

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: P938628

Luminaire Tested: SMX6RLSFSD2W-1200LM-3500K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2405958-01A001)
Test Lab:
Issue Date: 1/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SMX6RLSFSD2W-1200LM-3500K
Description: 6IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3500K CCT
Ballast/Driver: -

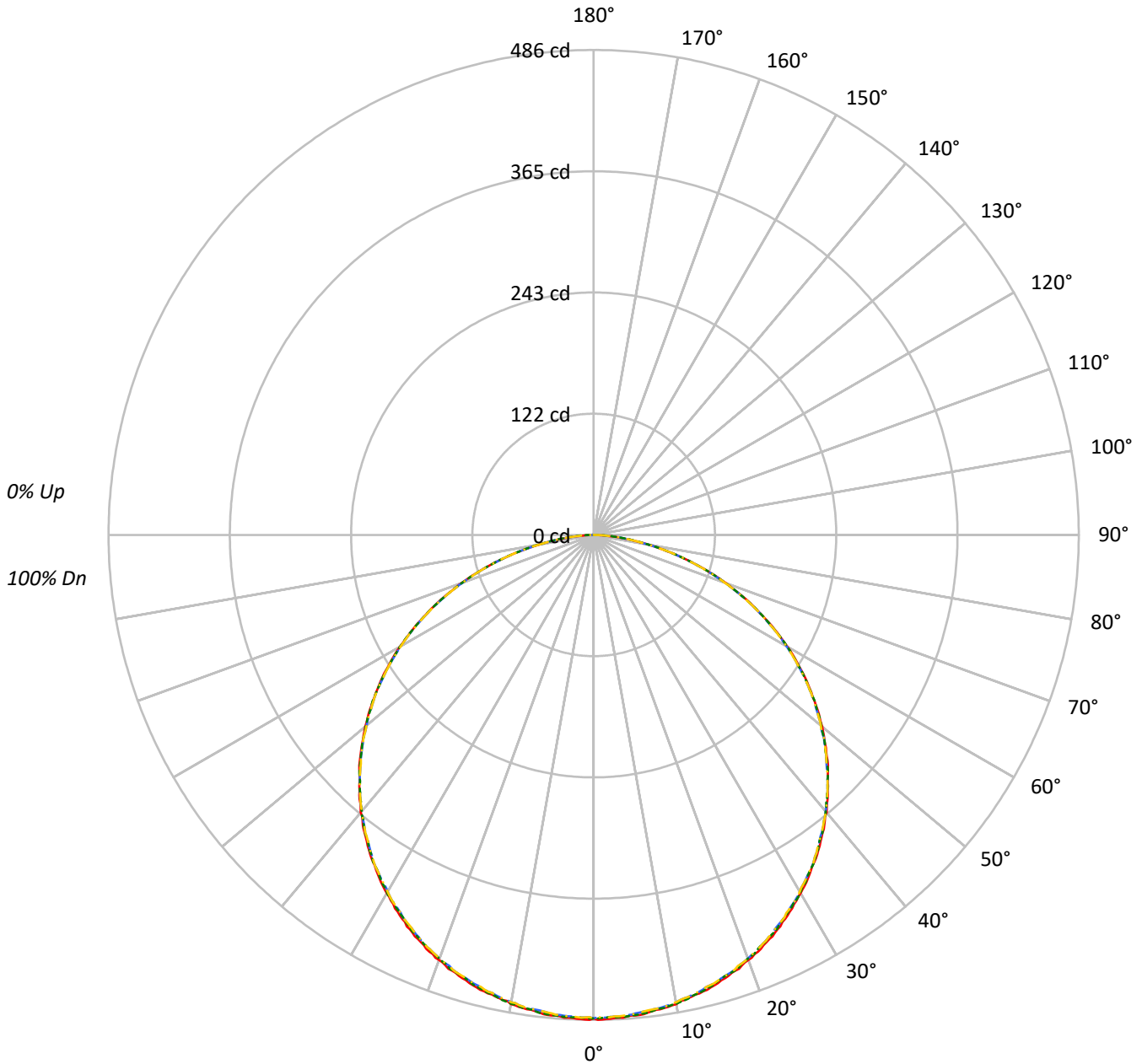
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1420.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P938628
CATALOG NUMBER: SMX6RLSFS2W-1200LM-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFS2W-1200LM-3500K

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	95	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	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	40	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°	26566	26566	26566	26566
5°	26601	26579	26601	26579
10°	26580	26553	26580	26553
15°	26515	26487	26515	26487
20°	26445	26363	26445	26363
25°	26379	26324	26379	26324
30°	26245	26207	26245	26207
35°	26147	26046	26147	26046
40°	25984	25884	25984	25884
45°	25731	25724	25731	25724
50°	25483	25406	25483	25406
55°	25108	25041	25108	25041
60°	24592	24559	24592	24559
65°	23725	23725	23725	23725
70°	22568	22472	22568	22472
75°	20609	20630	20609	20630
80°	17616	17774	17616	17774
85°	12957	14341	12957	14341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 89.5°
 Luminance: 37692 cd/sqm



