

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: P938621

Luminaire Tested: SMX4RLSFSD2W-800LM-2700K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938621
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-800LM-2700K
Description: 4IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

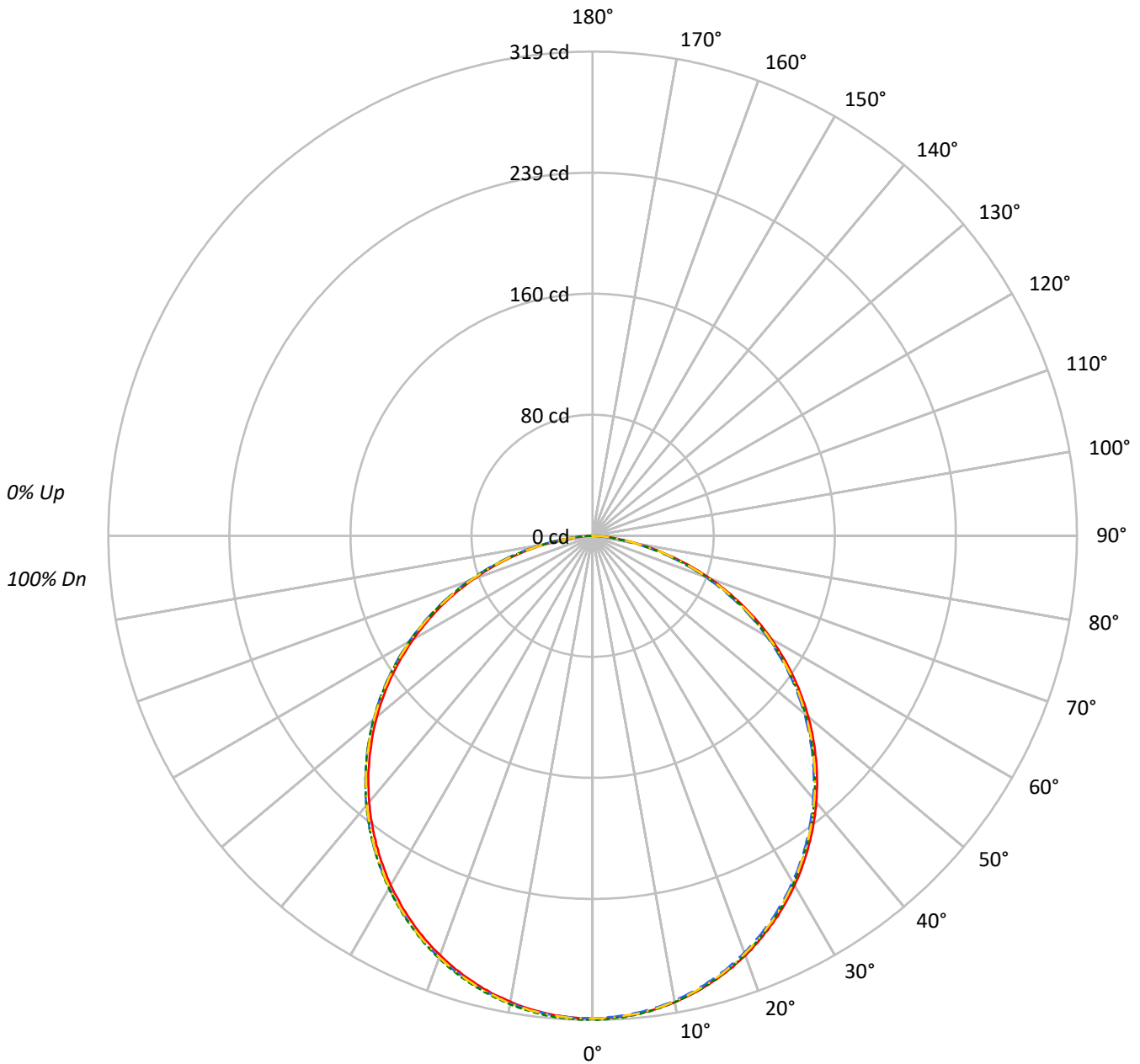
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.2 lumens
Efficiency: N/A
Efficacy: 100.7 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): 8.8
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-800LM-2700K

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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84	84	84	84	84	84		
	2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70	70	70	70	70	70		
	3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59	59	59	59	59	59		
	4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50	50	50	50	50	50		
	5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44	44	44	44	44	44		
	6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38	38	38	38	38	38		
	7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34	34	34	34	34	34		
	8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30	30	30	30	30	30		
	9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27	27	27	27	27	27		
	10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24	24	24	24	24	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40058	40058	40058	40058
5°	39984	40034	39971	40123
10°	39871	39871	39833	40050
15°	39660	39582	39634	39895
20°	39415	39307	39361	39656
25°	39075	38881	39020	39353
30°	38669	38451	38640	38989
35°	38178	37917	38178	38562
40°	37638	37326	37638	38065
45°	37055	36610	37002	37500
50°	36299	35810	36299	36847
55°	35413	34821	35413	36093
60°	34231	33552	34307	35062
65°	32637	31863	32846	33680
70°	30320	29400	30688	31608
75°	26841	25820	27473	28591
80°	21525	20220	22612	23844
85°	13573	11985	15017	16750

