93.6	93.6	93.6	93.6	93.7	93.8
72°	90.4	90.4	90.4	90.4	90.5	90.6
72.5°	87.2	87.3	87.2	87.3	87.3	87.4
73°	84.1	84.0	84.1	84.0	84.0	84.0
73.5°	80.8	80.8	80.8	80.9	80.9	81.0
74°	77.7	77.7	77.7	77.8	77.8	77.8
74.5°	74.5	74.5	74.5	74.5	74.5	74.6
75°	71.4	71.5	71.4	71.3	71.5	71.3
75.5°	68.1	68.1	68.1	68.2	68.2	68.3
76°	65.1	65.1	65.1	65.1	65.1	65.2
76.5°	62.0	62.1	62.0	62.0	62.0	62.1
77°	58.9	58.9	58.9	58.9	59.0	59.1
77.5°	55.9	55.8	55.9	55.9	55.9	55.9
78°	52.9	52.9	52.9	52.8	52.9	52.8
78.5°	49.7	49.9	49.7	49.7	49.8	49.8
79°	46.8	46.8	46.8	46.7	46.9	46.8
79.5°	43.8	44.0	43.8	43.8	43.9	44.0
80°	41.0	41.0	41.0	41.0	41.0	41.0
80.5°	38.2	38.1	38.2	38.2	38.2	38.2
81°	35.4	35.4	35.4	35.4	35.4	35.4
81.5°	32.6	32.7	32.6	32.7	32.7	32.7
82°	30.0	30.0	30.0	30.0	30.1	30.1
82.5°	27.4	27.4	27.4	27.4	27.4	27.4
83°	24.8	24.9	24.8	24.9	24.9	24.9
83.5°	22.4	22.4	22.4	22.4	22.4	22.4
84°	19.9	20.0	19.9	20.0	20.1	20.0
84.5°	17.8	17.8	17.8	17.7	17.8	17.8
85°	15.6	15.7	15.6	15.6	15.6	15.5
85.5°	13.6	13.7	13.6	13.5	13.5	13.5
86°	11.7	11.8	11.7	11.7	11.6	11.6
86.5°	9.9	10.3	9.9	9.8	9.9	9.9
87°	8.3	8.5	8.3	8.3	8.3	8.2
87.5°	6.9	7.1	6.9	6.8	6.7	6.8
88°	5.6	5.7	5.6	5.5	5.5	5.5
88.5°	4.4	4.5	4.4	4.4	4.4	4.4



TEST NUMBER: P938653
CATALOG NUMBER: SMX8RLSFSD2W-900LM-3500K

CANDELA DISTRIBUTION (continued):

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



Report Generated By 670245859 / DESKTOP-T8S5UU9





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







21.5°	329.9	330.0	330.3	330.0	330.1	330.0	330.3	330.0	329.9	330.0	330.3
22°	329.1	328.5	329.1	328.7	328.8	328.7	329.1	328.5	329.1	328.5	329.1



44°	249.1	248.6	248.6	248.7	248.7	248.6	248.6	249.1	248.6	248.6
44.5°	246.7	246.4	246.2	246.3	246.4	246.2	246.4	246.7	246.4	246.2



66.5°	125.1	125.1	125.0	125.1	125.2	125.1	125.0	125.1	125.1	125.1	125.0
67°	122.0	121.9	121.9	121.9	122.1	121.9	121.9	121.9	122.0	121.9	121.9



89°	3.5	3.5	3.5	3.5	3.7	3.5	3.5	3.5	3.5	3.5	3.5
89.5°	2.7	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7





21.5°	330.0	330.1	330.0	330.3	330.0	329.9
22°	328.7	328.8	328.7	329.1	328.5	329.1



44°	248.7	248.7	248.7	248.6	248.6	249.1
44.5°	246.4	246.3	246.4	246.2	246.4	246.7



66.5°	125.1	125.2	125.1	125.0	125.1	125.1
67°	121.9	122.1	121.9	121.9	121.9	122.0



89°	3.5	3.7	3.5	3.5	3.5	3.5
89.5°	2.7	2.8	2.7	2.7	2.7	2.7



(END OF REPORT)