TEST NUMBER: P938628
 CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	3.2
10°-20°	131.6	9.3
20°-30°	200.4	14.1
30°-40°	243.6	17.2
40°-50°	255.3	18.0
50°-60°	233.9	16.5
60°-70°	180.4	12.7
70°-80°	102.7	7.2
80°-90°	26.3	1.9
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°	377.8	26.6
0°-40°	621.4	43.8
0°-60°	1110.6	78.2
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	483	483	483	483	483	46
15°	467	467	467	467	467	132
25°	436	435	436	435	436	201
35°	391	389	391	389	391	244
45°	332	332	332	332	332	256
55°	263	262	263	262	263	235
65°	183	183	183	183	183	181
75°	97	97	97	97	97	103
85°	21	23	21	23	21	25
90°	0	0	0	0	0	



TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	484.6	484.6	484.6	484.6	484.6	484.6	484.6	484.6	484.6	484.6	484.6
0.5°	486.0	484.3	483.4	484.7	484.6	484.7	483.4	484.3	486.0	484.3	483.4
1°	485.9	484.1	483.5	484.2	484.2	484.2	483.5	484.1	485.9	484.1	483.5
1.5°	485.3	484.2	484.0	484.5	484.0	484.5	484.0	484.2	485.3	484.2	484.0
2°	485.2	484.4	483.5	484.4	483.4	484.4	483.5	484.4	485.2	484.4	483.5
2.5°	484.4	483.8	483.0	484.6	484.0	484.6	483.0	483.8	484.4	483.8	483.0
3°	484.4	483.7	483.2	484.1	484.0	484.1	483.2	483.7	484.4	483.7	483.2
3.5°	484.7	483.4	482.8	483.5	483.8	483.5	482.8	483.4	484.7	483.4	482.8
4°	483.5	483.3	482.4	483.1	483.5	483.1	482.4	483.3	483.5	483.3	482.4
4.5°	483.1	482.6	482.2	482.8	483.0	482.8	482.2	482.6	483.1	482.6	482.2
5°	483.4	482.2	481.2	482.5	483.0	482.5	481.2	482.2	483.4	482.2	481.2
5.5°	483.3	481.7	480.8	482.2	482.8	482.2	480.8	481.7	483.3	481.7	480.8
6°	483.0	481.2	480.3	481.6	482.1	481.6	480.3	481.2	483.0	481.2	480.3
6.5°	481.7	480.9	479.7	480.6	481.9	480.6	479.7	480.9	481.7	480.9	479.7
7°	481.0	480.8	479.3	480.2	480.9	480.2	479.3	480.8	481.0	480.8	479.3
7.5°	480.1	480.2	479.0	479.5	479.7	479.5	479.0	480.2	480.1	480.2	479.0
8°	480.0	479.4	478.7	478.7	479.4	478.7	478.7	479.4	480.0	479.4	478.7
8.5°	479.3	478.6	478.0	478.3	479.3	478.3	478.0	478.6	479.3	478.6	478.0
9°	478.8	478.0	477.3	477.4	478.3	477.4	477.3	478.0	478.8	478.0	477.3
9.5°	478.0	477.2	475.8	476.8	477.5	476.8	475.8	477.2	478.0	477.2	475.8
10°	477.5	476.6	475.5	476.5	477.0	476.5	475.5	476.6	477.5	476.6	475.5
10.5°	475.1	475.5	474.1	475.3	476.0	475.3	474.1	475.5	475.1	475.5	474.1
11°	474.9	474.4	473.4	474.6	475.2	474.6	473.4	474.4	474.9	474.4	473.4
11.5°	473.8	474.2	472.7	473.5	474.4	473.5	472.7	474.2	473.8	474.2	472.7
12°	473.0	473.0	471.8	472.9	472.4	472.9	471.8	473.0	473.0	473.0	471.8
12.5°	471.7	472.2	470.2	471.3	471.6	471.3	470.2	472.2	471.7	472.2	470.2
13°	471.5	471.0	469.8	470.7	470.9	470.7	469.8	471.0	471.5	471.0	469.8
13.5°	470.4	470.4	468.7	469.9	470.0	469.9	468.7	470.4	470.4	470.4	468.7
14°	470.0	468.3	466.8	468.3	468.6	468.3	466.8	468.3	470.0	468.3	466.8
14.5°	468.3	467.7	466.1	467.5	467.6	467.5	466.1	467.7	468.3	467.7	466.1
15°	467.2	465.8	465.3	466.8	466.7	466.8	465.3	465.8	467.2	465.8	465.3
15.5°	466.1	464.5	464.0	465.4	464.5	465.4	464.0	464.5	466.1	464.5	464.0
16°	464.2	463.1	462.5	463.9	463.0	463.9	462.5	463.1	464.2	463.1	462.5
16.5°	463.5	462.0	461.5	462.3	461.5	462.3	461.5	462.0	463.5	462.0	461.5
17°	462.1	460.8	460.4	460.6	460.7	460.6	460.4	460.8	462.1	460.8	460.4
17.5°	460.1	459.5	459.3	459.6	459.6	459.6	459.3	459.5	460.1	459.5	459.3
18°	459.2	458.4	457.8	458.2	459.0	458.2	457.8	458.4	459.2	458.4	457.8
18.5°	458.6	456.5	455.5	456.6	457.4	456.6	455.5	456.5	458.6	456.5	455.5
19°	456.3	455.7	454.5	455.4	454.9	455.4	454.5	455.7	456.3	455.7	454.5
19.5°	454.3	453.7	453.2	454.2	453.6	454.2	453.2	453.7	454.3	453.7	453.2
20°	453.3	452.0	451.8	452.2	451.9	452.2	451.8	452.0	453.3	452.0	451.8
20.5°	452.5	450.2	450.0	450.5	450.4	450.5	450.0	450.2	452.5	450.2	450.0
21°	449.9	448.6	448.4	449.0	449.6	449.0	448.4	448.6	449.9	448.6	448.4



TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	445.0	444.3	443.3	444.6	444.2	444.6	443.3	444.3	445.0	444.3	443.3
23°	443.4	441.9	441.9	442.4	441.8	442.4	441.9	441.9	443.4	441.9	441.9
23.5°	441.6	440.5	439.5	440.5	440.3	440.5	439.5	440.5	441.6	440.5	439.5
24°	440.4	438.8	438.0	438.6	438.4	438.6	438.0	438.8	440.4	438.8	438.0
24.5°	438.0	437.4	435.6	436.5	437.2	436.5	435.6	437.4	438.0	437.4	435.6
25°	436.1	434.9	433.7	434.2	435.2	434.2	433.7	434.9	436.1	434.9	433.7
25.5°	434.7	433.3	431.9	432.5	432.6	432.5	431.9	433.3	434.7	433.3	431.9
26°	431.5	430.9	430.0	430.5	430.6	430.5	430.0	430.9	431.5	430.9	430.0
26.5°	429.9	429.3	428.5	428.4	428.2	428.4	428.5	429.3	429.9	429.3	428.5
27°	428.0	426.6	425.3	426.3	426.4	426.3	425.3	426.6	428.0	426.6	425.3
27.5°	425.5	424.0	423.6	424.9	424.3	424.9	423.6	424.0	425.5	424.0	423.6
28°	423.9	422.7	421.5	423.1	422.5	423.1	421.5	422.7	423.9	422.7	421.5
28.5°	420.9	420.8	419.9	420.1	419.8	420.1	419.9	420.8	420.9	420.8	419.9
29°	419.1	418.8	417.7	418.3	418.5	418.3	417.7	418.8	419.1	418.8	417.7
29.5°	416.3	416.2	415.4	416.4	416.6	416.4	415.4	416.2	416.3	416.2	415.4
30°	414.6	414.5	412.7	414.2	414.0	414.2	412.7	414.5	414.6	414.5	412.7
30.5°	412.4	411.8	410.1	412.1	411.1	412.1	410.1	411.8	412.4	411.8	410.1
31°	410.1	409.4	408.0	409.2	409.3	409.2	408.0	409.4	410.1	409.4	408.0
31.5°	408.0	406.9	405.8	407.1	407.2	407.1	405.8	406.9	408.0	406.9	405.8
32°	405.3	404.4	403.6	404.2	404.1	404.2	403.6	404.4	405.3	404.4	403.6
32.5°	402.8	402.4	401.3	401.8	401.6	401.8	401.3	402.4	402.8	402.4	401.3
33°	400.2	400.0	399.2	399.4	399.1	399.4	399.2	400.0	400.2	400.0	399.2
33.5°	397.3	397.3	397.2	396.8	397.4	396.8	397.2	397.3	397.3	397.3	397.2
34°	395.4	394.5	394.4	394.5	395.2	394.5	394.4	394.5	395.4	394.5	394.4
34.5°	393.3	391.8	391.4	392.3	392.1	392.3	391.4	391.8	393.3	391.8	391.4
35°	390.7	389.0	389.0	389.5	389.2	389.5	389.0	389.0	390.7	389.0	389.0
35.5°	387.8	386.4	386.0	386.4	387.4	386.4	386.0	386.4	387.8	386.4	386.0
36°	385.2	384.3	383.5	383.6	383.7	383.6	383.5	384.3	385.2	384.3	383.5
36.5°	382.1	381.1	380.6	381.4	380.6	381.4	380.6	381.1	382.1	381.1	380.6
37°	379.3	378.5	377.9	378.6	378.4	378.6	377.9	378.5	379.3	378.5	377.9
37.5°	376.7	375.9	375.8	375.3	376.4	375.3	375.8	375.9	376.7	375.9	375.8
38°	374.5	372.9	372.8	372.6	373.3	372.6	372.8	372.9	374.5	372.9	372.8
38.5°	371.4	370.8	369.9	370.4	370.4	370.4	369.9	370.8	371.4	370.8	369.9
39°	368.1	367.7	367.2	367.4	366.8	367.4	367.2	367.7	368.1	367.7	367.2
39.5°	364.7	364.9	364.4	364.4	364.9	364.4	364.4	364.9	364.7	364.9	364.4
40°	363.1	361.8	361.5	361.6	361.7	361.6	361.5	361.8	363.1	361.8	361.5
40.5°	359.4	358.7	358.7	358.3	358.7	358.3	358.7	358.7	359.4	358.7	358.7
41°	356.4	355.9	355.8	355.6	355.1	355.6	355.8	355.9	356.4	355.9	355.8
41.5°	353.8	352.9	352.8	352.5	353.0	352.5	352.8	352.9	353.8	352.9	352.8
42°	350.8	350.0	349.9	349.4	349.4	349.4	349.9	350.0	350.8	350.0	349.9
42.5°	347.3	346.7	346.8	346.6	346.7	346.6	346.8	346.7	347.3	346.7	346.8
43°	344.2	343.3	343.5	343.6	343.5	343.6	343.5	343.3	344.2	343.3	343.5
43.5°	340.7	339.9	340.3	340.6	340.1	340.6	340.3	339.9	340.7	339.9	340.3



TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	331.9	331.3	330.4	330.8	331.8	330.8	330.4	331.3	331.9	331.3	330.4
45.5°	329.2	327.9	327.1	327.9	328.1	327.9	327.1	327.9	329.2	327.9	327.1
46°	325.6	324.8	324.0	324.6	324.8	324.6	324.0	324.8	325.6	324.8	324.0
46.5°	322.1	321.6	321.2	321.6	321.3	321.6	321.2	321.6	322.1	321.6	321.2
47°	318.7	318.0	317.9	318.0	317.6	318.0	317.9	318.0	318.7	318.0	317.9
47.5°	315.5	314.8	314.4	314.4	314.7	314.4	314.4	314.8	315.5	314.8	314.4
48°	311.8	311.7	310.9	311.7	311.8	311.7	310.9	311.7	311.8	311.7	310.9
48.5°	308.6	308.4	308.0	308.2	308.2	308.2	308.0	308.4	308.6	308.4	308.0
49°	305.5	304.8	303.9	304.8	304.4	304.8	303.9	304.8	305.5	304.8	303.9
49.5°	302.2	301.4	300.1	301.5	300.8	301.5	300.1	301.4	302.2	301.4	300.1
50°	298.8	298.0	297.0	298.0	297.9	298.0	297.0	298.0	298.8	298.0	297.0
50.5°	295.0	294.5	293.8	294.2	294.4	294.2	293.8	294.5	295.0	294.5	293.8
51°	291.4	290.9	290.2	290.7	291.3	290.7	290.2	290.9	291.4	290.9	290.2
51.5°	288.3	287.2	286.6	287.1	287.4	287.1	286.6	287.2	288.3	287.2	286.6
52°	284.5	283.5	283.0	283.5	283.7	283.5	283.0	283.5	284.5	283.5	283.0
52.5°	280.8	280.1	279.7	280.2	280.8	280.2	279.7	280.1	280.8	280.1	279.7
53°	277.0	276.4	276.1	276.6	277.4	276.6	276.1	276.4	277.0	276.4	276.1
53.5°	273.1	272.7	272.8	273.0	273.5	273.0	272.8	272.7	273.1	272.7	272.8
54°	269.9	269.1	269.3	269.3	269.6	269.3	269.3	269.1	269.9	269.1	269.3
54.5°	266.3	265.5	265.4	265.5	265.7	265.5	265.4	265.5	266.3	265.5	265.4
55°	262.7	262.0	261.5	261.6	262.0	261.6	261.5	262.0	262.7	262.0	261.5
55.5°	259.0	258.0	257.8	257.7	258.4	257.7	257.8	258.0	259.0	258.0	257.8
56°	255.1	254.3	253.9	254.0	254.7	254.0	253.9	254.3	255.1	254.3	253.9
56.5°	251.6	250.6	250.1	250.2	251.1	250.2	250.1	250.6	251.6	250.6	250.1
57°	247.4	246.6	246.4	246.7	246.7	246.7	246.4	246.6	247.4	246.6	246.4
57.5°	243.6	242.6	242.4	243.0	242.9	243.0	242.4	242.6	243.6	242.6	242.4
58°	239.9	239.1	238.6	239.4	239.3	239.4	238.6	239.1	239.9	239.1	238.6
58.5°	236.2	235.2	234.9	235.6	235.6	235.6	234.9	235.2	236.2	235.2	234.9
59°	232.3	231.4	231.0	231.6	231.5	231.6	231.0	231.4	232.3	231.4	231.0
59.5°	228.3	227.4	227.1	227.5	227.9	227.5	227.1	227.4	228.3	227.4	227.1
60°	224.3	223.5	223.0	223.4	224.0	223.4	223.0	223.5	224.3	223.5	223.0
60.5°	219.8	219.6	219.0	219.3	220.2	219.3	219.0	219.6	219.8	219.6	219.0
61°	215.9	215.6	215.1	215.1	216.3	215.1	215.1	215.6	215.9	215.6	215.1
61.5°	211.9	211.4	211.1	211.2	212.0	211.2	211.1	211.4	211.9	211.4	211.1
62°	208.0	207.6	207.0	207.1	207.8	207.1	207.0	207.6	208.0	207.6	207.0
62.5°	203.8	203.3	202.9	203.1	203.3	203.1	202.9	203.3	203.8	203.3	202.9
63°	199.9	199.3	198.8	199.4	199.2	199.4	198.8	199.3	199.9	199.3	198.8
63.5°	195.6	195.0	194.6	195.2	195.2	195.2	194.6	195.0	195.6	195.0	194.6
64°	190.9	191.1	190.7	191.2	191.2	191.2	190.7	191.1	190.9	191.1	190.7
64.5°	186.7	186.7	186.4	186.9	187.1	186.9	186.4	186.7	186.7	186.7	186.4
65°	182.9	182.4	182.5	182.8	182.9	182.8	182.5	182.4	182.9	182.4	182.5
65.5°	178.9	178.3	178.2	178.5	178.7	178.5	178.2	178.3	178.9	178.3	178.2
66°	174.8	174.4	173.9	174.2	174.4	174.2	173.9	174.4	174.8	174.4	173.9



TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	161.9	161.3	161.2	161.7	161.4	161.7	161.2	161.3	161.9	161.3	161.2
68°	157.6	157.2	157.0	157.3	157.2	157.3	157.0	157.2	157.6	157.2	157.0
68.5°	153.4	153.1	152.8	153.1	152.9	153.1	152.8	153.1	153.4	153.1	152.8
69°	148.8	148.8	148.5	148.5	148.8	148.5	148.5	148.8	148.8	148.8	148.5
69.5°	144.9	144.5	144.1	144.4	144.5	144.4	144.1	144.5	144.9	144.5	144.1
70°	140.8	140.3	139.8	140.0	140.2	140.0	139.8	140.3	140.8	140.3	139.8
70.5°	136.7	135.9	135.6	136.1	136.1	136.1	135.6	135.9	136.7	135.9	135.6
71°	132.2	131.6	131.2	131.6	131.6	131.6	131.2	131.6	132.2	131.6	131.2
71.5°	127.5	127.2	127.0	127.4	127.3	127.4	127.0	127.2	127.5	127.2	127.0
72°	123.3	122.7	122.8	123.2	122.9	123.2	122.8	122.7	123.3	122.7	122.8
72.5°	118.9	118.5	118.5	118.9	118.9	118.9	118.5	118.5	118.9	118.5	118.5
73°	114.3	114.0	114.0	114.6	114.5	114.6	114.0	114.0	114.3	114.0	114.0
73.5°	109.8	110.0	109.7	110.2	110.0	110.2	109.7	110.0	109.8	110.0	109.7
74°	105.5	105.6	105.4	105.8	105.9	105.8	105.4	105.6	105.5	105.6	105.4
74.5°	101.6	101.2	101.2	101.6	101.6	101.6	101.2	101.2	101.6	101.2	101.2
75°	97.3	96.9	96.8	97.1	97.4	97.1	96.8	96.9	97.3	96.9	96.8
75.5°	92.8	92.7	92.5	93.0	92.9	93.0	92.5	92.7	92.8	92.7	92.5
76°	88.4	88.4	88.4	88.6	88.9	88.6	88.4	88.4	88.4	88.4	88.4
76.5°	84.2	84.2	84.2	84.6	84.7	84.6	84.2	84.2	84.2	84.2	84.2
77°	80.0	79.9	80.0	80.4	80.5	80.4	80.0	79.9	80.0	79.9	80.0
77.5°	75.9	75.6	75.8	76.4	76.4	76.4	75.8	75.6	75.9	75.6	75.8
78°	71.8	71.6	71.8	72.4	72.7	72.4	71.8	71.6	71.8	71.6	71.8
78.5°	67.8	67.6	67.8	68.1	68.4	68.1	67.8	67.6	67.8	67.6	67.8
79°	63.7	63.5	63.8	64.2	64.3	64.2	63.8	63.5	63.7	63.5	63.8
79.5°	59.6	59.5	59.8	60.1	60.2	60.1	59.8	59.5	59.6	59.5	59.8
80°	55.8	55.7	55.9	56.2	56.3	56.2	55.9	55.7	55.8	55.7	55.9
80.5°	51.8	51.8	52.0	52.3	52.3	52.3	52.0	51.8	51.8	51.8	52.0
81°	48.0	48.0	48.2	48.5	48.5	48.5	48.2	48.0	48.0	48.0	48.2
81.5°	44.3	44.2	44.4	44.9	45.1	44.9	44.4	44.2	44.3	44.2	44.4
82°	40.3	40.5	40.8	41.3	41.5	41.3	40.8	40.5	40.3	40.5	40.8
82.5°	36.6	36.8	37.3	38.0	38.1	38.0	37.3	36.8	36.6	36.8	37.3
83°	33.1	33.4	33.9	34.6	34.9	34.6	33.9	33.4	33.1	33.4	33.9
83.5°	29.5	29.9	30.6	31.3	31.8	31.3	30.6	29.9	29.5	29.9	30.6
84°	26.4	26.8	27.5	28.2	28.6	28.2	27.5	26.8	26.4	26.8	27.5
84.5°	23.7	23.5	24.3	25.1	25.6	25.1	24.3	23.5	23.7	23.5	24.3
85°	20.6	20.8	21.4	22.2	22.8	22.2	21.4	20.8	20.6	20.8	21.4
85.5°	17.6	17.9	18.5	19.4	20.2	19.4	18.5	17.9	17.6	17.9	18.5
86°	15.0	15.3	16.1	17.0	17.8	17.0	16.1	15.3	15.0	15.3	16.1
86.5°	12.6	12.8	13.7	14.7	15.5	14.7	13.7	12.8	12.6	12.8	13.7
87°	10.2	10.6	11.6	12.7	13.5	12.7	11.6	10.6	10.2	10.6	11.6
87.5°	8.1	8.7	9.7	10.8	11.7	10.8	9.7	8.7	8.1	8.7	9.7
88°	6.5	6.9	7.9	9.1	10.1	9.1	7.9	6.9	6.5	6.9	7.9
88.5°	4.9	5.3	6.4	7.6	8.5	7.6	6.4	5.3	4.9	5.3	6.4