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 247.5°
 Vertical Angle: 45°
 Luminance: 37749 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	3.4
10°-20°	85.9	9.7
20°-30°	129.6	14.6
30°-40°	155.4	17.5
40°-50°	160.4	18.1
50°-60°	144.2	16.3
60°-70°	108.6	12.2
70°-80°	59.2	6.7
80°-90°	12.9	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°	245.6	27.7
0°-40°	401.0	45.2
0°-60°	705.6	79.6
0°-90°	886.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	318	318	318	318	318	
5°	316	317	316	318	316	30
15°	304	304	304	306	304	86
25°	281	280	281	283	281	130
35°	248	247	248	251	248	155
45°	208	206	208	211	208	160
55°	161	159	161	164	161	144
65°	110	107	110	113	110	108
75°	55	53	56	59	55	58
85°	9	8	10	12	9	13
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°	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3
0.5°	318.0	318.0	318.0	317.5	318.9	318.7	318.0	318.0	318.0	317.9	318.0
1°	317.9	317.9	317.6	317.6	318.6	318.5	318.1	318.1	317.9	318.3	317.8
1.5°	317.8	317.7	317.7	317.3	318.7	318.5	317.7	317.7	318.0	317.9	317.8
2°	317.8	317.7	317.3	317.3	318.5	318.3	317.8	318.0	317.7	317.7	317.9
2.5°	317.7	317.5	317.3	317.0	318.3	318.0	317.6	317.6	317.6	317.6	317.6
3°	317.4	317.3	316.9	316.8	317.9	318.0	317.5	317.7	317.5	317.5	317.5
3.5°	317.3	317.0	316.8	316.4	318.1	317.8	317.3	317.1	317.3	317.3	317.3
4°	317.1	316.9	316.4	316.3	317.6	317.3	316.8	317.2	316.9	317.3	317.3
4.5°	317.0	316.4	316.2	315.9	317.3	317.3	316.5	316.6	317.0	317.1	317.0
5°	316.5	316.3	315.8	315.6	316.9	316.7	316.4	316.6	316.4	316.8	316.7
5.5°	316.1	315.9	315.5	315.1	316.8	316.6	316.1	315.8	316.1	316.6	316.7
6°	315.8	315.5	315.2	314.8	316.1	315.9	315.6	315.8	315.8	315.9	316.1
6.5°	315.5	315.2	314.6	314.3	315.8	315.7	315.3	315.0	315.4	315.8	315.8
7°	315.2	314.7	314.4	313.8	315.5	315.1	314.7	315.2	315.0	315.2	315.6
7.5°	314.7	314.2	313.7	313.3	314.8	314.8	314.5	314.2	314.5	315.0	315.2
8°	314.1	313.8	313.3	312.8	314.4	314.1	313.8	314.1	314.0	314.2	314.5
8.5°	313.6	313.2	312.7	312.0	313.9	313.7	313.3	313.2	313.5	313.9	314.3
9°	313.3	312.7	312.1	311.6	313.1	313.0	312.7	313.0	313.0	313.3	313.7
9.5°	312.7	312.0	311.7	310.9	312.6	312.6	312.1	312.0	312.4	312.8	313.2
10°	312.0	311.4	310.8	310.5	312.0	311.8	311.7	311.8	311.7	312.2	312.7
10.5°	311.4	311.0	310.2	309.5	311.5	311.1	310.8	311.1	311.1	311.7	311.9
11°	310.6	310.1	309.5	309.3	310.6	310.5	310.2	310.5	310.3	311.1	311.3
11.5°	310.0	309.6	308.9	308.1	309.9	309.6	309.5	309.6	309.8	310.4	310.6
12°	309.2	308.7	308.0	307.4	309.2	309.0	308.6	309.0	309.2	309.6	310.2
12.5°	308.6	307.9	307.4	306.6	308.4	308.3	308.0	307.9	308.6	308.9	309.2
13°	307.9	307.4	306.3	305.8	307.6	307.5	307.1	307.5	307.6	308.2	308.6
13.5°	307.0	306.4	305.6	304.9	307.0	306.4	306.4	306.5	307.0	307.3	308.0
14°	306.1	305.5	305.0	304.1	305.8	306.0	305.5	305.8	305.9	306.5	307.1
14.5°	305.5	304.6	303.7	303.0	305.2	304.7	304.7	304.8	305.2	305.8	306.4
15°	304.4	303.8	303.0	302.2	303.8	304.1	303.6	304.1	304.2	304.8	305.4
15.5°	303.5	302.7	302.0	301.3	303.6	303.0	302.8	302.8	303.3	303.9	304.6
16°	302.6	301.9	301.1	300.2	302.1	302.1	301.8	302.1	302.4	303.1	303.6
16.5°	301.5	300.9	299.9	299.2	301.4	300.9	300.8	301.0	301.5	302.2	302.8
17°	300.7	300.1	299.2	298.0	300.2	300.2	299.8	300.2	300.4	301.1	301.7
17.5°	299.5	298.8	297.9	297.0	299.3	298.9	298.7	298.9	299.6	300.2	300.8
18°	298.8	298.0	296.8	296.1	298.0	298.0	297.7	298.2	298.4	298.9	299.9
18.5°	297.4	296.8	295.9	294.8	297.1	296.8	296.6	296.8	297.4	298.3	298.8
19°	296.5	295.7	294.4	293.6	295.8	295.5	295.5	295.8	296.3	297.1	297.7
19.5°	295.2	294.3	293.5	292.5	294.8	294.6	294.2	294.5	295.1	296.0	296.7
20°	294.3	293.3	292.2	291.4	293.5	293.3	293.0	293.6	293.9	294.9	295.6
20.5°	293.0	292.0	291.1	290.2	292.4	292.2	291.8	292.2	292.8	293.7	294.3
21°	292.0	291.0	289.7	288.9	290.8	290.9	290.7	291.1	291.7	292.4	293.4



