

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: P938611

Luminaire Tested: SMX4RLSFSD2W-1000LM-2700K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2405915A001)
Test Lab:
Issue Date: 1/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SMX4RLSFS2W-1000LM-2700K
Description: 4IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

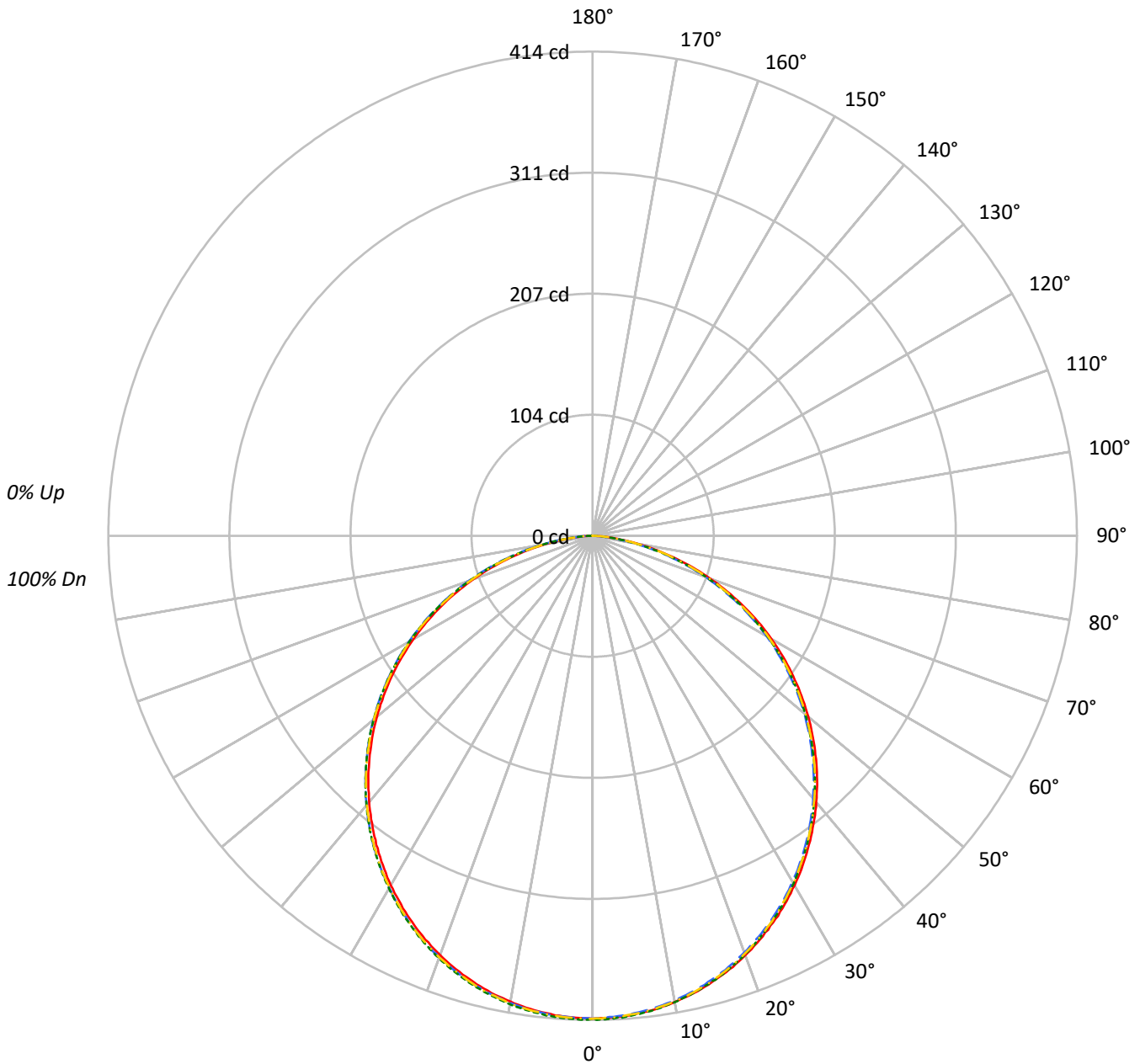
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1150.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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: SMX4RLSFS2W-1000LM-2700K

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	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70																			
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59																			
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50																			
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44																			
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38																			
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34																			
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30																			
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27																			
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	51976	51976	51976	51976
5°	51884	51947	51859	52061
10°	51730	51743	51679	51973
15°	51464	51360	51438	51764
20°	51133	50999	51080	51455
25°	50698	50462	50628	51073
30°	50179	49888	50135	50585
35°	49547	49194	49547	50039
40°	48826	48431	48826	49401
45°	48072	47520	48019	48642
50°	47106	46460	47106	47831
55°	45945	45177	45967	46823
60°	44425	43544	44526	45482
65°	42375	41333	42643	43685
70°	39335	38157	39813	40991
75°	34815	33502	35642	37052
80°	27902	26236	29352	30874
85°	17616	15450	19494	21659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 247.5°

