

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P997234

Luminaire Tested: **SMX8RLSFS010-1500LM-4000K**

Issue Date: 3/11/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P997234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410770A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX8RLSFS010-1500LM-4000K
Description: 8IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

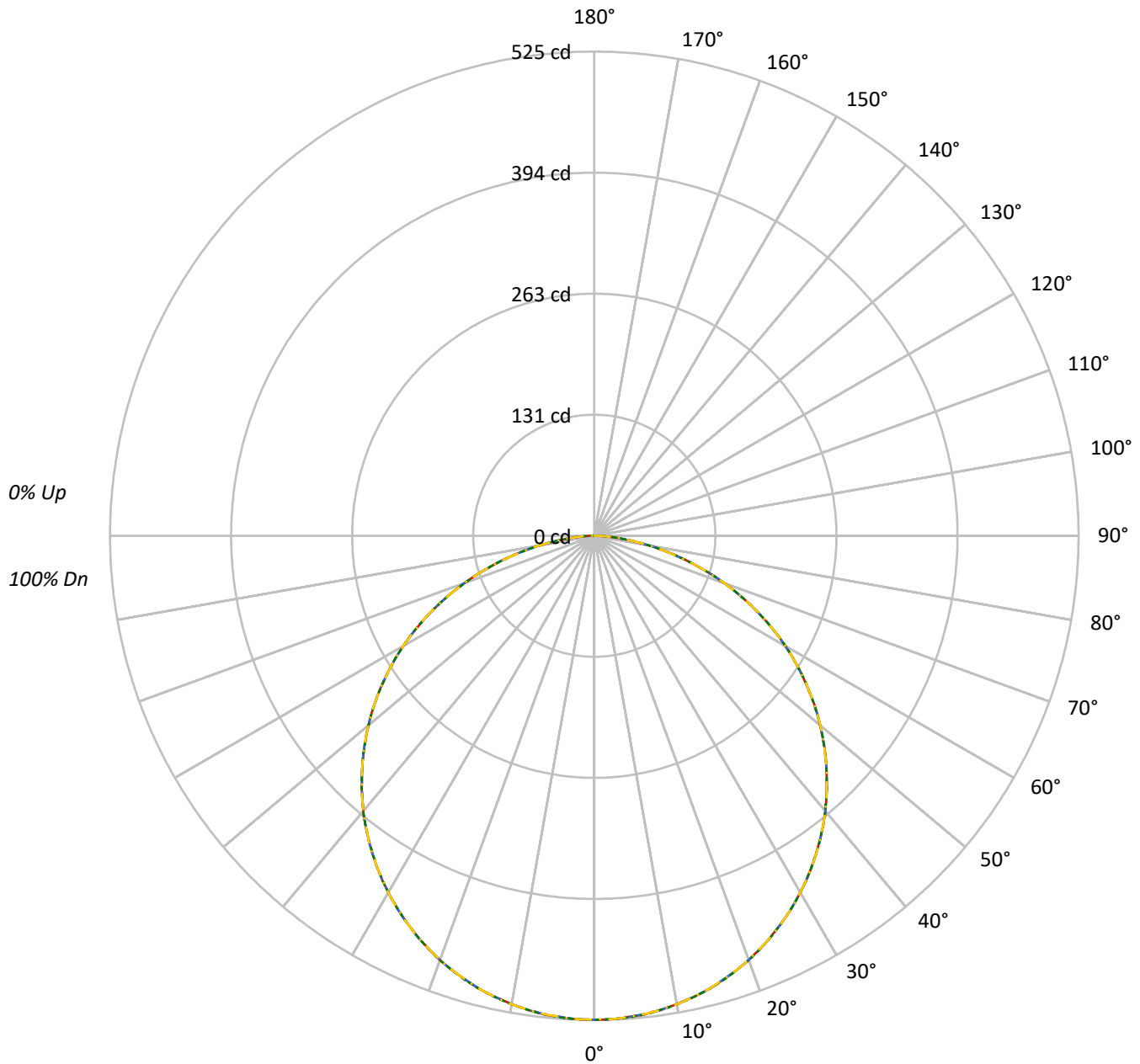
Lumens per Lamp: N/A
Luminaire Lumens: 1526.9 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 15.7
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: 25 FT