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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°	288.0	287.0	285.9	285.0	287.2	287.1	286.8	287.2	288.0	288.8	289.6
23°	286.8	285.8	284.7	283.7	285.7	285.5	285.5	286.1	286.5	287.3	288.4
23.5°	285.1	284.3	283.1	282.4	284.4	284.4	284.1	284.5	285.3	286.1	287.1
24°	284.3	283.0	281.8	280.8	283.0	282.9	282.6	283.2	284.0	284.8	285.7
24.5°	282.4	281.6	280.2	279.4	281.7	281.4	281.3	281.7	282.6	283.3	284.3
25°	281.4	280.3	279.0	277.9	280.0	280.1	280.0	280.5	281.0	281.9	282.9
25.5°	279.7	278.7	277.5	276.5	278.7	278.5	278.4	278.7	279.6	280.6	281.7
26°	278.7	277.2	276.1	274.9	277.3	277.0	277.0	277.4	278.3	279.3	280.2
26.5°	276.8	275.7	274.5	273.5	275.5	275.6	275.4	276.0	276.7	277.7	278.7
27°	275.6	274.3	272.9	272.0	274.3	274.2	274.0	274.6	275.5	276.3	277.4
27.5°	273.9	272.7	271.5	270.4	272.7	272.5	272.2	272.9	273.7	274.6	275.8
28°	272.4	271.2	269.9	268.8	271.1	270.9	270.8	271.4	272.1	273.3	274.3
28.5°	270.8	269.5	268.2	267.1	269.4	269.3	269.2	269.6	270.5	271.6	272.7
29°	269.4	267.9	266.6	265.6	267.7	267.7	267.5	268.3	269.2	270.0	271.3
29.5°	267.5	266.4	264.9	263.8	266.2	266.0	266.0	266.5	267.4	268.6	269.5
30°	266.1	264.8	263.4	262.3	264.6	264.4	264.2	265.1	265.9	266.8	268.2
30.5°	264.3	263.1	261.5	260.5	262.9	262.8	262.7	263.1	264.1	265.2	266.3
31°	262.8	261.5	260.0	259.0	261.1	261.1	260.8	261.6	262.6	263.7	264.7
31.5°	261.0	259.6	258.3	257.1	259.6	259.3	259.2	260.0	260.6	261.8	263.0
32°	259.3	257.9	256.5	255.4	257.6	257.6	257.5	258.2	259.0	260.3	261.4
32.5°	257.5	256.2	254.6	253.7	255.8	255.8	255.7	256.2	257.2	258.4	259.7
33°	255.7	254.5	253.1	251.8	254.0	254.0	254.0	254.7	255.6	256.7	258.0
33.5°	254.0	252.5	251.2	249.9	252.3	252.2	252.3	252.7	253.7	255.0	256.4
34°	252.3	250.9	249.3	248.1	250.4	250.4	250.4	251.0	252.1	253.1	254.4
34.5°	250.4	248.8	247.6	246.3	248.7	248.7	248.5	249.0	250.0	251.5	252.8
35°	248.5	247.2	245.6	244.4	246.8	246.6	246.5	247.5	248.5	249.6	250.8
35.5°	246.8	245.3	243.8	242.6	245.0	244.8	244.8	245.4	246.2	247.7	249.2
36°	244.8	243.4	241.9	240.6	243.1	242.8	242.9	243.8	244.7	245.9	247.0
36.5°	243.0	241.5	240.1	238.7	241.2	241.0	241.0	241.6	242.7	244.2	245.5
37°	241.0	239.7	237.9	236.8	239.1	238.9	239.1	239.8	240.9	241.9	243.4
37.5°	239.1	237.5	236.1	234.8	237.4	237.1	237.2	237.8	238.7	240.3	241.7
38°	237.1	235.6	233.9	232.8	235.1	235.0	235.2	235.9	237.1	238.2	239.5
38.5°	235.4	233.5	232.2	230.7	233.4	233.1	233.2	233.8	234.9	236.4	237.8
39°	233.2	231.7	230.0	229.0	231.2	231.1	231.3	232.0	233.1	234.4	235.7
39.5°	231.4	229.6	228.1	226.7	229.2	229.1	229.1	229.7	231.0	232.5	233.8
40°	229.1	227.5	226.0	224.7	227.2	226.9	227.1	227.9	229.1	230.4	231.8
40.5°	227.2	225.5	223.8	222.6	225.1	225.0	225.1	225.9	226.9	228.4	229.8
41°	225.1	223.6	221.9	220.6	223.0	222.9	223.1	223.8	224.8	226.3	227.8
41.5°	223.1	221.3	219.8	218.5	221.0	220.8	221.0	221.7	222.8	224.3	225.6
42°	221.0	219.5	217.6	216.5	218.8	218.7	218.8	219.4	220.7	222.2	223.5
42.5°	218.9	217.2	215.6	214.2	216.7	216.6	216.8	217.5	218.6	220.1	221.6
43°	216.8	215.0	213.2	212.1	214.5	214.4	214.6	215.5	216.7	217.9	219.4
43.5°	214.7	212.9	211.5	210.0	212.2	212.3	212.5	213.2	214.5	215.8	217.3