Vertical Angle: 45°

Luminance: 48980 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	3.4
10°-20°	111.5	9.7
20°-30°	168.2	14.6
30°-40°	201.7	17.5
40°-50°	208.2	18.1
50°-60°	187.1	16.3
60°-70°	140.9	12.2
70°-80°	76.8	6.7
80°-90°	16.8	1.5
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°	318.7	27.7
0°-40°	520.4	45.2
0°-60°	915.6	79.6
0°-90°	1150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1150.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	413	413	413	413	413	
5°	411	411	410	412	411	39
15°	395	394	395	397	395	111
25°	365	363	365	368	365	168
35°	322	320	322	326	322	202
45°	270	267	270	273	270	208
55°	209	206	210	213	209	187
65°	142	139	143	147	142	141
75°	72	69	73	76	72	76
85°	12	11	14	15	12	16
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°	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0
0.5°	412.7	412.6	412.7	412.0	413.9	413.6	412.7	412.6	412.6	412.5	412.6
1°	412.5	412.5	412.1	412.2	413.5	413.3	412.8	412.8	412.5	413.0	412.4
1.5°	412.4	412.3	412.3	411.7	413.6	413.3	412.3	412.3	412.6	412.5	412.4
2°	412.4	412.3	411.7	411.7	413.3	413.1	412.4	412.6	412.3	412.3	412.5
2.5°	412.3	412.0	411.8	411.3	413.1	412.6	412.2	412.2	412.1	412.2	412.2
3°	411.9	411.8	411.2	411.1	412.5	412.6	412.0	412.3	412.0	412.0	412.0
3.5°	411.7	411.4	411.1	410.5	412.8	412.4	411.7	411.5	411.7	411.8	411.8
4°	411.5	411.2	410.5	410.4	412.1	411.8	411.1	411.6	411.2	411.7	411.7
4.5°	411.3	410.6	410.3	409.9	411.7	411.7	410.7	410.8	411.3	411.5	411.4
5°	410.7	410.4	409.8	409.5	411.2	410.9	410.5	410.8	410.5	411.1	410.9
5.5°	410.1	409.9	409.4	408.8	411.1	410.8	410.1	409.8	410.1	410.8	411.0
6°	409.8	409.3	408.9	408.5	410.2	409.9	409.5	409.8	409.8	409.9	410.2
6.5°	409.4	408.9	408.3	407.9	409.8	409.6	409.1	408.7	409.2	409.7	409.7
7°	408.9	408.4	408.0	407.2	409.4	408.8	408.4	408.9	408.7	408.9	409.5
7.5°	408.4	407.8	407.1	406.5	408.5	408.5	408.1	407.8	408.1	408.7	409.0
8°	407.6	407.2	406.5	405.9	408.0	407.6	407.2	407.6	407.5	407.7	408.2
8.5°	406.9	406.4	405.7	404.9	407.3	407.1	406.5	406.4	406.8	407.3	407.9
9°	406.5	405.7	405.0	404.3	406.3	406.2	405.8	406.1	406.1	406.5	407.1
9.5°	405.7	404.8	404.4	403.4	405.6	405.6	405.0	404.9	405.4	405.9	406.4
10°	404.8	404.1	403.3	402.9	404.9	404.6	404.4	404.6	404.4	405.1	405.7
10.5°	404.0	403.5	402.6	401.7	404.2	403.6	403.3	403.6	403.7	404.4	404.7
11°	403.0	402.4	401.6	401.4	403.0	402.9	402.6	402.9	402.7	403.6	403.9
11.5°	402.3	401.8	400.9	399.8	402.1	401.8	401.7	401.8	402.0	402.8	403.0
12°	401.3	400.6	399.7	398.9	401.2	401.0	400.5	401.0	401.3	401.8	402.6
12.5°	400.5	399.5	398.8	397.8	400.2	400.1	399.7	399.5	400.4	400.9	401.3
13°	399.5	398.8	397.4	396.9	399.1	399.0	398.5	399.0	399.1	399.9	400.5
13.5°	398.4	397.5	396.6	395.7	398.3	397.6	397.5	397.7	398.3	398.7	399.6
14°	397.2	396.5	395.8	394.6	396.8	397.1	396.4	396.9	397.0	397.7	398.5
14.5°	396.4	395.3	394.1	393.2	396.0	395.4	395.4	395.5	396.1	396.9	397.5
15°	395.0	394.2	393.1	392.1	394.2	394.6	394.0	394.6	394.8	395.5	396.3
15.5°	393.8	392.8	391.8	391.0	393.9	393.1	392.9	392.9	393.6	394.4	395.3
16°	392.6	391.7	390.8	389.5	391.9	391.9	391.6	392.0	392.4	393.3	393.9
16.5°	391.3	390.5	389.2	388.3	391.1	390.5	390.3	390.6	391.3	392.1	392.9
17°	390.2	389.4	388.3	386.7	389.5	389.5	389.0	389.5	389.8	390.7	391.5
17.5°	388.6	387.7	386.5	385.4	388.4	387.9	387.6	387.9	388.7	389.6	390.4
18°	387.7	386.6	385.2	384.2	386.7	386.6	386.2	386.9	387.2	387.9	389.1
18.5°	386.0	385.1	384.0	382.5	385.5	385.1	384.9	385.1	386.0	387.1	387.7
19°	384.8	383.7	382.0	381.0	383.9	383.5	383.5	383.8	384.5	385.5	386.2
19.5°	383.1	381.9	380.8	379.6	382.5	382.3	381.7	382.1	382.9	384.1	385.0
20°	381.8	380.5	379.2	378.1	380.8	380.5	380.3	381.0	381.4	382.6	383.6
20.5°	380.2	378.9	377.7	376.5	379.4	379.2	378.7	379.2	380.0	381.1	381.8
21°	378.9	377.6	375.9	374.8	377.3	377.5	377.2	377.8	378.5	379.5	380.7