TEST NUMBER: P938628
CATALOG NUMBER: SMX6RLSFSD2W-1200LM-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: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	484.6	484.6	484.6	484.6	484.6	484.6
0.5°	484.7	484.6	484.7	483.4	484.3	486.0
1°	484.2	484.2	484.2	483.5	484.1	485.9
1.5°	484.5	484.0	484.5	484.0	484.2	485.3
2°	484.4	483.4	484.4	483.5	484.4	485.2
2.5°	484.6	484.0	484.6	483.0	483.8	484.4
3°	484.1	484.0	484.1	483.2	483.7	484.4
3.5°	483.5	483.8	483.5	482.8	483.4	484.7
4°	483.1	483.5	483.1	482.4	483.3	483.5
4.5°	482.8	483.0	482.8	482.2	482.6	483.1
5°	482.5	483.0	482.5	481.2	482.2	483.4
5.5°	482.2	482.8	482.2	480.8	481.7	483.3
6°	481.6	482.1	481.6	480.3	481.2	483.0
6.5°	480.6	481.9	480.6	479.7	480.9	481.7
7°	480.2	480.9	480.2	479.3	480.8	481.0
7.5°	479.5	479.7	479.5	479.0	480.2	480.1
8°	478.7	479.4	478.7	478.7	479.4	480.0
8.5°	478.3	479.3	478.3	478.0	478.6	479.3
9°	477.4	478.3	477.4	477.3	478.0	478.8
9.5°	476.8	477.5	476.8	475.8	477.2	478.0
10°	476.5	477.0	476.5	475.5	476.6	477.5
10.5°	475.3	476.0	475.3	474.1	475.5	475.1
11°	474.6	475.2	474.6	473.4	474.4	474.9
11.5°	473.5	474.4	473.5	472.7	474.2	473.8
12°	472.9	472.4	472.9	471.8	473.0	473.0
12.5°	471.3	471.6	471.3	470.2	472.2	471.7
13°	470.7	470.9	470.7	469.8	471.0	471.5
13.5°	469.9	470.0	469.9	468.7	470.4	470.4
14°	468.3	468.6	468.3	466.8	468.3	470.0
14.5°	467.5	467.6	467.5	466.1	467.7	468.3
15°	466.8	466.7	466.8	465.3	465.8	467.2
15.5°	465.4	464.5	465.4	464.0	464.5	466.1
16°	463.9	463.0	463.9	462.5	463.1	464.2
16.5°	462.3	461.5	462.3	461.5	462.0	463.5
17°	460.6	460.7	460.6	460.4	460.8	462.1
17.5°	459.6	459.6	459.6	459.3	459.5	460.1
18°	458.2	459.0	458.2	457.8	458.4	459.2
18.5°	456.6	457.4	456.6	455.5	456.5	458.6
19°	455.4	454.9	455.4	454.5	455.7	456.3
19.5°	454.2	453.6	454.2	453.2	453.7	454.3
20°	452.2	451.9	452.2	451.8	452.0	453.3
20.5°	450.5	450.4	450.5	450.0	450.2	452.5
21°	449.0	449.6	449.0	448.4	448.6	449.9

TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	444.6	444.2	444.6	443.3	444.3	445.0
23°	442.4	441.8	442.4	441.9	441.9	443.4
23.5°	440.5	440.3	440.5	439.5	440.5	441.6
24°	438.6	438.4	438.6	438.0	438.8	440.4
24.5°	436.5	437.2	436.5	435.6	437.4	438.0
25°	434.2	435.2	434.2	433.7	434.9	436.1
25.5°	432.5	432.6	432.5	431.9	433.3	434.7
26°	430.5	430.6	430.5	430.0	430.9	431.5
26.5°	428.4	428.2	428.4	428.5	429.3	429.9
27°	426.3	426.4	426.3	425.3	426.6	428.0
27.5°	424.9	424.3	424.9	423.6	424.0	425.5
28°	423.1	422.5	423.1	421.5	422.7	423.9
28.5°	420.1	419.8	420.1	419.9	420.8	420.9
29°	418.3	418.5	418.3	417.7	418.8	419.1
29.5°	416.4	416.6	416.4	415.4	416.2	416.3
30°	414.2	414.0	414.2	412.7	414.5	414.6
30.5°	412.1	411.1	412.1	410.1	411.8	412.4
31°	409.2	409.3	409.2	408.0	409.4	410.1
31.5°	407.1	407.2	407.1	405.8	406.9	408.0
32°	404.2	404.1	404.2	403.6	404.4	405.3
32.5°	401.8	401.6	401.8	401.3	402.4	402.8
33°	399.4	399.1	399.4	399.2	400.0	400.2
33.5°	396.8	397.4	396.8	397.2	397.3	397.3
34°	394.5	395.2	394.5	394.4	394.5	395.4
34.5°	392.3	392.1	392.3	391.4	391.8	393.3
35°	389.5	389.2	389.5	389.0	389.0	390.7
35.5°	386.4	387.4	386.4	386.0	386.4	387.8
36°	383.6	383.7	383.6	383.5	384.3	385.2
36.5°	381.4	380.6	381.4	380.6	381.1	382.1
37°	378.6	378.4	378.6	377.9	378.5	379.3
37.5°	375.3	376.4	375.3	375.8	375.9	376.7
38°	372.6	373.3	372.6	372.8	372.9	374.5
38.5°	370.4	370.4	370.4	369.9	370.8	371.4
39°	367.4	366.8	367.4	367.2	367.7	368.1
39.5°	364.4	364.9	364.4	364.4	364.9	364.7
40°	361.6	361.7	361.6	361.5	361.8	363.1
40.5°	358.3	358.7	358.3	358.7	358.7	359.4
41°	355.6	355.1	355.6	355.8	355.9	356.4
41.5°	352.5	353.0	352.5	352.8	352.9	353.8
42°	349.4	349.4	349.4	349.9	350.0	350.8
42.5°	346.6	346.7	346.6	346.8	346.7	347.3
43°	343.6	343.5	343.6	343.5	343.3	344.2
43.5°	340.6	340.1	340.6	340.3	339.9	340.7



TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	330.8	331.8	330.8	330.4	331.3	331.9
45.5°	327.9	328.1	327.9	327.1	327.9	329.2
46°	324.6	324.8	324.6	324.0	324.8	325.6
46.5°	321.6	321.3	321.6	321.2	321.6	322.1
47°	318.0	317.6	318.0	317.9	318.0	318.7
47.5°	314.4	314.7	314.4	314.4	314.8	315.5
48°	311.7	311.8	311.7	310.9	311.7	311.8
48.5°	308.2	308.2	308.2	308.0	308.4	308.6
49°	304.8	304.4	304.8	303.9	304.8	305.5
49.5°	301.5	300.8	301.5	300.1	301.4	302.2
50°	298.0	297.9	298.0	297.0	298.0	298.8
50.5°	294.2	294.4	294.2	293.8	294.5	295.0
51°	290.7	291.3	290.7	290.2	290.9	291.4
51.5°	287.1	287.4	287.1	286.6	287.2	288.3
52°	283.5	283.7	283.5	283.0	283.5	284.5
52.5°	280.2	280.8	280.2	279.7	280.1	280.8
53°	276.6	277.4	276.6	276.1	276.4	277.0
53.5°	273.0	273.5	273.0	272.8	272.7	273.1
54°	269.3	269.6	269.3	269.3	269.1	269.9
54.5°	265.5	265.7	265.5	265.4	265.5	266.3
55°	261.6	262.0	261.6	261.5	262.0	262.7
55.5°	257.7	258.4	257.7	257.8	258.0	259.0
56°	254.0	254.7	254.0	253.9	254.3	255.1
56.5°	250.2	251.1	250.2	250.1	250.6	251.6
57°	246.7	246.7	246.7	246.4	246.6	247.4
57.5°	243.0	242.9	243.0	242.4	242.6	243.6
58°	239.4	239.3	239.4	238.6	239.1	239.9
58.5°	235.6	235.6	235.6	234.9	235.2	236.2
59°	231.6	231.5	231.6	231.0	231.4	232.3
59.5°	227.5	227.9	227.5	227.1	227.4	228.3
60°	223.4	224.0	223.4	223.0	223.5	224.3
60.5°	219.3	220.2	219.3	219.0	219.6	219.8
61°	215.1	216.3	215.1	215.1	215.6	215.9
61.5°	211.2	212.0	211.2	211.1	211.4	211.9
62°	207.1	207.8	207.1	207.0	207.6	208.0
62.5°	203.1	203.3	203.1	202.9	203.3	203.8
63°	199.4	199.2	199.4	198.8	199.3	199.9
63.5°	195.2	195.2	195.2	194.6	195.0	195.6
64°	191.2	191.2	191.2	190.7	191.1	190.9
64.5°	186.9	187.1	186.9	186.4	186.7	186.7
65°	182.8	182.9	182.8	182.5	182.4	182.9
65.5°	178.5	178.7	178.5	178.2	178.3	178.9
66°	174.2	174.4	174.2	173.9	174.4	174.8