TEST NUMBER: P938621

CATALOG NUMBER: SMX4RLSFSD2W-800LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	208.2	206.4	204.6	203.3	205.7	205.8	206.0	206.6	207.9	209.6	210.9
45.5°	205.8	204.1	202.6	201.3	203.5	203.5	203.8	204.6	205.9	207.3	208.8
46°	203.8	202.0	200.3	198.9	201.3	201.3	201.4	202.3	203.5	205.1	206.5
46.5°	201.4	199.8	197.9	196.7	199.0	199.0	199.3	200.1	201.3	202.9	204.4
47°	199.2	197.5	195.7	194.4	196.8	196.7	197.0	197.8	199.1	200.8	202.2
47.5°	196.9	195.2	193.5	192.0	194.5	194.5	194.8	195.6	197.0	198.5	199.9
48°	194.7	193.0	191.2	189.8	192.3	192.3	192.5	193.4	194.7	196.0	197.8
48.5°	192.3	190.7	188.8	187.4	190.0	190.0	190.3	191.0	192.4	194.0	195.4
49°	190.1	188.4	186.4	185.1	187.6	187.6	187.9	188.7	190.1	191.6	193.2
49.5°	187.7	186.0	184.3	182.9	185.4	185.3	185.6	186.4	187.8	189.3	190.8
50°	185.4	183.8	181.9	180.3	182.9	182.8	183.2	184.1	185.4	187.0	188.6
50.5°	183.1	181.2	179.5	178.1	180.6	180.6	180.9	181.8	183.2	184.7	186.2
51°	180.7	179.0	177.1	175.7	178.2	178.2	178.6	179.4	180.7	182.4	183.9
51.5°	178.3	176.6	174.8	173.4	175.8	175.8	176.2	177.0	178.5	180.1	181.5
52°	175.9	174.2	172.3	170.8	173.5	173.3	173.8	174.6	175.9	177.7	179.2
52.5°	173.6	171.7	170.0	168.6	171.0	171.1	171.4	172.3	173.7	175.2	176.8
53°	171.1	169.4	167.5	166.1	168.6	168.6	169.0	169.8	171.2	172.8	174.5
53.5°	168.8	166.8	165.1	163.7	166.2	166.3	166.5	167.4	168.9	170.5	172.0
54°	166.3	164.5	162.6	161.2	163.6	163.6	164.2	164.9	166.4	168.0	169.7
54.5°	163.8	162.0	160.1	158.9	161.3	161.3	161.6	162.5	164.0	165.6	167.2
55°	161.4	159.6	157.7	156.3	158.7	158.8	159.2	160.1	161.4	163.2	164.7
55.5°	158.9	157.0	155.1	153.8	156.3	156.3	156.7	157.7	159.0	160.9	162.3
56°	156.4	154.5	152.8	151.3	153.7	153.7	154.2	155.1	156.5	158.2	159.9
56.5°	153.9	152.0	150.1	148.7	151.3	151.3	151.7	152.7	154.2	155.9	157.5
57°	151.4	149.5	147.7	146.3	148.8	148.7	149.2	150.1	151.6	153.3	154.8
57.5°	148.9	147.0	145.0	143.7	146.1	146.4	146.7	147.6	149.2	150.9	152.4
58°	146.3	144.5	142.6	141.1	143.6	143.7	144.2	145.1	146.4	148.3	149.9
58.5°	143.8	141.8	139.9	138.6	141.1	141.1	141.6	142.6	144.0	145.9	147.4
59°	141.2	139.3	137.4	135.9	138.5	138.6	139.0	139.9	141.5	143.2	144.9
59.5°	138.6	136.7	134.9	133.5	135.9	136.0	136.4	137.4	138.9	140.8	142.2
60°	136.0	134.1	132.2	130.8	133.3	133.3	134.0	134.9	136.3	138.1	139.8
60.5°	133.5	131.5	129.6	128.3	130.8	130.8	131.4	132.4	133.8	135.5	137.1
61°	130.8	128.9	126.9	125.6	128.1	128.2	128.7	129.7	131.2	133.0	134.6
61.5°	128.2	126.3	124.4	123.0	125.5	125.7	126.2	127.2	128.6	130.5	132.0
62°	125.7	123.7	121.7	120.4	122.8	123.0	123.5	124.6	126.0	127.8	129.4
62.5°	122.9	121.0	119.0	117.7	120.3	120.3	120.9	121.9	123.4	125.2	126.8
63°	120.4	118.3	116.5	115.1	117.6	117.7	118.2	119.2	120.9	122.5	124.2
63.5°	117.5	115.6	113.7	112.4	114.9	115.0	115.6	116.6	118.1	119.9	121.6
64°	114.9	113.0	111.2	109.8	112.2	112.4	113.0	114.0	115.6	117.4	119.0
64.5°	112.2	110.2	108.4	107.1	109.6	109.8	110.2	111.3	112.9	114.7	116.3
65°	109.6	107.7	105.9	104.4	107.0	107.1	107.7	108.7	110.3	112.1	113.7
65.5°	106.8	104.9	103.1	101.7	104.2	104.3	105.0	106.0	107.5	109.3	111.0
66°	104.2	102.1	100.4	99.0	101.5	101.7	102.2	103.4	104.9	106.7	108.4