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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°	373.7	372.4	371.0	369.8	372.7	372.6	372.1	372.7	373.8	374.7	375.7
23°	372.1	370.8	369.4	368.1	370.7	370.5	370.4	371.2	371.8	372.8	374.3
23.5°	369.9	369.0	367.4	366.5	369.1	369.1	368.7	369.1	370.2	371.3	372.5
24°	368.9	367.3	365.6	364.4	367.3	367.1	366.7	367.5	368.6	369.5	370.7
24.5°	366.4	365.4	363.6	362.6	365.5	365.1	365.0	365.5	366.7	367.7	368.9
25°	365.1	363.7	362.0	360.6	363.4	363.4	363.4	363.9	364.6	365.8	367.1
25.5°	363.0	361.7	360.1	358.8	361.6	361.4	361.2	361.7	362.9	364.1	365.5
26°	361.6	359.7	358.2	356.8	359.8	359.4	359.4	360.0	361.1	362.4	363.5
26.5°	359.2	357.8	356.2	354.9	357.6	357.7	357.4	358.1	359.0	360.3	361.7
27°	357.7	356.0	354.1	352.9	355.9	355.8	355.6	356.3	357.5	358.5	359.9
27.5°	355.4	353.8	352.3	350.9	353.8	353.6	353.2	354.1	355.1	356.3	357.8
28°	353.5	352.0	350.2	348.8	351.8	351.6	351.4	352.2	353.0	354.6	356.0
28.5°	351.4	349.7	348.0	346.6	349.6	349.4	349.3	349.9	351.0	352.4	353.9
29°	349.6	347.6	346.0	344.6	347.4	347.4	347.1	348.1	349.3	350.4	352.1
29.5°	347.1	345.7	343.8	342.3	345.5	345.2	345.2	345.8	346.9	348.5	349.7
30°	345.3	343.6	341.8	340.4	343.3	343.1	342.8	344.0	345.0	346.3	348.0
30.5°	343.0	341.3	339.4	338.0	341.1	341.0	340.9	341.4	342.7	344.1	345.6
31°	340.9	339.3	337.4	336.0	338.8	338.8	338.4	339.5	340.8	342.2	343.5
31.5°	338.7	336.8	335.2	333.7	336.8	336.5	336.3	337.3	338.1	339.8	341.2
32°	336.5	334.7	332.8	331.4	334.3	334.3	334.1	335.1	336.1	337.8	339.2
32.5°	334.2	332.4	330.4	329.2	331.9	331.9	331.8	332.5	333.8	335.3	337.0
33°	331.8	330.2	328.4	326.7	329.6	329.6	329.6	330.5	331.7	333.1	334.8
33.5°	329.6	327.6	325.9	324.2	327.4	327.3	327.4	327.9	329.2	330.9	332.7
34°	327.4	325.5	323.5	321.9	324.9	324.9	324.9	325.7	327.1	328.5	330.1
34.5°	324.9	322.9	321.3	319.6	322.7	322.7	322.5	323.2	324.4	326.4	328.1
35°	322.5	320.8	318.7	317.1	320.2	320.0	319.9	321.1	322.5	323.9	325.4
35.5°	320.2	318.3	316.4	314.8	317.9	317.7	317.7	318.4	319.5	321.4	323.4
36°	317.7	315.9	313.8	312.2	315.4	315.0	315.2	316.4	317.6	319.1	320.5
36.5°	315.3	313.3	311.6	309.7	312.9	312.7	312.7	313.4	314.9	316.9	318.5
37°	312.7	311.0	308.7	307.2	310.2	310.0	310.2	311.2	312.6	313.9	315.8
37.5°	310.3	308.1	306.4	304.7	308.0	307.6	307.7	308.5	309.8	311.9	313.6
38°	307.6	305.8	303.5	302.1	305.1	305.0	305.2	306.2	307.6	309.1	310.8
38.5°	305.5	303.0	301.3	299.4	302.8	302.4	302.6	303.4	304.8	306.8	308.6
39°	302.6	300.7	298.4	297.1	300.0	299.9	300.1	301.1	302.5	304.1	305.9
39.5°	300.3	297.9	295.9	294.2	297.4	297.3	297.3	298.1	299.8	301.6	303.3
40°	297.2	295.3	293.2	291.5	294.8	294.5	294.7	295.8	297.2	299.0	300.8
40.5°	294.9	292.6	290.4	288.9	292.1	291.9	292.1	293.1	294.4	296.3	298.2
41°	292.1	290.2	287.9	286.2	289.4	289.3	289.6	290.4	291.7	293.7	295.6
41.5°	289.6	287.2	285.2	283.5	286.7	286.5	286.8	287.7	289.2	291.0	292.7
42°	286.8	284.8	282.4	280.9	284.0	283.8	284.0	284.7	286.4	288.3	290.1
42.5°	284.1	281.8	279.7	278.0	281.2	281.0	281.3	282.2	283.7	285.6	287.6
43°	281.3	279.0	276.7	275.2	278.4	278.3	278.5	279.6	281.2	282.8	284.7
