

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P855728

Luminaire Tested: **22SFS-L3C4-UNV-LOW-3500K**

Issue Date: 7/17/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P855728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( BL231218006-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22SFS-L3C4-UNV-LOW-3500K  
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,  
LOW Lumen and 3500K CCT Settings  
Light Source: -  
Ballast/Driver: -

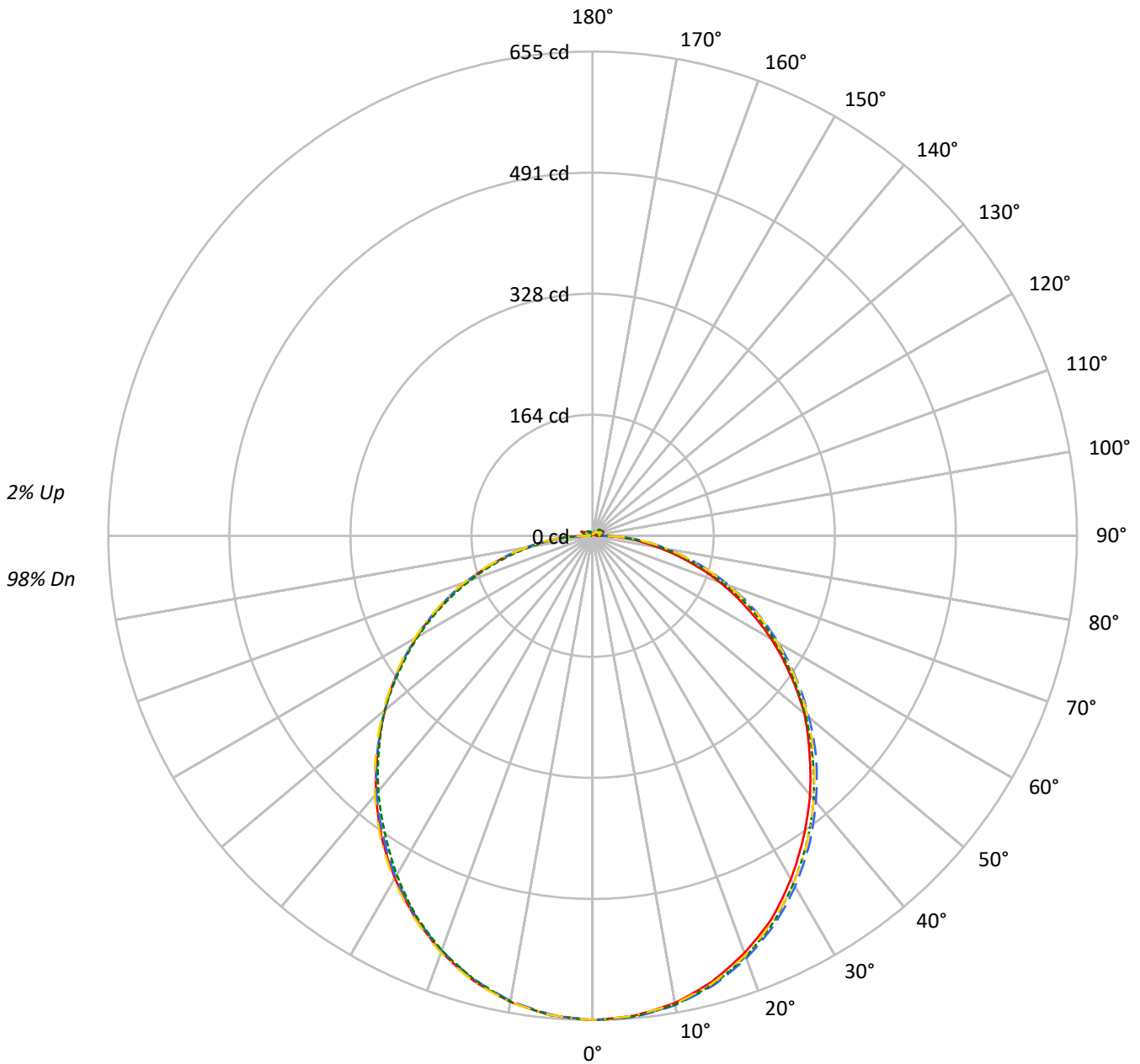
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1911.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	0
RCR																					
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100				98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83				80
2	98	89	82	76	95	87	80	75	83	78	73	79	75	71	76	72	69				67
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58				56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	60	54	50				48
5	75	62	53	46	72	60	52	45	58	50	45	56	49	44	54	48	43				41
6	69	56	46	40	67	54	46	40	52	45	39	50	44	39	49	43	38				36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	44	38	34				32
8	60	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30				28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27				25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25				23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	983	983	983	983
5°	981	983	980	981
10°	978	981	976	975
15°	970	976	968	965
20°	959	967	956	953
25°	948	957	942	938
30°	929	941	927	918
35°	911	926	912	898
40°	896	911	893	884
45°	880	892	872	867
50°	873	877	855	857
55°	852	862	843	835
60°	837	854	825	819
65°	815	845	812	795
70°	801	831	799	772
75°	777	821	775	745
80°	765	832	760	724
85°	873	944	868	814