TEST NUMBER: P938621
 CATALOG NUMBER: SMX4RLSFS2W-800LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	96.0	94.0	92.2	90.9	93.5	93.7	94.3	95.3	96.8	98.7	100.3
68°	93.3	91.3	89.6	88.2	90.9	90.9	91.5	92.7	94.2	96.0	97.7
68.5°	90.6	88.6	86.9	85.6	88.0	88.2	88.9	90.0	91.5	93.3	94.9
69°	87.9	85.9	84.1	82.8	85.3	85.6	86.2	87.2	88.7	90.6	92.2
69.5°	85.1	83.1	81.4	80.1	82.6	82.8	83.4	84.6	86.0	87.8	89.4
70°	82.4	80.4	78.6	77.4	79.9	80.0	80.7	81.9	83.4	85.1	86.9
70.5°	79.7	77.7	75.9	74.7	77.2	77.4	78.1	79.2	80.7	82.5	84.1
71°	76.9	75.0	73.2	72.0	74.4	74.7	75.4	76.5	78.0	79.8	81.4
71.5°	74.2	72.2	70.6	69.3	71.8	72.0	72.7	73.8	75.3	77.1	78.7
72°	71.4	69.6	67.8	66.6	69.1	69.3	70.0	71.2	72.6	74.4	75.9
72.5°	68.8	66.8	65.1	63.8	66.5	66.6	67.3	68.5	69.9	71.6	73.3
73°	66.0	64.1	62.4	61.3	63.8	64.0	64.6	65.8	67.2	69.0	70.6
73.5°	63.3	61.3	59.7	58.5	61.1	61.3	61.9	63.1	64.5	66.3	67.9
74°	60.5	58.8	57.0	55.9	58.5	58.7	59.2	60.4	61.9	63.7	65.3
74.5°	57.9	56.0	54.4	53.3	55.8	56.0	56.6	57.8	59.2	61.0	62.6
75°	55.2	53.5	51.8	50.7	53.1	53.4	54.0	55.1	56.5	58.4	59.9
75.5°	52.6	50.7	49.1	48.0	50.4	50.7	51.4	52.6	53.9	55.7	57.2
76°	49.9	48.2	46.4	45.4	47.9	48.1	48.8	49.9	51.3	53.0	54.6
76.5°	47.2	45.5	43.8	42.8	45.2	45.5	46.1	47.2	48.7	50.4	51.9
77°	44.7	42.9	41.3	40.3	42.6	42.9	43.6	44.7	46.1	47.9	49.3
77.5°	42.1	40.4	38.8	37.8	40.1	40.4	41.1	42.2	43.5	45.2	46.8
78°	39.6	37.9	36.3	35.3	37.6	37.9	38.5	39.6	41.0	42.6	44.1
78.5°	37.0	35.4	33.9	32.9	35.1	35.4	36.0	37.1	38.5	40.1	41.6
79°	34.5	32.9	31.4	30.4	32.7	32.9	33.5	34.7	36.0	37.6	39.0
79.5°	32.1	30.5	29.0	28.1	30.3	30.5	31.3	32.3	33.5	35.1	36.6
80°	29.7	28.1	26.6	25.9	27.9	28.1	28.8	29.9	31.2	32.7	34.1
80.5°	27.4	25.9	24.5	23.7	25.6	25.8	26.5	27.6	28.8	30.4	31.7
81°	25.2	23.8	22.3	21.6	23.3	23.6	24.2	25.2	26.5	28.0	29.3
81.5°	23.1	21.6	20.3	19.4	21.1	21.4	22.0	23.0	24.2	25.7	27.0
82°	20.9	19.5	18.2	17.2	19.0	19.2	19.8	20.8	22.0	23.4	24.6
82.5°	18.7	17.3	16.1	15.3	17.0	17.2	17.8	18.8	19.9	21.3	22.4
83°	16.6	15.3	14.1	13.3	15.0	15.2	15.7	16.7	17.8	19.1	20.3
83.5°	14.6	13.4	12.3	11.5	13.1	13.3	13.9	14.8	15.8	17.1	18.2
84°	12.9	11.6	10.5	9.8	11.3	11.5	12.0	12.9	13.9	15.1	16.2
84.5°	11.1	9.9	8.9	8.3	9.6	9.8	10.4	11.2	12.1	13.3	14.2
85°	9.4	8.3	7.4	6.8	8.3	8.5	9.0	9.5	10.4	11.4	12.4
85.5°	7.9	6.9	6.1	5.5	7.0	7.2	7.6	8.3	9.1	9.8	10.7
86°	6.5	5.6	4.8	4.3	5.7	5.9	6.3	7.0	7.9	8.5	9.1
86.5°	5.2	4.4	3.7	3.3	4.4	4.5	4.9	5.7	6.6	7.2	7.9
87°	4.2	3.4	2.8	2.4	3.1	3.3	3.6	4.4	5.3	5.9	6.7
87.5°	3.2	2.6	2.3	1.7	2.3	2.3	2.7	3.1	4.0	4.6	5.4
88°	2.7	2.1	1.8	1.2	1.6	1.7	2.0	2.3	2.8	3.3	4.2
88.5°	2.3	1.7	1.3	1.1	1.1	1.2	1.4	1.7	2.0	2.5	3.0