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83		
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69		
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58		
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49		
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43		
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37		
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16022	16022	16022	16022
5°	16010	16019	16010	16019
10°	15994	15990	15994	15990
15°	15959	15959	15959	15959
20°	15907	15910	15907	15910
25°	15823	15829	15823	15829
30°	15741	15748	15741	15748
35°	15642	15635	15642	15635
40°	15535	15519	15535	15519
45°	15354	15371	15354	15371
50°	15170	15180	15170	15180
55°	14930	14941	14930	14941
60°	14593	14612	14593	14612
65°	14087	14130	14087	14130
70°	13354	13363	13354	13363
75°	12197	12232	12197	12232
80°	10408	10496	10408	10496
85°	7812	8267	7812	8267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	3.3
10°-20°	142.5	9.3
20°-30°	216.6	14.2
30°-40°	262.5	17.2
40°-50°	274.4	18.0
50°-60°	250.6	16.4
60°-70°	192.9	12.6
70°-80°	109.5	7.2
80°-90°	28.1	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°	408.7	26.8
0°-40°	671.2	44.0
0°-60°	1196.3	78.4
0°-90°	1526.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1526.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	525	525	525	525	525	
5°	522	523	522	523	522	50
15°	505	505	505	505	505	142
25°	470	470	470	470	470	217
35°	420	420	420	420	420	263
45°	356	356	356	356	356	274
55°	280	281	280	281	280	251
65°	195	196	195	196	195	193
75°	103	104	103	104	103	109
85°	22	24	22	24	22	27
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°	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8
0.5°	524.8	525.1	524.6	524.7	524.7	524.7	524.6	525.1	524.8	525.1	524.6
1°	524.8	524.8	524.6	524.6	524.7	524.6	524.6	524.8	524.8	524.8	524.6
1.5°	524.8	524.7	524.5	524.3	524.5	524.3	524.5	524.7	524.8	524.7	524.5
2°	524.5	524.7	524.4	524.1	524.4	524.1	524.4	524.7	524.5	524.7	524.4
2.5°	524.3	524.4	524.3	524.0	524.3	524.0	524.3	524.4	524.3	524.4	524.3
3°	524.1	523.9	523.8	524.0	524.0	524.0	523.8	523.9	524.1	523.9	523.8
3.5°	523.6	523.7	523.6	523.6	524.0	523.6	523.6	523.7	523.6	523.7	523.6
4°	523.1	523.4	523.1	523.5	523.6	523.5	523.1	523.4	523.1	523.4	523.1
4.5°	522.8	523.0	522.7	522.9	523.3	522.9	522.7	523.0	522.8	523.0	522.7
5°	522.4	522.5	522.2	522.6	522.7	522.6	522.2	522.5	522.4	522.5	522.2
5.5°	522.3	522.1	521.8	522.0	522.5	522.0	521.8	522.1	522.3	522.1	521.8
6°	521.9	521.5	521.3	521.6	521.8	521.6	521.3	521.5	521.9	521.5	521.3
6.5°	521.0	520.8	520.9	520.9	521.3	520.9	520.9	520.8	521.0	520.8	520.9
7°	520.2	520.3	520.2	520.5	520.6	520.5	520.2	520.3	520.2	520.3	520.2
7.5°	519.7	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.7	519.8	519.8
8°	519.2	519.0	519.1	519.0	518.9	519.0	519.1	519.0	519.2	519.0	519.1
8.5°	518.2	518.4	518.2	518.1	518.4	518.1	518.2	518.4	518.2	518.4	518.2
9°	517.4	517.6	517.5	517.4	517.6	517.4	517.5	517.6	517.4	517.6	517.5
9.5°	516.5	516.8	516.5	516.6	516.7	516.6	516.5	516.8	516.5	516.8	516.5
10°	515.9	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.9	515.8	515.8
10.5°	514.6	515.0	515.0	514.7	515.0	514.7	515.0	515.0	514.6	515.0	515.0
11°	513.7	513.9	514.0	513.8	514.0	513.8	514.0	513.9	513.7	513.9	514.0
11.5°	512.5	513.1	512.9	512.7	513.0	512.7	512.9	513.1	512.5	513.1	512.9
12°	511.9	511.8	511.7	512.0	511.9	512.0	511.7	511.8	511.9	511.8	511.7
12.5°	510.7	510.9	510.7	511.0	511.0	511.0	510.7	510.9	510.7	510.9	510.7
13°	509.6	509.8	509.5	509.8	509.8	509.8	509.5	509.8	509.6	509.8	509.5
13.5°	508.6	508.5	508.6	508.7	508.7	508.7	508.6	508.5	508.6	508.5	508.6
14°	507.3	507.5	507.2	507.5	507.3	507.5	507.2	507.5	507.3	507.5	507.2
14.5°	506.2	506.2	506.1	506.1	506.4	506.1	506.1	506.2	506.2	506.2	506.1
15°	504.9	504.7	504.5	504.9	504.9	504.9	504.5	504.7	504.9	504.7	504.5
15.5°	503.2	503.5	503.0	503.6	503.7	503.6	503.0	503.5	503.2	503.5	503.0
16°	501.6	501.8	501.7	502.2	502.3	502.2	501.7	501.8	501.6	501.8	501.7
16.5°	500.4	500.6	500.4	500.6	500.8	500.6	500.4	500.6	500.4	500.6	500.4
17°	499.0	498.9	499.0	499.1	499.3	499.1	499.0	498.9	499.0	498.9	499.0
17.5°	497.6	497.4	497.4	497.5	497.8	497.5	497.4	497.4	497.6	497.4	497.4
18°	496.0	495.7	495.9	496.0	496.3	496.0	495.9	495.7	496.0	495.7	495.9
18.5°	494.3	494.2	494.4	494.3	494.4	494.3	494.4	494.2	494.3	494.2	494.4
19°	492.9	492.6	492.9	492.7	492.7	492.7	492.9	492.6	492.9	492.6	492.9
19.5°	491.2	491.1	491.2	491.0	491.1	491.0	491.2	491.1	491.2	491.1	491.2
20°	489.6	489.3	489.4	489.4	489.7	489.4	489.4	489.3	489.6	489.3	489.4
20.5°	487.8	487.5	487.6	487.7	487.9	487.7	487.6	487.5	487.8	487.5	487.6
21°	485.8	485.5	485.7	486.2	486.0	486.2	485.7	485.5	485.8	485.5	485.7