43.5°	278.7	276.3	274.4	272.5	275.4	275.5	275.8	276.7	278.4	280.0	282.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	270.1	267.8	265.5	263.8	267.0	267.1	267.4	268.1	269.8	272.0	273.6
45.5°	267.1	264.9	262.8	261.2	264.0	264.1	264.5	265.5	267.2	269.0	270.9
46°	264.5	262.1	259.9	258.1	261.2	261.3	261.4	262.4	264.1	266.1	267.9
46.5°	261.4	259.2	256.8	255.3	258.2	258.2	258.6	259.6	261.3	263.2	265.3
47°	258.5	256.3	253.9	252.2	255.4	255.3	255.6	256.6	258.3	260.6	262.3
47.5°	255.5	253.3	251.0	249.2	252.3	252.3	252.8	253.8	255.7	257.6	259.4
48°	252.6	250.5	248.1	246.2	249.5	249.5	249.8	250.9	252.6	254.4	256.6
48.5°	249.6	247.4	245.1	243.2	246.5	246.5	246.9	247.8	249.7	251.7	253.5
49°	246.7	244.5	241.9	240.1	243.4	243.4	243.8	244.9	246.6	248.7	250.7
49.5°	243.6	241.3	239.2	237.4	240.5	240.4	240.8	241.9	243.7	245.6	247.6
50°	240.6	238.5	236.0	233.9	237.3	237.2	237.7	238.9	240.6	242.6	244.8
50.5°	237.6	235.1	233.0	231.1	234.3	234.3	234.7	235.9	237.7	239.6	241.6
51°	234.4	232.3	229.8	228.1	231.3	231.2	231.7	232.8	234.4	236.7	238.7
51.5°	231.4	229.1	226.8	225.0	228.2	228.2	228.6	229.7	231.6	233.7	235.5
52°	228.2	226.1	223.5	221.6	225.1	224.9	225.5	226.6	228.2	230.6	232.5
52.5°	225.3	222.8	220.6	218.8	221.9	222.1	222.5	223.5	225.4	227.4	229.4
53°	222.1	219.8	217.3	215.6	218.7	218.8	219.3	220.4	222.2	224.2	226.4
53.5°	219.0	216.5	214.2	212.4	215.7	215.8	216.1	217.2	219.1	221.3	223.2
54°	215.8	213.4	211.0	209.2	212.3	212.2	213.0	214.0	215.9	218.0	220.2
54.5°	212.5	210.2	207.7	206.1	209.3	209.3	209.7	210.9	212.8	214.9	216.9
55°	209.4	207.1	204.7	202.8	205.9	206.0	206.6	207.7	209.5	211.7	213.7
55.5°	206.2	203.7	201.2	199.6	202.8	202.8	203.4	204.6	206.3	208.8	210.7
56°	202.9	200.5	198.3	196.3	199.5	199.5	200.1	201.2	203.1	205.3	207.5
56.5°	199.7	197.2	194.7	193.0	196.3	196.3	196.8	198.1	200.0	202.3	204.4
57°	196.5	194.0	191.6	189.8	193.1	193.0	193.7	194.7	196.7	198.9	200.9
57.5°	193.2	190.7	188.2	186.5	189.6	189.9	190.3	191.5	193.6	195.8	197.7
58°	189.8	187.5	185.0	183.1	186.3	186.5	187.1	188.3	190.0	192.4	194.5
58.5°	186.6	184.0	181.5	179.9	183.1	183.1	183.7	185.0	186.9	189.3	191.3
59°	183.2	180.7	178.3	176.4	179.7	179.9	180.4	181.6	183.6	185.8	188.1
59.5°	179.8	177.4	175.0	173.2	176.4	176.5	177.1	178.3	180.2	182.7	184.5
60°	176.5	174.0	171.6	169.8	173.0	173.0	173.8	175.0	176.9	179.2	181.4
60.5°	173.2	170.7	168.2	166.4	169.7	169.7	170.5	171.8	173.6	175.9	177.9
61°	169.7	167.2	164.7	163.0	166.2	166.3	167.0	168.3	170.3	172.5	174.7
61.5°	166.3	163.9	161.4	159.7	162.9	163.1	163.8	165.1	166.8	169.4	171.3
62°	163.1	160.5	157.9	156.2	159.4	159.7	160.3	161.6	163.5	165.9	167.9
62.5°	159.5	157.0	154.5	152.8	156.1	156.1	156.9	158.2	160.2	162.5	164.6
63°	156.2	153.5	151.1	149.3	152.6	152.7	153.4	154.7	156.8	159.0	161.1
63.5°	152.5	150.0	147.6	145.9	149.1	149.3	150.0	151.3	153.3	155.6	157.8
64°	149.2	146.6	144.2	142.5	145.6	145.8	146.6	147.9	149.9	152.3	154.4
64.5°	145.6	143.1	140.7	138.9	142.3	142.5	143.1	144.4	146.5	148.9	150.9
65°	142.3	139.7	137.4	135.5	138.8	138.9	139.7	141.1	143.2	145.4	147.6
65.5°	138.6	136.2	133.7	132.0	135.2	135.4	136.3	137.6	139.5	141.9	144.0
66°	135.2	132.5	130.3	128.5	131.8	132.0	132.6	134.1	136.2	138.4	140.6