TEST NUMBER: P938621
CATALOG NUMBER: SMX4RLSFS2W-800LM-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: P938621

CATALOG NUMBER: SMX4RLSFSD2W-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	318.3	318.3	318.3	318.3	318.3	318.3
0.5°	317.6	318.8	318.8	318.3	317.9	318.0
1°	317.9	319.0	318.8	318.3	318.4	317.9
1.5°	317.6	318.9	318.6	318.0	317.8	317.8
2°	317.6	318.6	318.6	318.3	318.3	317.8
2.5°	317.7	318.6	318.7	318.0	317.6	317.7
3°	317.4	318.6	318.3	317.9	317.9	317.4
3.5°	317.2	318.4	318.4	317.6	317.3	317.3
4°	317.2	318.2	317.8	317.5	317.6	317.1
4.5°	317.0	318.1	317.8	317.1	316.8	317.0
5°	316.7	317.6	317.4	317.0	316.9	316.5
5.5°	316.4	317.6	317.3	316.7	316.2	316.1
6°	316.4	317.1	316.7	316.4	316.3	315.8
6.5°	315.8	316.7	316.6	316.0	315.6	315.5
7°	315.7	316.4	315.8	315.7	315.3	315.2
7.5°	314.8	315.9	315.8	315.4	314.8	314.7
8°	314.8	315.5	315.4	314.8	314.5	314.1
8.5°	314.2	315.1	314.8	314.5	313.8	313.6
9°	314.2	314.5	314.2	313.8	313.6	313.3
9.5°	313.0	314.2	314.0	313.5	312.9	312.7
10°	313.0	313.4	313.0	312.7	312.5	312.0
10.5°	312.0	312.9	312.8	312.3	311.7	311.4
11°	311.7	312.1	311.9	311.5	311.2	310.6
11.5°	311.1	311.6	311.4	311.0	310.3	310.0
12°	310.6	310.8	310.6	310.0	310.0	309.2
12.5°	309.7	310.2	310.0	309.7	308.9	308.6
13°	309.2	309.4	309.2	308.7	308.4	307.9
13.5°	308.1	308.8	308.3	308.1	307.4	307.0
14°	307.6	307.7	307.6	307.1	307.0	306.1
14.5°	306.7	307.1	306.9	306.4	305.8	305.5
15°	305.9	306.2	306.0	305.5	305.1	304.4
15.5°	304.7	305.4	305.4	304.5	304.0	303.5
16°	304.5	304.4	304.1	303.7	303.2	302.6
16.5°	303.0	303.6	303.5	302.7	302.2	301.5
17°	302.4	302.5	302.2	301.9	301.3	300.7
17.5°	301.1	301.5	301.6	300.7	300.2	299.5
18°	300.4	300.5	300.2	299.9	299.3	298.8
18.5°	299.2	299.6	299.6	298.7	298.0	297.4
19°	298.3	298.3	298.2	297.7	297.3	296.5
19.5°	296.9	297.4	297.4	296.5	295.8	295.2
20°	296.1	296.1	296.0	295.6	294.9	294.3
20.5°	294.9	295.1	295.2	294.3	293.5	293.0
21°	293.9	293.7	293.6	293.3	292.7	292.0