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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°	480.0	480.0	480.0	480.1	480.2	480.1	480.0	480.0	480.0	480.0	480.0
23°	478.3	477.8	478.2	478.2	478.2	478.2	478.2	477.8	478.3	477.8	478.2
23.5°	476.3	476.0	476.2	476.3	476.2	476.3	476.2	476.0	476.3	476.0	476.2
24°	474.0	473.8	474.2	474.2	474.1	474.2	474.2	473.8	474.0	473.8	474.2
24.5°	471.8	471.9	472.0	472.1	472.0	472.1	472.0	471.9	471.8	471.9	472.0
25°	469.7	469.5	469.8	470.0	469.9	470.0	469.8	469.5	469.7	469.5	469.8
25.5°	467.8	467.6	467.8	467.8	467.7	467.8	467.8	467.6	467.8	467.6	467.8
26°	465.5	465.3	465.6	465.6	465.6	465.6	465.6	465.3	465.5	465.3	465.6
26.5°	463.2	463.2	463.5	463.3	463.4	463.3	463.5	463.2	463.2	463.2	463.5
27°	460.9	460.8	461.1	461.0	461.0	461.0	461.1	460.8	460.9	460.8	461.1
27.5°	458.8	458.5	458.8	458.7	458.6	458.7	458.8	458.5	458.8	458.5	458.8
28°	456.5	455.9	456.5	456.3	456.2	456.3	456.5	455.9	456.5	455.9	456.5
28.5°	453.9	453.6	454.2	453.7	453.8	453.7	454.2	453.6	453.9	453.6	454.2
29°	451.5	451.4	451.6	451.5	451.7	451.5	451.6	451.4	451.5	451.4	451.6
29.5°	449.1	448.9	449.1	449.0	449.0	449.0	449.1	448.9	449.1	448.9	449.1
30°	446.5	446.4	446.6	446.5	446.7	446.5	446.6	446.4	446.5	446.4	446.6
30.5°	444.2	443.8	444.0	444.0	444.2	444.0	444.0	443.8	444.2	443.8	444.0
31°	441.6	441.2	441.5	441.5	441.5	441.5	441.5	441.2	441.6	441.2	441.5
31.5°	439.2	438.5	438.8	439.0	438.9	439.0	438.8	438.5	439.2	438.5	438.8
32°	436.4	435.9	436.2	436.4	436.2	436.4	436.2	435.9	436.4	435.9	436.2
32.5°	433.6	433.4	433.6	433.6	433.6	433.6	433.6	433.4	433.6	433.4	433.6
33°	431.1	430.7	430.9	431.0	431.0	431.0	430.9	430.7	431.1	430.7	430.9
33.5°	428.1	428.0	428.1	428.1	428.1	428.1	428.1	428.0	428.1	428.0	428.1
34°	425.3	425.4	425.5	425.5	425.1	425.5	425.5	425.4	425.3	425.4	425.5
34.5°	422.7	422.4	422.5	422.5	422.3	422.5	422.5	422.4	422.7	422.4	422.5
35°	419.7	419.6	419.7	419.8	419.5	419.8	419.7	419.6	419.7	419.6	419.7
35.5°	416.7	416.8	416.9	416.8	416.8	416.8	416.9	416.8	416.7	416.8	416.9
36°	413.9	413.9	414.1	414.0	413.8	414.0	414.1	413.9	413.9	413.9	414.1
36.5°	411.1	411.0	411.1	410.8	410.9	410.8	411.1	411.0	411.1	411.0	411.1
37°	408.0	407.9	408.0	407.8	407.8	407.8	408.0	407.9	408.0	407.9	408.0
37.5°	405.0	404.9	404.9	404.7	404.9	404.7	404.9	404.9	405.0	404.9	404.9
38°	402.0	401.7	401.9	401.9	402.0	401.9	401.9	401.7	402.0	401.7	401.9
38.5°	399.2	398.6	398.9	398.8	398.9	398.8	398.9	398.6	399.2	398.6	398.9
39°	395.9	395.5	395.9	395.8	395.8	395.8	395.9	395.5	395.9	395.5	395.9
39.5°	393.2	392.5	392.7	392.5	392.6	392.5	392.7	392.5	393.2	392.5	392.7
40°	389.8	389.3	389.6	389.3	389.4	389.3	389.6	389.3	389.8	389.3	389.6
40.5°	386.3	386.1	386.1	386.1	385.9	386.1	386.1	386.1	386.3	386.1	386.1
41°	383.0	382.9	382.9	383.0	382.6	383.0	382.9	382.9	383.0	382.9	382.9
41.5°	379.6	379.6	379.6	379.6	379.4	379.6	379.6	379.6	379.6	379.6	379.6
42°	376.2	376.4	376.4	376.4	376.4	376.4	376.4	376.4	376.2	376.4	376.4
42.5°	373.1	372.9	373.1	373.1	373.2	373.1	373.1	372.9	373.1	372.9	373.1
43°	369.6	369.4	369.5	369.8	369.8	369.8	369.5	369.4	369.6	369.4	369.5