TEST NUMBER: P938611
 CATALOG NUMBER: SMX4RLSFS2W-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	124.6	122.0	119.7	118.0	121.3	121.5	122.3	123.7	125.7	128.0	130.1
68°	121.1	118.5	116.2	114.5	117.9	117.9	118.7	120.3	122.2	124.6	126.8
68.5°	117.5	115.0	112.7	111.0	114.2	114.5	115.4	116.7	118.7	121.1	123.1
69°	114.1	111.4	109.1	107.5	110.7	111.0	111.8	113.2	115.2	117.5	119.7
69.5°	110.4	107.9	105.6	104.0	107.2	107.4	108.3	109.8	111.6	114.0	116.0
70°	106.9	104.3	102.0	100.4	103.7	103.9	104.7	106.2	108.2	110.4	112.7
70.5°	103.4	100.8	98.6	96.9	100.1	100.4	101.3	102.8	104.7	107.1	109.1
71°	99.8	97.4	95.0	93.4	96.6	97.0	97.9	99.2	101.2	103.6	105.6
71.5°	96.3	93.6	91.6	89.9	93.1	93.4	94.3	95.7	97.7	100.0	102.1
72°	92.7	90.3	88.0	86.5	89.7	89.9	90.8	92.4	94.2	96.5	98.6
72.5°	89.2	86.7	84.5	82.8	86.3	86.5	87.3	88.8	90.7	93.0	95.1
73°	85.6	83.1	81.0	79.5	82.7	83.0	83.8	85.4	87.3	89.5	91.6
73.5°	82.1	79.6	77.5	76.0	79.3	79.6	80.4	81.8	83.7	86.1	88.1
74°	78.5	76.2	74.0	72.5	75.9	76.1	76.8	78.4	80.3	82.6	84.7
74.5°	75.2	72.7	70.5	69.2	72.4	72.6	73.4	75.0	76.8	79.2	81.3
75°	71.6	69.4	67.2	65.7	68.9	69.3	70.1	71.5	73.3	75.8	77.7
75.5°	68.2	65.7	63.8	62.3	65.4	65.8	66.7	68.2	70.0	72.3	74.3
76°	64.8	62.5	60.2	58.9	62.1	62.4	63.3	64.8	66.6	68.8	70.8
76.5°	61.3	59.1	56.9	55.5	58.7	59.1	59.8	61.3	63.2	65.4	67.4
77°	58.0	55.7	53.6	52.3	55.3	55.7	56.6	58.0	59.8	62.1	64.0
77.5°	54.6	52.5	50.4	49.0	52.1	52.5	53.4	54.7	56.5	58.7	60.7
78°	51.4	49.1	47.2	45.8	48.8	49.1	50.0	51.4	53.3	55.3	57.3
78.5°	48.0	45.9	44.0	42.6	45.5	45.9	46.7	48.1	50.0	52.1	53.9
79°	44.8	42.7	40.8	39.5	42.4	42.7	43.5	45.0	46.8	48.8	50.6
79.5°	41.7	39.6	37.6	36.5	39.3	39.6	40.6	41.9	43.5	45.6	47.5
80°	38.5	36.5	34.5	33.6	36.2	36.5	37.3	38.8	40.5	42.4	44.2
80.5°	35.6	33.6	31.7	30.8	33.2	33.5	34.4	35.8	37.4	39.4	41.2
81°	32.7	30.9	29.0	28.0	30.3	30.7	31.4	32.7	34.4	36.4	38.0
81.5°	30.0	28.0	26.3	25.2	27.4	27.8	28.6	29.9	31.4	33.3	35.0
82°	27.1	25.3	23.6	22.3	24.7	25.0	25.7	27.0	28.6	30.4	31.9
82.5°	24.3	22.5	20.8	19.8	22.0	22.3	23.1	24.4	25.8	27.6	29.1
83°	21.5	19.8	18.3	17.3	19.5	19.7	20.4	21.7	23.1	24.8	26.3
83.5°	19.0	17.4	15.9	14.9	17.0	17.3	18.1	19.2	20.5	22.2	23.7
84°	16.7	15.0	13.7	12.8	14.6	14.9	15.6	16.8	18.1	19.7	21.0
84.5°	14.3	12.9	11.6	10.8	12.5	12.8	13.5	14.5	15.7	17.2	18.5
85°	12.2	10.8	9.6	8.8	10.7	11.0	11.7	12.3	13.5	14.8	16.1
85.5°	10.2	8.9	7.9	7.1	9.0	9.3	9.9	10.7	11.8	12.8	13.9
86°	8.5	7.3	6.3	5.6	7.4	7.7	8.2	9.0	10.2	11.0	11.8
86.5°	6.8	5.7	4.8	4.2	5.7	5.9	6.4	7.4	8.5	9.3	10.2
87°	5.4	4.4	3.6	3.1	4.0	4.2	4.6	5.7	6.9	7.7	8.6
87.5°	4.1	3.3	3.0	2.3	2.9	3.0	3.4	4.0	5.2	6.0	7.0
88°	3.5	2.8	2.4	1.6	2.1	2.2	2.6	3.0	3.6	4.3	5.4
88.5°	2.9	2.3	1.7	1.4	1.5	1.6	1.9	2.3	2.7	3.2	3.8