TEST NUMBER: P938621

CATALOG NUMBER: SMX4RLSFS2W-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	290.2	290.3	290.1	289.5	288.6	288.0
23°	288.8	288.7	288.6	288.3	287.8	286.8
23.5°	287.6	287.7	287.4	286.8	286.0	285.1
24°	286.4	286.1	286.1	285.6	284.9	284.3
24.5°	284.8	284.9	284.8	284.3	283.2	282.4
25°	283.6	283.4	283.3	282.9	282.3	281.4
25.5°	282.2	282.0	282.1	281.4	280.4	279.7
26°	280.8	280.6	280.5	280.0	279.2	278.7
26.5°	279.4	279.3	279.1	278.6	277.6	276.8
27°	277.9	277.6	277.6	277.1	276.3	275.6
27.5°	276.5	276.2	276.3	275.5	274.4	273.9
28°	274.9	274.6	274.7	274.0	273.5	272.4
28.5°	273.4	273.1	273.1	272.4	271.5	270.8
29°	272.0	271.5	271.4	271.0	270.3	269.4
29.5°	270.2	270.0	270.0	269.3	268.4	267.5
30°	268.8	268.3	268.4	267.8	267.0	266.1
30.5°	267.0	266.7	266.8	266.0	265.1	264.3
31°	265.6	265.1	265.0	264.6	263.7	262.8
31.5°	263.8	263.4	263.4	262.6	261.8	261.0
32°	262.1	261.6	261.5	261.2	260.4	259.3
32.5°	260.5	260.0	260.1	259.4	258.4	257.5
33°	258.8	258.1	258.3	257.9	256.9	255.7
33.5°	257.0	256.5	256.5	255.8	255.0	254.0
34°	255.3	254.8	254.6	254.3	253.3	252.3
34.5°	253.5	252.9	253.1	252.2	251.3	250.4
35°	251.7	251.0	251.0	250.7	249.8	248.5
35.5°	249.7	249.2	249.4	248.7	247.5	246.8
36°	248.1	247.5	247.3	246.9	246.0	244.8
36.5°	246.1	245.4	245.6	244.9	243.9	243.0
37°	244.5	243.6	243.5	243.2	242.2	241.0
37.5°	242.4	241.7	241.9	241.1	240.1	239.1
38°	240.5	239.7	239.9	239.3	238.2	237.1
38.5°	238.6	237.8	237.8	237.2	236.2	235.4
39°	236.9	235.8	235.9	235.3	234.5	233.2
39.5°	234.7	233.8	233.9	233.3	232.1	231.4
40°	232.6	231.7	231.9	231.4	230.3	229.1
40.5°	230.8	229.8	229.8	229.4	228.1	227.2
41°	228.7	227.8	227.8	227.2	226.3	225.1
41.5°	226.7	225.6	225.8	225.2	224.2	223.1
42°	224.7	223.7	223.7	223.2	222.2	221.0
42.5°	222.6	221.5	221.6	221.0	219.9	218.9
43°	220.5	219.4	219.6	218.9	217.9	216.8
43.5°	218.4	217.3	217.3	216.9	215.8	214.7

TEST NUMBER: P938621

CATALOG NUMBER: SMX4RLSFS2W-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	212.1	210.7	210.9	210.4	209.4	208.2
45.5°	209.7	208.8	208.7	208.1	207.1	205.8
46°	207.7	206.5	206.6	206.1	205.1	203.8
46.5°	205.3	204.3	204.4	203.7	202.6	201.4
47°	203.3	202.0	202.1	201.3	200.4	199.2
47.5°	201.0	199.9	199.9	199.3	198.2	196.9
48°	198.8	197.5	197.5	197.1	196.1	194.7
48.5°	196.5	195.3	195.4	194.7	193.7	192.3
49°	194.2	193.1	192.9	192.5	191.4	190.1
49.5°	192.0	190.7	190.8	190.1	189.0	187.7
50°	189.7	188.2	188.3	187.9	186.7	185.4
50.5°	187.3	186.0	186.2	185.4	184.4	183.1
51°	185.1	183.7	183.6	183.2	182.0	180.7
51.5°	182.6	181.2	181.4	180.8	179.6	178.3
52°	180.4	178.9	179.0	178.6	177.5	175.9
52.5°	177.9	176.5	176.7	175.9	174.9	173.6
53°	175.4	174.2	174.2	173.8	172.5	171.1
53.5°	173.2	171.7	171.8	171.1	170.1	168.8
54°	170.8	169.2	169.3	168.8	167.6	166.3
54.5°	168.2	166.8	166.9	166.3	165.1	163.8
55°	166.0	164.5	164.5	164.0	162.8	161.4
55.5°	163.3	161.9	161.9	161.4	160.1	158.9
56°	161.1	159.5	159.5	159.0	157.8	156.4
56.5°	158.5	156.9	157.0	156.4	155.4	153.9
57°	156.1	154.5	154.5	154.0	152.8	151.4
57.5°	153.5	152.0	151.9	151.3	150.2	148.9
58°	151.1	149.5	149.5	148.9	147.7	146.3
58.5°	148.5	147.0	146.8	146.3	145.2	143.8
59°	146.0	144.3	144.5	143.8	142.5	141.2
59.5°	143.4	141.8	141.7	141.1	140.1	138.6
60°	140.9	139.3	139.3	138.6	137.5	136.0
60.5°	138.3	136.7	136.6	136.0	134.9	133.5
61°	135.8	134.0	134.0	133.4	132.3	130.8
61.5°	133.1	131.5	131.5	130.8	129.6	128.2
62°	130.6	128.9	128.9	128.3	127.1	125.7
62.5°	127.8	126.2	126.2	125.5	124.4	122.9
63°	125.4	123.6	123.5	123.0	121.8	120.4
63.5°	122.7	120.9	120.9	120.2	119.1	117.5
64°	120.1	118.4	118.2	117.7	116.5	114.9
64.5°	117.5	115.6	115.6	114.9	113.7	112.2
65°	114.8	113.1	112.9	112.3	111.1	109.6
65.5°	112.1	110.2	110.2	109.6	108.4	106.8
66°	109.4	107.6	107.4	107.0	105.7	104.2