TEST NUMBER: P938628

CATALOG NUMBER: SMX6RLSFSD2W-1200LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	161.7	161.4	161.7	161.2	161.3	161.9
68°	157.3	157.2	157.3	157.0	157.2	157.6
68.5°	153.1	152.9	153.1	152.8	153.1	153.4
69°	148.5	148.8	148.5	148.5	148.8	148.8
69.5°	144.4	144.5	144.4	144.1	144.5	144.9
70°	140.0	140.2	140.0	139.8	140.3	140.8
70.5°	136.1	136.1	136.1	135.6	135.9	136.7
71°	131.6	131.6	131.6	131.2	131.6	132.2
71.5°	127.4	127.3	127.4	127.0	127.2	127.5
72°	123.2	122.9	123.2	122.8	122.7	123.3
72.5°	118.9	118.9	118.9	118.5	118.5	118.9
73°	114.6	114.5	114.6	114.0	114.0	114.3
73.5°	110.2	110.0	110.2	109.7	110.0	109.8
74°	105.8	105.9	105.8	105.4	105.6	105.5
74.5°	101.6	101.6	101.6	101.2	101.2	101.6
75°	97.1	97.4	97.1	96.8	96.9	97.3
75.5°	93.0	92.9	93.0	92.5	92.7	92.8
76°	88.6	88.9	88.6	88.4	88.4	88.4
76.5°	84.6	84.7	84.6	84.2	84.2	84.2
77°	80.4	80.5	80.4	80.0	79.9	80.0
77.5°	76.4	76.4	76.4	75.8	75.6	75.9
78°	72.4	72.7	72.4	71.8	71.6	71.8
78.5°	68.1	68.4	68.1	67.8	67.6	67.8
79°	64.2	64.3	64.2	63.8	63.5	63.7
79.5°	60.1	60.2	60.1	59.8	59.5	59.6
80°	56.2	56.3	56.2	55.9	55.7	55.8
80.5°	52.3	52.3	52.3	52.0	51.8	51.8
81°	48.5	48.5	48.5	48.2	48.0	48.0
81.5°	44.9	45.1	44.9	44.4	44.2	44.3
82°	41.3	41.5	41.3	40.8	40.5	40.3
82.5°	38.0	38.1	38.0	37.3	36.8	36.6
83°	34.6	34.9	34.6	33.9	33.4	33.1
83.5°	31.3	31.8	31.3	30.6	29.9	29.5
84°	28.2	28.6	28.2	27.5	26.8	26.4
84.5°	25.1	25.6	25.1	24.3	23.5	23.7
85°	22.2	22.8	22.2	21.4	20.8	20.6
85.5°	19.4	20.2	19.4	18.5	17.9	17.6
86°	17.0	17.8	17.0	16.1	15.3	15.0
86.5°	14.7	15.5	14.7	13.7	12.8	12.6
87°	12.7	13.5	12.7	11.6	10.6	10.2
87.5°	10.8	11.7	10.8	9.7	8.7	8.1
88°	9.1	10.1	9.1	7.9	6.9	6.5
88.5°	7.6	8.5	7.6	6.4	5.3	4.9



TEST NUMBER: P938628
CATALOG NUMBER: SMX6RLSFSD2W-1200LM-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

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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





21.5°	449.0	447.5	446.7	447.8	447.0	447.8	446.7	447.5	449.0	447.5	446.7
22°	447.5	445.6	445.3	445.8	444.9	445.8	445.3	445.6	447.5	445.6	445.3



44°	337.7	337.3	337.3	337.4	337.7	337.4	337.3	337.3	337.7	337.3	337.3
44.5°	334.6	334.3	334.0	334.2	334.9	334.2	334.0	334.3	334.6	334.3	334.0



66.5°	170.5	170.2	169.6	170.0	170.2	170.0	169.6	170.2	170.5	170.2	169.6
67°	166.3	165.7	165.5	165.8	165.7	165.8	165.5	165.7	166.3	165.7	165.5



89°	3.7	4.1	5.2	6.3	7.1	6.3	5.2	4.1	3.7	4.1	5.2
89.5°	2.5	3.1	4.0	5.1	6.0	5.1	4.0	3.1	2.5	3.1	4.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





21.5°	447.8	447.0	447.8	446.7	447.5	449.0
22°	445.8	444.9	445.8	445.3	445.6	447.5



44°	337.4	337.7	337.4	337.3	337.3	337.7
44.5°	334.2	334.9	334.2	334.0	334.3	334.6



66.5°	170.0	170.2	170.0	169.6	170.2	170.5
67°	165.8	165.7	165.8	165.5	165.7	166.3

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



89°	6.3	7.1	6.3	5.2	4.1	3.7
89.5°	5.1	6.0	5.1	4.0	3.1	2.5

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)