43.5°	366.1	366.0	366.1	366.4	366.2	366.4	366.1	366.0	366.1	366.0	366.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	355.6	355.7	355.9	356.0	356.0	356.0	355.9	355.7	355.6	355.7	355.9
45.5°	352.5	352.1	352.4	352.3	352.4	352.3	352.4	352.1	352.5	352.1	352.4
46°	348.9	348.6	348.7	348.8	348.8	348.8	348.7	348.6	348.9	348.6	348.7
46.5°	345.3	345.1	345.1	345.2	345.3	345.2	345.1	345.1	345.3	345.1	345.1
47°	341.6	341.6	341.5	341.5	341.7	341.5	341.5	341.6	341.6	341.6	341.5
47.5°	338.0	338.0	338.1	338.2	338.1	338.2	338.1	338.0	338.0	338.0	338.1
48°	334.3	334.4	334.5	334.5	334.3	334.5	334.5	334.4	334.3	334.4	334.5
48.5°	330.5	330.7	330.9	330.9	330.9	330.9	330.9	330.7	330.5	330.7	330.9
49°	327.0	326.9	327.2	327.3	327.0	327.3	327.2	326.9	327.0	326.9	327.2
49.5°	323.3	323.1	323.5	323.4	323.4	323.4	323.5	323.1	323.3	323.1	323.5
50°	319.4	319.4	319.6	319.8	319.6	319.8	319.6	319.4	319.4	319.4	319.6
50.5°	315.7	315.7	315.8	316.0	315.9	316.0	315.8	315.7	315.7	315.7	315.8
51°	312.2	311.9	311.9	312.3	312.0	312.3	311.9	311.9	312.2	311.9	311.9
51.5°	308.4	308.1	308.0	308.3	308.2	308.3	308.0	308.1	308.4	308.1	308.0
52°	304.5	304.2	304.3	304.3	304.3	304.3	304.3	304.2	304.5	304.2	304.3
52.5°	300.5	300.4	300.5	300.4	300.5	300.4	300.5	300.4	300.5	300.4	300.5
53°	296.5	296.4	296.5	296.5	296.5	296.5	296.5	296.4	296.5	296.4	296.5
53.5°	292.5	292.5	292.6	292.5	292.6	292.5	292.6	292.5	292.5	292.5	292.6
54°	288.5	288.4	288.5	288.5	288.5	288.5	288.5	288.4	288.5	288.4	288.5
54.5°	284.5	284.5	284.6	284.5	284.8	284.5	284.6	284.5	284.5	284.5	284.6
55°	280.5	280.4	280.7	280.6	280.7	280.6	280.7	280.4	280.5	280.4	280.7
55.5°	276.3	276.4	276.6	276.5	276.5	276.5	276.6	276.4	276.3	276.4	276.6
56°	272.5	272.5	272.3	272.5	272.3	272.5	272.3	272.5	272.5	272.5	272.3
56.5°	268.6	268.5	268.3	268.5	268.5	268.5	268.3	268.5	268.6	268.5	268.3
57°	264.4	264.4	264.3	264.3	264.3	264.3	264.3	264.4	264.4	264.4	264.3
57.5°	260.0	260.2	260.1	260.2	260.0	260.2	260.1	260.2	260.0	260.2	260.1
58°	256.1	256.0	256.0	256.0	255.9	256.0	256.0	256.0	256.1	256.0	256.0
58.5°	251.9	251.9	251.8	251.8	251.9	251.8	251.8	251.9	251.9	251.9	251.8
59°	247.5	247.6	247.7	247.6	247.6	247.6	247.7	247.6	247.5	247.6	247.7
59.5°	243.4	243.3	243.5	243.5	243.5	243.5	243.5	243.3	243.4	243.3	243.5
60°	239.0	239.0	239.1	239.4	239.3	239.4	239.1	239.0	239.0	239.0	239.1
60.5°	234.9	234.8	234.7	235.0	235.0	235.0	234.7	234.8	234.9	234.8	234.7
61°	230.5	230.5	230.3	230.7	230.6	230.7	230.3	230.5	230.5	230.5	230.3
61.5°	226.3	226.1	226.1	226.4	226.4	226.4	226.1	226.1	226.3	226.1	226.1
62°	221.9	221.8	221.8	221.9	222.0	221.9	221.8	221.8	221.9	221.8	221.8
62.5°	217.3	217.4	217.5	217.4	217.7	217.4	217.5	217.4	217.3	217.4	217.5
63°	213.0	213.0	213.1	213.0	213.2	213.0	213.1	213.0	213.0	213.0	213.1
63.5°	208.4	208.7	208.6	208.5	208.7	208.5	208.6	208.7	208.4	208.7	208.6
64°	204.1	204.0	204.2	204.1	204.4	204.1	204.2	204.0	204.1	204.0	204.2
64.5°	199.5	199.7	199.7	199.6	200.0	199.6	199.7	199.7	199.5	199.7	199.7
65°	195.0	195.1	195.4	195.4	195.6	195.4	195.4	195.1	195.0	195.1	195.4
65.5°	190.7	190.7	190.7	190.8	191.0	190.8	190.7	190.7	190.7	190.7	190.7
66°	186.2	186.1	186.2	186.2	186.3	186.2	186.2	186.1	186.2	186.1	186.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997234

CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	172.5	172.5	172.5	172.6	172.9	172.6	172.5	172.5	172.5	172.5	172.5
68°	167.9	168.1	167.9	168.1	168.3	168.1	167.9	168.1	167.9	168.1	167.9
68.5°	163.5	163.4	163.3	163.6	163.7	163.6	163.3	163.4	163.5	163.4	163.3
69°	158.7	158.9	158.9	159.0	159.1	159.0	158.9	158.9	158.7	158.9	158.9
69.5°	154.1	154.3	154.3	154.1	154.3	154.1	154.3	154.3	154.1	154.3	154.3
70°	149.6	149.6	149.7	149.6	149.7	149.6	149.7	149.6	149.6	149.6	149.7
70.5°	145.1	145.1	145.0	145.1	145.1	145.1	145.0	145.1	145.1	145.1	145.0
71°	140.3	140.6	140.5	140.5	140.4	140.5	140.5	140.6	140.3	140.6	140.5
71.5°	135.7	135.9	135.7	135.8	135.8	135.8	135.7	135.9	135.7	135.9	135.7
72°	131.0	131.1	131.1	131.3	131.1	131.3	131.1	131.1	131.0	131.1	131.1
72.5°	126.4	126.4	126.5	126.6	126.6	126.6	126.5	126.4	126.4	126.4	126.5
73°	121.7	121.8	122.0	122.1	122.0	122.1	122.0	121.8	121.7	121.8	122.0
73.5°	117.1	117.2	117.3	117.5	117.3	117.5	117.3	117.2	117.1	117.2	117.3
74°	112.5	112.7	112.7	112.9	112.8	112.9	112.7	112.7	112.5	112.7	112.7
74.5°	107.9	107.9	108.0	108.2	108.3	108.2	108.0	107.9	107.9	107.9	108.0
75°	103.4	103.4	103.5	103.6	103.7	103.6	103.5	103.4	103.4	103.4	103.5
75.5°	98.8	98.8	98.9	99.0	99.2	99.0	98.9	98.8	98.8	98.8	98.9
76°	94.2	94.3	94.4	94.5	94.6	94.5	94.4	94.3	94.2	94.3	94.4
76.5°	89.6	89.7	89.8	90.1	90.2	90.1	89.8	89.7	89.6	89.7	89.8
77°	85.2	85.2	85.4	85.7	85.9	85.7	85.4	85.2	85.2	85.2	85.4
77.5°	80.6	80.7	80.9	81.2	81.4	81.2	80.9	80.7	80.6	80.7	80.9
78°	76.2	76.3	76.6	76.7	77.1	76.7	76.6	76.3	76.2	76.3	76.6
78.5°	71.9	71.9	72.2	72.3	72.6	72.3	72.2	71.9	71.9	71.9	72.2
79°	67.7	67.7	67.9	68.1	68.4	68.1	67.9	67.7	67.7	67.7	67.9
79.5°	63.4	63.4	63.6	63.9	64.0	63.9	63.6	63.4	63.4	63.4	63.6
80°	59.2	59.3	59.4	59.7	59.7	59.7	59.4	59.3	59.2	59.3	59.4
80.5°	55.1	55.2	55.4	55.6	55.6	55.6	55.4	55.2	55.1	55.2	55.4
81°	51.2	51.2	51.4	51.6	51.5	51.6	51.4	51.2	51.2	51.2	51.4
81.5°	47.2	47.2	47.4	47.6	47.5	47.6	47.4	47.2	47.2	47.2	47.4
82°	43.3	43.3	43.5	43.8	43.8	43.8	43.5	43.3	43.3	43.3	43.5
82.5°	39.5	39.5	39.7	40.2	40.3	40.2	39.7	39.5	39.5	39.5	39.7
83°	35.7	35.8	36.2	36.7	36.8	36.7	36.2	35.8	35.7	35.8	36.2
83.5°	31.9	32.1	32.6	33.0	33.3	33.0	32.6	32.1	31.9	32.1	32.6
84°	28.5	28.8	29.3	29.7	30.0	29.7	29.3	28.8	28.5	28.8	29.3
84.5°	25.4	25.6	26.0	26.5	27.1	26.5	26.0	25.6	25.4	25.6	26.0
85°	22.3	22.5	23.0	23.4	23.6	23.4	23.0	22.5	22.3	22.5	23.0
85.5°	19.5	19.7	20.1	20.6	21.1	20.6	20.1	19.7	19.5	19.7	20.1
86°	16.8	17.1	17.5	18.0	18.4	18.0	17.5	17.1	16.8	17.1	17.5
86.5°	14.3	14.4	15.0	15.6	16.2	15.6	15.0	14.4	14.3	14.4	15.0
87°	11.9	12.2	12.8	13.4	14.0	13.4	12.8	12.2	11.9	12.2	12.8
87.5°	9.8	10.2	10.7	11.3	12.0	11.3	10.7	10.2	9.8	10.2	10.7
88°	8.0	8.4	8.9	9.5	10.1	9.5	8.9	8.4	8.0	8.4	8.9
88.5°	6.5	6.7	7.2	7.7	8.5	7.7	7.2	6.7	6.5	6.7	7.2