TEST NUMBER: P938611
CATALOG NUMBER: SMX4RLSFS2W-1000LM-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: P938611

CATALOG NUMBER: SMX4RLSFSD2W-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	413.0	413.0	413.0	413.0	413.0	413.0
0.5°	412.1	413.7	413.7	413.1	412.5	412.7
1°	412.5	414.0	413.7	413.0	413.2	412.5
1.5°	412.1	413.8	413.5	412.7	412.4	412.4
2°	412.1	413.5	413.4	413.1	413.0	412.4
2.5°	412.3	413.5	413.6	412.6	412.2	412.3
3°	411.9	413.4	413.1	412.5	412.5	411.9
3.5°	411.6	413.2	413.2	412.2	411.8	411.7
4°	411.6	412.9	412.4	412.0	412.1	411.5
4.5°	411.3	412.8	412.4	411.5	411.1	411.3
5°	410.9	412.1	411.9	411.3	411.2	410.7
5.5°	410.5	412.1	411.8	411.0	410.3	410.1
6°	410.5	411.5	411.0	410.6	410.4	409.8
6.5°	409.7	410.9	410.8	410.0	409.5	409.4
7°	409.6	410.5	409.8	409.6	409.1	408.9
7.5°	408.5	409.9	409.8	409.2	408.5	408.4
8°	408.5	409.4	409.2	408.5	408.2	407.6
8.5°	407.7	408.8	408.5	408.1	407.2	406.9
9°	407.7	408.1	407.8	407.2	406.9	406.5
9.5°	406.1	407.7	407.5	406.8	406.0	405.7
10°	406.1	406.7	406.2	405.7	405.5	404.8
10.5°	404.8	406.0	405.9	405.2	404.4	404.0
11°	404.5	405.0	404.7	404.2	403.8	403.0
11.5°	403.6	404.3	404.0	403.5	402.7	402.3
12°	403.0	403.3	403.0	402.3	402.3	401.3
12.5°	401.9	402.6	402.3	401.9	400.8	400.5
13°	401.3	401.5	401.3	400.6	400.2	399.5
13.5°	399.8	400.7	400.1	399.8	398.9	398.4
14°	399.1	399.3	399.1	398.5	398.4	397.2
14.5°	397.9	398.5	398.2	397.5	396.9	396.4
15°	397.0	397.3	397.1	396.4	395.9	395.0
15.5°	395.4	396.3	396.3	395.2	394.5	393.8
16°	395.1	395.0	394.6	394.1	393.4	392.6
16.5°	393.1	393.9	393.8	392.7	392.1	391.3
17°	392.4	392.5	392.1	391.7	391.0	390.2
17.5°	390.8	391.3	391.4	390.2	389.5	388.6
18°	389.8	389.9	389.6	389.2	388.4	387.7
18.5°	388.2	388.7	388.7	387.6	386.6	386.0
19°	387.1	387.0	386.9	386.2	385.8	384.8
19.5°	385.3	385.9	386.0	384.8	383.8	383.1
20°	384.2	384.2	384.1	383.6	382.7	381.8
20.5°	382.6	382.9	383.0	381.9	380.8	380.2
21°	381.4	381.1	381.0	380.6	379.8	378.9