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.8	3.2
10°-20°	176.1	9.2
20°-30°	263.8	13.8
30°-40°	313.4	16.4
40°-50°	321.8	16.8
50°-60°	292.8	15.3
60°-70°	231.5	12.1
70°-80°	147.0	7.7
80°-90°	57.7	3.0
90°-100°	6.3	0.3
100°-110°	11.6	0.6
110°-120°	10.8	0.6
120°-130°	6.5	0.3
130°-140°	4.3	0.2
140°-150°	3.0	0.2
150°-160°	1.7	0.1
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	501.8	26.3
0°-40°	815.2	42.7
0°-60°	1429.8	74.8
0°-90°	1865.9	97.6
90°-120°	28.7	1.5
90°-150°	42.4	2.2
90°-180°	45.0	2.4
0°-180°	1911.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	655	655	655	655	655	
5°	652	653	651	651	652	62
15°	624	628	623	621	624	176
25°	572	578	569	566	572	263
35°	497	506	498	490	497	312
45°	415	420	411	409	415	321
55°	326	330	322	319	326	292
65°	230	238	229	224	230	228
75°	134	142	134	128	134	142
85°	51	55	50	47	51	49
90°	6	17	5	4	6	9
95°	5	6	2	2	5	4
105°	14	14	13	13	14	13
115°	15	14	12	11	15	14
125°	4	13	4	10	4	4
135°	2	11	1	8	2	1
145°	2	8	2	6	2	1
155°	2	6	2	6	2	1
165°	2	3	2	3	2	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P855728

CATALOG NUMBER: 22SFS-L3C4-UNV-LOW-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	655.0	655.0	655.0	655.0	655.0	655.0	655.0	655.0	655.0	655.0	655.0
5°	651.5	649.5	653.1	654.6	652.7	650.1	651.4	652.6	650.8	647.9	650.1
10°	641.8	640.4	644.7	646.1	643.9	641.2	642.7	643.0	640.4	637.6	639.0
15°	624.3	624.5	629.9	631.2	628.2	625.5	626.6	626.3	623.1	620.3	620.9
20°	600.5	602.7	608.2	609.7	605.5	604.0	604.0	603.1	598.9	596.5	597.1
25°	572.4	574.7	581.0	582.1	577.7	576.1	575.8	575.1	569.1	567.2	567.2
30°	536.3	541.8	547.8	550.1	543.1	542.9	543.5	540.9	534.9	533.8	533.0
35°	497.4	504.7	510.7	512.7	505.7	506.5	505.9	502.7	497.7	495.6	494.4
40°	457.3	464.8	469.7	470.4	465.2	465.8	465.3	462.2	455.8	455.5	454.8
45°	414.6	421.3	427.8	427.8	420.4	422.5	422.5	419.0	410.9	410.5	411.5
50°	373.8	376.1	382.0	382.7	375.8	378.0	379.8	375.0	366.4	367.3	367.2
55°	325.7	332.1	335.9	339.2	329.5	333.3	334.4	329.7	322.3	320.8	321.6
60°	278.8	285.1	290.0	292.7	284.7	286.8	287.9	284.7	274.8	274.9	276.6
65°	229.5	236.4	244.6	244.7	238.0	240.6	243.7	237.2	228.6	229.9	229.6
70°	182.6	189.1	196.5	197.0	189.5	193.7	194.6	189.1	182.0	181.7	181.7
75°	134.1	143.2	148.6	148.9	141.6	145.9	146.5	143.7	133.7	134.6	135.6
80°	88.5	96.1	102.1	102.0	96.3	100.2	102.0	96.3	88.0	91.4	90.7
85°	50.7	57.7	62.5	61.8	54.8	59.1	61.0	56.1	50.4	52.4	52.2
90°	6.3	9.6	17.0	23.5	17.0	19.4	14.7	7.8	4.8	3.8	3.9
95°	4.8	4.6	4.1	5.5	6.0	4.7	3.0	2.6	2.3	2.6	2.6
100°	4.2	4.2	6.9	5.6	4.0	7.5	4.0	2.2	1.9	2.4	10.5
105°	14.1	13.4	13.9	11.4	13.5	11.5	11.8	11.8	12.7	13.1	12.9
110°	15.9	14.6	13.9	12.6	14.3	11.1	11.9	13.5	16.3	12.9	10.1
115°	15.0	13.7	10.6	12.4	13.8	11.7	11.0	11.6	11.9	10.0	6.2
120°	9.7	9.6	8.0	11.3	13.1	11.1	8.1	9.4	8.8	7.7	4.5
125°	4.1	5.0	7.7	11.0	12.6	10.4	8.1	4.6	3.7	4.5	4.4
130°	1.8	4.6	7.6	10.7	12.3	10.0	7.7	4.0	1.4	4.2	4.6
135°	1.8	4.2	6.7	9.9	10.9	8.7	6.5	3.8	1.4	4.0	4.2
140°	1.8	4.0	5.5	7.3	8.8	7.2	5.7	3.5	1.5	3.7	5.5
145°	1.6	3.8	5.0	6.3	7.6	6.4	5.9	3.4	1.6	3.4	6.0
150°	1.6	3.6	4.5	6.1	6.6	5.7	5.1	3.1	1.5	3.1	5.1
155°	1.8	3.1	4.1	5.1	6.2	5.0	4.1	2.9	1.6	2.8	4.1
160°	1.8	2.7	3.3	4.0	3.2	3.9	3.1	2.3	1.5	2.3	3.3
165°	1.8	2.2	2.5	2.6	2.8	2.3	2.3	2.0	1.5	2.0	2.6
170°	1.8	2.0	2.2	2.3	3.0	2.1	2.0	1.8	1.4	1.8	2.1
175°	2.0	2.1	2.2	2.2	2.4	2.2	1.9	1.6	1.6	1.5	1.9
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P855728