TEST NUMBER: P938621
 CATALOG NUMBER: SMX4RLSFS2W-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	101.3	99.5	99.4	98.8	97.5	96.0
68°	98.7	96.8	96.6	96.1	94.8	93.3
68.5°	96.0	94.1	94.0	93.4	92.2	90.6
69°	93.3	91.4	91.1	90.6	89.4	87.9
69.5°	90.5	88.6	88.5	87.8	86.6	85.1
70°	87.8	85.9	85.7	85.2	83.9	82.4
70.5°	85.3	83.1	83.0	82.4	81.2	79.7
71°	82.5	80.4	80.3	79.7	78.4	76.9
71.5°	79.7	77.8	77.5	76.9	75.7	74.2
72°	77.1	75.0	74.8	74.2	73.0	71.4
72.5°	74.4	72.2	72.2	71.5	70.3	68.8
73°	71.6	69.6	69.4	68.8	67.5	66.0
73.5°	68.9	66.9	66.6	66.0	64.8	63.3
74°	66.3	64.1	63.9	63.3	62.0	60.5
74.5°	63.5	61.5	61.3	60.6	59.4	57.9
75°	60.9	58.8	58.5	57.9	56.7	55.2
75.5°	58.2	56.0	55.9	55.3	54.1	52.6
76°	55.5	53.5	53.2	52.6	51.3	49.9
76.5°	52.9	50.7	50.5	49.9	48.7	47.2
77°	50.3	48.2	47.9	47.2	46.1	44.7
77.5°	47.6	45.5	45.4	44.8	43.5	42.1
78°	45.0	42.9	42.7	42.2	41.0	39.6
78.5°	42.4	40.4	40.1	39.5	38.4	37.0
79°	39.9	37.9	37.6	37.1	35.9	34.5
79.5°	37.4	35.4	35.1	34.5	33.5	32.1
80°	34.9	32.9	32.7	32.2	31.0	29.7
80.5°	32.5	30.4	30.3	29.8	28.7	27.4
81°	30.1	28.2	27.9	27.4	26.4	25.2
81.5°	27.7	26.0	25.7	25.2	24.2	23.1
82°	25.4	23.9	23.6	23.1	22.0	20.9
82.5°	23.2	21.7	21.4	20.9	19.8	18.7
83°	21.0	19.5	19.2	18.8	17.6	16.6
83.5°	18.9	17.3	17.1	16.6	15.7	14.6
84°	16.9	15.4	15.1	14.7	13.8	12.9
84.5°	14.9	13.4	13.3	12.8	12.0	11.1
85°	13.0	11.6	11.4	11.1	10.3	9.4
85.5°	11.3	9.9	9.8	9.4	8.7	7.9
86°	9.6	8.4	8.3	7.9	7.3	6.5
86.5°	8.3	6.9	6.7	6.5	5.9	5.2
87°	7.0	5.6	5.5	5.2	4.7	4.2
87.5°	5.8	4.4	4.4	4.2	3.7	3.2
88°	4.5	3.4	3.3	3.2	2.8	2.7
88.5°	3.3	2.6	2.5	2.8	2.4	2.3



TEST NUMBER: P938621
CATALOG NUMBER: SMX4RLSFSD2W-800LM-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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Peachtree City, GA 30269

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

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21.5°	290.4	289.6	288.6	287.5	289.9	289.6	289.3	289.8	290.5	291.4	291.9
22°	289.4	288.4	287.0	286.3	288.3	288.3	288.0	288.6	289.0	289.9	290.9



44°	212.5	210.8	209.0	207.6	210.2	210.2	210.4	211.0	212.2	213.8	215.2
44.5°	210.2	208.7	206.9	205.7	208.0	208.0	208.0	208.8	210.1	211.6	213.1



66.5°	101.4	99.4	97.5	96.4	98.9	99.0	99.6	100.7	102.2	104.0	105.6
67°	98.8	96.8	94.9	93.7	96.2	96.3	96.9	98.1	99.5	101.2	103.1



89°	1.8	1.3	0.8	0.8	0.8	0.8	1.1	1.3	1.5	1.9	2.2
89.5°	1.4	0.9	0.7	0.7	0.6	0.7	0.8	1.0	1.2	1.4	1.7

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Scaled Data Report





21.5°	292.4	292.6	292.5	291.8	291.2	290.4
22°	291.5	291.3	291.2	290.8	290.1	289.4



44°	216.3	215.0	215.3	214.6	213.8	212.5
44.5°	214.1	213.1	213.1	212.5	211.3	210.2



66.5°	106.8	104.9	104.9	104.1	103.1	101.4
67°	104.0	102.2	102.0	101.5	100.3	98.8



89°	2.4	2.2	2.1	2.3	2.0	1.8
89.5°	1.8	1.7	1.7	1.9	1.5	1.4

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Scaled Data Report



(END OF REPORT)