TEST NUMBER: P938611

CATALOG NUMBER: SMX4RLSFS2W-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	376.6	376.7	376.4	375.6	374.6	373.7
23°	374.7	374.7	374.6	374.1	373.5	372.1
23.5°	373.2	373.3	373.0	372.2	371.1	369.9
24°	371.6	371.3	371.2	370.6	369.6	368.9
24.5°	369.5	369.6	369.5	368.9	367.5	366.4
25°	368.0	367.8	367.6	367.1	366.3	365.1
25.5°	366.2	365.9	366.1	365.1	363.8	363.0
26°	364.3	364.1	364.0	363.4	362.3	361.6
26.5°	362.6	362.4	362.2	361.5	360.2	359.2
27°	360.6	360.2	360.2	359.6	358.5	357.7
27.5°	358.8	358.4	358.5	357.5	356.1	355.4
28°	356.8	356.3	356.5	355.6	354.9	353.5
28.5°	354.7	354.3	354.4	353.4	352.2	351.4
29°	352.9	352.3	352.2	351.7	350.8	349.6
29.5°	350.7	350.4	350.4	349.5	348.3	347.1
30°	348.8	348.1	348.2	347.5	346.5	345.3
30.5°	346.5	346.1	346.3	345.2	344.0	343.0
31°	344.7	344.0	343.9	343.3	342.2	340.9
31.5°	342.3	341.8	341.8	340.8	339.8	338.7
32°	340.2	339.5	339.4	339.0	337.9	336.5
32.5°	338.0	337.4	337.5	336.6	335.3	334.2
33°	335.8	335.0	335.2	334.7	333.4	331.8
33.5°	333.5	332.9	332.8	331.9	330.9	329.6
34°	331.2	330.6	330.4	329.9	328.7	327.4
34.5°	329.0	328.2	328.4	327.3	326.1	324.9
35°	326.6	325.7	325.7	325.3	324.1	322.5
35.5°	324.0	323.4	323.7	322.7	321.1	320.2
36°	321.9	321.1	320.9	320.3	319.2	317.7
36.5°	319.3	318.4	318.7	317.8	316.5	315.3
37°	317.3	316.1	316.0	315.6	314.2	312.7
37.5°	314.5	313.6	313.8	312.8	311.6	310.3
38°	312.1	311.0	311.3	310.5	309.1	307.6
38.5°	309.6	308.5	308.6	307.8	306.5	305.5
39°	307.3	306.0	306.1	305.4	304.3	302.6
39.5°	304.5	303.4	303.5	302.7	301.2	300.3
40°	301.8	300.7	300.9	300.3	298.9	297.2
40.5°	299.5	298.2	298.2	297.6	296.0	294.9
41°	296.7	295.6	295.7	294.9	293.7	292.1
41.5°	294.2	292.8	293.0	292.2	290.9	289.6
42°	291.5	290.2	290.2	289.7	288.3	286.8
42.5°	288.9	287.4	287.6	286.8	285.3	284.1
43°	286.1	284.7	284.9	284.1	282.8	281.3
43.5°	283.4	282.0	282.0	281.4	280.0	278.7



TEST NUMBER: P938611

CATALOG NUMBER: SMX4RLSFS2W-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	275.2	273.3	273.6	273.0	271.8	270.1
45.5°	272.1	270.9	270.8	270.0	268.7	267.1
46°	269.5	267.9	268.0	267.5	266.1	264.5
46.5°	266.4	265.1	265.2	264.3	262.9	261.4
47°	263.8	262.1	262.2	261.3	260.1	258.5
47.5°	260.8	259.4	259.4	258.6	257.2	255.5
48°	257.9	256.3	256.3	255.8	254.5	252.6
48.5°	255.0	253.4	253.5	252.6	251.3	249.6
49°	252.0	250.6	250.4	249.8	248.4	246.7
49.5°	249.2	247.4	247.6	246.7	245.2	243.6
50°	246.1	244.3	244.4	243.9	242.3	240.6
50.5°	243.0	241.3	241.6	240.6	239.3	237.6
51°	240.1	238.4	238.3	237.7	236.2	234.4
51.5°	237.0	235.1	235.3	234.6	233.1	231.4
52°	234.0	232.2	232.3	231.7	230.3	228.2
52.5°	230.9	229.0	229.2	228.2	227.0	225.3
53°	227.7	226.0	226.0	225.5	223.8	222.1
53.5°	224.7	222.8	222.9	222.1	220.7	219.0
54°	221.6	219.6	219.7	219.0	217.5	215.8
54.5°	218.2	216.5	216.6	215.8	214.3	212.5
55°	215.4	213.4	213.5	212.8	211.3	209.4
55.5°	211.9	210.1	210.1	209.4	207.8	206.2
56°	209.1	207.0	207.0	206.3	204.8	202.9
56.5°	205.7	203.6	203.8	203.0	201.6	199.7
57°	202.6	200.4	200.5	199.9	198.3	196.5
57.5°	199.2	197.2	197.1	196.3	194.8	193.2
58°	196.0	194.0	194.0	193.2	191.7	189.8
58.5°	192.7	190.7	190.5	189.8	188.5	186.6
59°	189.4	187.3	187.5	186.6	184.9	183.2
59.5°	186.1	184.0	183.9	183.1	181.8	179.8
60°	182.9	180.7	180.7	179.9	178.4	176.5
60.5°	179.4	177.4	177.3	176.5	175.0	173.2
61°	176.3	173.9	173.9	173.1	171.7	169.7
61.5°	172.7	170.6	170.6	169.7	168.2	166.3
62°	169.5	167.2	167.2	166.5	164.9	163.1
62.5°	165.9	163.8	163.8	162.9	161.4	159.5
63°	162.7	160.4	160.3	159.6	158.0	156.2
63.5°	159.2	156.9	156.9	156.0	154.6	152.5
64°	155.8	153.6	153.4	152.8	151.1	149.2
64.5°	152.5	150.0	150.0	149.1	147.6	145.6
65°	149.0	146.7	146.5	145.7	144.1	142.3
65.5°	145.4	143.1	143.0	142.2	140.7	138.6
66°	142.0	139.6	139.4	138.8	137.2	135.2