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

Scaled Data Report



TEST NUMBER: P997234
CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997234

CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	524.8	524.8	524.8	524.8	524.8	524.8
0.5°	524.7	524.7	524.7	524.6	525.1	524.8
1°	524.6	524.7	524.6	524.6	524.8	524.8
1.5°	524.3	524.5	524.3	524.5	524.7	524.8
2°	524.1	524.4	524.1	524.4	524.7	524.5
2.5°	524.0	524.3	524.0	524.3	524.4	524.3
3°	524.0	524.0	524.0	523.8	523.9	524.1
3.5°	523.6	524.0	523.6	523.6	523.7	523.6
4°	523.5	523.6	523.5	523.1	523.4	523.1
4.5°	522.9	523.3	522.9	522.7	523.0	522.8
5°	522.6	522.7	522.6	522.2	522.5	522.4
5.5°	522.0	522.5	522.0	521.8	522.1	522.3
6°	521.6	521.8	521.6	521.3	521.5	521.9
6.5°	520.9	521.3	520.9	520.9	520.8	521.0
7°	520.5	520.6	520.5	520.2	520.3	520.2
7.5°	519.8	519.8	519.8	519.8	519.8	519.7
8°	519.0	518.9	519.0	519.1	519.0	519.2
8.5°	518.1	518.4	518.1	518.2	518.4	518.2
9°	517.4	517.6	517.4	517.5	517.6	517.4
9.5°	516.6	516.7	516.6	516.5	516.8	516.5
10°	515.8	515.8	515.8	515.8	515.8	515.9
10.5°	514.7	515.0	514.7	515.0	515.0	514.6
11°	513.8	514.0	513.8	514.0	513.9	513.7
11.5°	512.7	513.0	512.7	512.9	513.1	512.5
12°	512.0	511.9	512.0	511.7	511.8	511.9
12.5°	511.0	511.0	511.0	510.7	510.9	510.7
13°	509.8	509.8	509.8	509.5	509.8	509.6
13.5°	508.7	508.7	508.7	508.6	508.5	508.6
14°	507.5	507.3	507.5	507.2	507.5	507.3
14.5°	506.1	506.4	506.1	506.1	506.2	506.2
15°	504.9	504.9	504.9	504.5	504.7	504.9
15.5°	503.6	503.7	503.6	503.0	503.5	503.2
16°	502.2	502.3	502.2	501.7	501.8	501.6
16.5°	500.6	500.8	500.6	500.4	500.6	500.4
17°	499.1	499.3	499.1	499.0	498.9	499.0
17.5°	497.5	497.8	497.5	497.4	497.4	497.6
18°	496.0	496.3	496.0	495.9	495.7	496.0
18.5°	494.3	494.4	494.3	494.4	494.2	494.3
19°	492.7	492.7	492.7	492.9	492.6	492.9
19.5°	491.0	491.1	491.0	491.2	491.1	491.2
20°	489.4	489.7	489.4	489.4	489.3	489.6
20.5°	487.7	487.9	487.7	487.6	487.5	487.8
21°	486.2	486.0	486.2	485.7	485.5	485.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997234

CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	480.1	480.2	480.1	480.0	480.0	480.0
23°	478.2	478.2	478.2	478.2	477.8	478.3
23.5°	476.3	476.2	476.3	476.2	476.0	476.3
24°	474.2	474.1	474.2	474.2	473.8	474.0
24.5°	472.1	472.0	472.1	472.0	471.9	471.8
25°	470.0	469.9	470.0	469.8	469.5	469.7
25.5°	467.8	467.7	467.8	467.8	467.6	467.8
26°	465.6	465.6	465.6	465.6	465.3	465.5
26.5°	463.3	463.4	463.3	463.5	463.2	463.2
27°	461.0	461.0	461.0	461.1	460.8	460.9
27.5°	458.7	458.6	458.7	458.8	458.5	458.8
28°	456.3	456.2	456.3	456.5	455.9	456.5
28.5°	453.7	453.8	453.7	454.2	453.6	453.9
29°	451.5	451.7	451.5	451.6	451.4	451.5
29.5°	449.0	449.0	449.0	449.1	448.9	449.1
30°	446.5	446.7	446.5	446.6	446.4	446.5
30.5°	444.0	444.2	444.0	444.0	443.8	444.2
31°	441.5	441.5	441.5	441.5	441.2	441.6
31.5°	439.0	438.9	439.0	438.8	438.5	439.2
32°	436.4	436.2	436.4	436.2	435.9	436.4
32.5°	433.6	433.6	433.6	433.6	433.4	433.6
33°	431.0	431.0	431.0	430.9	430.7	431.1
33.5°	428.1	428.1	428.1	428.1	428.0	428.1
34°	425.5	425.1	425.5	425.5	425.4	425.3
34.5°	422.5	422.3	422.5	422.5	422.4	422.7
35°	419.8	419.5	419.8	419.7	419.6	419.7
35.5°	416.8	416.8	416.8	416.9	416.8	416.7
36°	414.0	413.8	414.0	414.1	413.9	413.9
36.5°	410.8	410.9	410.8	411.1	411.0	411.1
37°	407.8	407.8	407.8	408.0	407.9	408.0
37.5°	404.7	404.9	404.7	404.9	404.9	405.0
38°	401.9	402.0	401.9	401.9	401.7	402.0
38.5°	398.8	398.9	398.8	398.9	398.6	399.2
39°	395.8	395.8	395.8	395.9	395.5	395.9
39.5°	392.5	392.6	392.5	392.7	392.5	393.2
40°	389.3	389.4	389.3	389.6	389.3	389.8
40.5°	386.1	385.9	386.1	386.1	386.1	386.3
41°	383.0	382.6	383.0	382.9	382.9	383.0
41.5°	379.6	379.4	379.6	379.6	379.6	379.6
42°	376.4	376.4	376.4	376.4	376.4	376.2
42.5°	373.1	373.2	373.1	373.1	372.9	373.1
43°	369.8	369.8	369.8	369.5	369.4	369.6
43.5°	366.4	366.2	366.4	366.1	366.0	366.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997234

CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	356.0	356.0	356.0	355.9	355.7	355.6
45.5°	352.3	352.4	352.3	352.4	352.1	352.5
46°	348.8	348.8	348.8	348.7	348.6	348.9
46.5°	345.2	345.3	345.2	345.1	345.1	345.3
47°	341.5	341.7	341.5	341.5	341.6	341.6
47.5°	338.2	338.1	338.2	338.1	338.0	338.0
48°	334.5	334.3	334.5	334.5	334.4	334.3
48.5°	330.9	330.9	330.9	330.9	330.7	330.5
49°	327.3	327.0	327.3	327.2	326.9	327.0
49.5°	323.4	323.4	323.4	323.5	323.1	323.3
50°	319.8	319.6	319.8	319.6	319.4	319.4
50.5°	316.0	315.9	316.0	315.8	315.7	315.7
51°	312.3	312.0	312.3	311.9	311.9	312.2
51.5°	308.3	308.2	308.3	308.0	308.1	308.4
52°	304.3	304.3	304.3	304.3	304.2	304.5
52.5°	300.4	300.5	300.4	300.5	300.4	300.5
53°	296.5	296.5	296.5	296.5	296.4	296.5
53.5°	292.5	292.6	292.5	292.6	292.5	292.5
54°	288.5	288.5	288.5	288.5	288.4	288.5
54.5°	284.5	284.8	284.5	284.6	284.5	284.5
55°	280.6	280.7	280.6	280.7	280.4	280.5
55.5°	276.5	276.5	276.5	276.6	276.4	276.3
56°	272.5	272.3	272.5	272.3	272.5	272.5
56.5°	268.5	268.5	268.5	268.3	268.5	268.6
57°	264.3	264.3	264.3	264.3	264.4	264.4
57.5°	260.2	260.0	260.2	260.1	260.2	260.0
58°	256.0	255.9	256.0	256.0	256.0	256.1
58.5°	251.8	251.9	251.8	251.8	251.9	251.9
59°	247.6	247.6	247.6	247.7	247.6	247.5
59.5°	243.5	243.5	243.5	243.5	243.3	243.4
60°	239.4	239.3	239.4	239.1	239.0	239.0
60.5°	235.0	235.0	235.0	234.7	234.8	234.9
61°	230.7	230.6	230.7	230.3	230.5	230.5
61.5°	226.4	226.4	226.4	226.1	226.1	226.3
62°	221.9	222.0	221.9	221.8	221.8	221.9
62.5°	217.4	217.7	217.4	217.5	217.4	217.3
63°	213.0	213.2	213.0	213.1	213.0	213.0
63.5°	208.5	208.7	208.5	208.6	208.7	208.4
64°	204.1	204.4	204.1	204.2	204.0	204.1
64.5°	199.6	200.0	199.6	199.7	199.7	199.5
65°	195.4	195.6	195.4	195.4	195.1	195.0
65.5°	190.8	191.0	190.8	190.7	190.7	190.7
66°	186.2	186.3	186.2	186.2	186.1	186.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997234

CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	172.6	172.9	172.6	172.5	172.5	172.5
68°	168.1	168.3	168.1	167.9	168.1	167.9
68.5°	163.6	163.7	163.6	163.3	163.4	163.5
69°	159.0	159.1	159.0	158.9	158.9	158.7
69.5°	154.1	154.3	154.1	154.3	154.3	154.1
70°	149.6	149.7	149.6	149.7	149.6	149.6
70.5°	145.1	145.1	145.1	145.0	145.1	145.1
71°	140.5	140.4	140.5	140.5	140.6	140.3
71.5°	135.8	135.8	135.8	135.7	135.9	135.7
72°	131.3	131.1	131.3	131.1	131.1	131.0
72.5°	126.6	126.6	126.6	126.5	126.4	126.4
73°	122.1	122.0	122.1	122.0	121.8	121.7
73.5°	117.5	117.3	117.5	117.3	117.2	117.1
74°	112.9	112.8	112.9	112.7	112.7	112.5
74.5°	108.2	108.3	108.2	108.0	107.9	107.9
75°	103.6	103.7	103.6	103.5	103.4	103.4
75.5°	99.0	99.2	99.0	98.9	98.8	98.8
76°	94.5	94.6	94.5	94.4	94.3	94.2
76.5°	90.1	90.2	90.1	89.8	89.7	89.6
77°	85.7	85.9	85.7	85.4	85.2	85.2
77.5°	81.2	81.4	81.2	80.9	80.7	80.6
78°	76.7	77.1	76.7	76.6	76.3	76.2
78.5°	72.3	72.6	72.3	72.2	71.9	71.9
79°	68.1	68.4	68.1	67.9	67.7	67.7
79.5°	63.9	64.0	63.9	63.6	63.4	63.4
80°	59.7	59.7	59.7	59.4	59.3	59.2
80.5°	55.6	55.6	55.6	55.4	55.2	55.1
81°	51.6	51.5	51.6	51.4	51.2	51.2
81.5°	47.6	47.5	47.6	47.4	47.2	47.2
82°	43.8	43.8	43.8	43.5	43.3	43.3
82.5°	40.2	40.3	40.2	39.7	39.5	39.5
83°	36.7	36.8	36.7	36.2	35.8	35.7
83.5°	33.0	33.3	33.0	32.6	32.1	31.9
84°	29.7	30.0	29.7	29.3	28.8	28.5
84.5°	26.5	27.1	26.5	26.0	25.6	25.4
85°	23.4	23.6	23.4	23.0	22.5	22.3
85.5°	20.6	21.1	20.6	20.1	19.7	19.5
86°	18.0	18.4	18.0	17.5	17.1	16.8
86.5°	15.6	16.2	15.6	15.0	14.4	14.3
87°	13.4	14.0	13.4	12.8	12.2	11.9
87.5°	11.3	12.0	11.3	10.7	10.2	9.8
88°	9.5	10.1	9.5	8.9	8.4	8.0
88.5°	7.7	8.5	7.7	7.2	6.7	6.5

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Scaled Data Report



TEST NUMBER: P997234
CATALOG NUMBER: SMX8RLSFS010-1500LM-4000K

CANDELA DISTRIBUTION (continued):

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

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Scaled Data Report

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1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	484.0	483.8	483.9	484.0	484.2	484.0	483.9	483.8	484.0	483.8	483.9
22°	482.2	481.9	481.9	482.0	482.1	482.0	481.9	481.9	482.2	481.9	481.9



44°	362.6	362.7	362.8	363.1	362.9	363.1	362.8	362.7	362.6	362.7	362.8
44.5°	359.2	359.2	359.4	359.5	359.5	359.5	359.4	359.2	359.2	359.2	359.4



66.5°	181.6	181.5	181.6	181.6	181.9	181.6	181.6	181.5	181.6	181.5	181.6
67°	177.1	177.0	177.1	177.1	177.3	177.1	177.1	177.0	177.1	177.0	177.1



89°	5.1	5.3	5.8	6.3	6.9	6.3	5.8	5.3	5.1	5.3	5.8
89.5°	3.9	4.2	4.5	5.1	5.7	5.1	4.5	4.2	3.9	4.2	4.5

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21.5°	484.0	484.2	484.0	483.9	483.8	484.0
22°	482.0	482.1	482.0	481.9	481.9	482.2

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44°	363.1	362.9	363.1	362.8	362.7	362.6
44.5°	359.5	359.5	359.5	359.4	359.2	359.2

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66.5°	181.6	181.9	181.6	181.6	181.5	181.6
67°	177.1	177.3	177.1	177.1	177.0	177.1

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89°	6.3	6.9	6.3	5.8	5.3	5.1
89.5°	5.1	5.7	5.1	4.5	4.2	3.9

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(END OF REPORT)