CATALOG NUMBER: 22SFS-L3C4-UNV-LOW-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	655.0	655.0	655.0	655.0	655.0	655.0
5°	651.3	651.1	648.2	650.7	652.5	651.5
10°	639.8	639.8	637.5	640.5	642.0	641.8
15°	621.6	621.0	619.9	624.0	625.3	624.3
20°	596.7	596.8	595.1	600.2	602.6	600.5
25°	566.6	566.3	567.4	570.8	573.8	572.4
30°	532.6	529.8	533.5	537.7	539.6	536.3
35°	494.6	490.1	495.3	499.7	500.8	497.4
40°	450.7	451.1	453.9	458.4	460.1	457.3
45°	407.4	408.7	411.3	414.3	415.6	414.6
50°	364.9	366.9	366.6	369.9	370.7	373.8
55°	319.4	319.1	321.5	324.3	326.8	325.7
60°	272.7	273.0	274.2	278.4	279.6	278.8
65°	225.4	224.0	227.1	231.0	231.6	229.5
70°	178.4	176.0	179.4	184.4	182.5	182.6
75°	130.6	128.5	132.4	136.5	134.7	134.1
80°	86.7	83.8	87.5	90.9	89.4	88.5
85°	49.4	47.3	50.8	52.4	53.6	50.7
90°	3.5	3.6	4.2	5.4	6.0	6.3
95°	5.1	1.9	3.9	3.5	4.6	4.8
100°	10.6	8.4	9.9	9.5	4.5	4.2
105°	10.3	12.8	11.0	13.4	13.8	14.1
110°	8.8	11.4	9.4	11.5	13.3	15.9
115°	7.9	10.7	8.9	8.1	12.2	15.0
120°	7.9	10.4	8.0	5.5	8.3	9.7
125°	7.5	9.6	7.5	5.0	4.1	4.1
130°	6.7	9.1	6.7	4.6	3.5	1.8
135°	5.8	7.8	5.3	4.1	3.4	1.8
140°	4.8	7.7	4.6	4.6	3.2	1.8
145°	5.8	6.5	5.8	4.8	3.0	1.6
150°	5.7	6.4	5.7	4.5	2.8	1.6
155°	4.4	5.6	3.8	3.5	2.6	1.8
160°	3.4	3.4	3.2	3.2	2.3	1.8
165°	2.8	2.7	2.8	2.7	2.0	1.8
170°	2.5	2.9	2.6	2.1	2.0	1.8
175°	1.8	2.4	2.1	2.1	2.0	2.0
180°	1.9	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-50001EG







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









(END OF REPORT)