TEST NUMBER: P938611
 CATALOG NUMBER: SMX4RLSFS2W-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	131.5	129.1	129.0	128.2	126.6	124.6
68°	128.1	125.6	125.4	124.7	123.0	121.1
68.5°	124.6	122.1	121.9	121.1	119.6	117.5
69°	121.1	118.6	118.2	117.6	116.0	114.1
69.5°	117.4	115.0	114.9	114.0	112.4	110.4
70°	114.0	111.4	111.2	110.5	108.9	106.9
70.5°	110.7	107.8	107.7	106.9	105.3	103.4
71°	107.0	104.3	104.2	103.4	101.8	99.8
71.5°	103.5	100.9	100.6	99.8	98.3	96.3
72°	100.0	97.3	97.1	96.3	94.7	92.7
72.5°	96.5	93.7	93.6	92.8	91.2	89.2
73°	92.9	90.3	90.0	89.2	87.6	85.6
73.5°	89.4	86.8	86.5	85.7	84.1	82.1
74°	86.0	83.2	82.9	82.1	80.5	78.5
74.5°	82.4	79.8	79.5	78.6	77.1	75.2
75°	79.0	76.2	76.0	75.2	73.6	71.6
75.5°	75.5	72.7	72.5	71.7	70.2	68.2
76°	72.0	69.4	69.0	68.2	66.6	64.8
76.5°	68.6	65.8	65.5	64.8	63.2	61.3
77°	65.2	62.5	62.1	61.3	59.8	58.0
77.5°	61.8	59.1	58.9	58.1	56.5	54.6
78°	58.4	55.7	55.4	54.7	53.2	51.4
78.5°	55.0	52.4	52.1	51.3	49.8	48.0
79°	51.8	49.2	48.8	48.1	46.6	44.8
79.5°	48.5	45.9	45.6	44.8	43.4	41.7
80°	45.3	42.6	42.4	41.8	40.2	38.5
80.5°	42.2	39.5	39.3	38.6	37.2	35.6
81°	39.0	36.6	36.3	35.6	34.3	32.7
81.5°	36.0	33.7	33.4	32.7	31.4	30.0
82°	33.0	31.0	30.7	30.0	28.6	27.1
82.5°	30.1	28.1	27.8	27.1	25.7	24.3
83°	27.2	25.3	25.0	24.4	22.9	21.5
83.5°	24.6	22.4	22.2	21.5	20.3	19.0
84°	21.9	19.9	19.7	19.1	17.9	16.7
84.5°	19.4	17.4	17.2	16.6	15.6	14.3
85°	16.9	15.0	14.8	14.3	13.4	12.2
85.5°	14.6	12.9	12.7	12.2	11.3	10.2
86°	12.5	10.9	10.7	10.2	9.4	8.5
86.5°	10.8	8.9	8.7	8.5	7.7	6.8
87°	9.1	7.3	7.2	6.8	6.1	5.4
87.5°	7.5	5.7	5.7	5.4	4.8	4.1
88°	5.8	4.4	4.3	4.1	3.6	3.5
88.5°	4.2	3.3	3.2	3.6	3.1	2.9



TEST NUMBER: P938611
CATALOG NUMBER: SMX4RLSFSD2W-1000LM-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°	376.8	375.7	374.6	373.1	376.1	375.7	375.4	376.0	377.0	378.1	378.8
22°	375.5	374.3	372.4	371.5	374.1	374.2	373.8	374.6	375.0	376.1	377.5



44°	275.7	273.5	271.2	269.4	272.8	272.8	273.0	273.8	275.4	277.4	279.2
44.5°	272.8	270.8	268.5	266.9	269.9	269.9	269.9	271.0	272.7	274.6	276.5



66.5°	131.6	129.0	126.6	125.1	128.3	128.5	129.3	130.7	132.6	134.9	137.1
67°	128.2	125.7	123.1	121.5	124.9	125.0	125.8	127.2	129.1	131.4	133.7



89°	2.4	1.7	1.1	1.1	1.0	1.1	1.4	1.7	2.0	2.5	2.8
89.5°	1.8	1.2	0.9	0.9	0.8	0.9	1.0	1.3	1.6	1.9	2.2

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21.5°	379.5	379.7	379.6	378.7	377.9	376.8
22°	378.2	378.0	377.9	377.3	376.4	375.5



44°	280.6	279.0	279.3	278.5	277.5	275.7
44.5°	277.8	276.5	276.5	275.8	274.1	272.8



66.5°	138.5	136.1	136.2	135.1	133.7	131.6
67°	135.0	132.6	132.4	131.8	130.1	128.2



89°	3.1	2.8	2.8	3.0	2.6	2.4
89.5°	2.4	2.3	2.3	2.5	2.0	1.8

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Scaled Data Report



(END OF REPORT)