

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: P855715

Luminaire Tested: **22SFS-L3C4-NUV-LOW-3000K**

Issue Date: 7/17/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P855715  
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-NUV-LOW-3000K  
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,  
LOW Lumen and 3000K CCT Settings  
Light Source: -  
Ballast/Driver: -

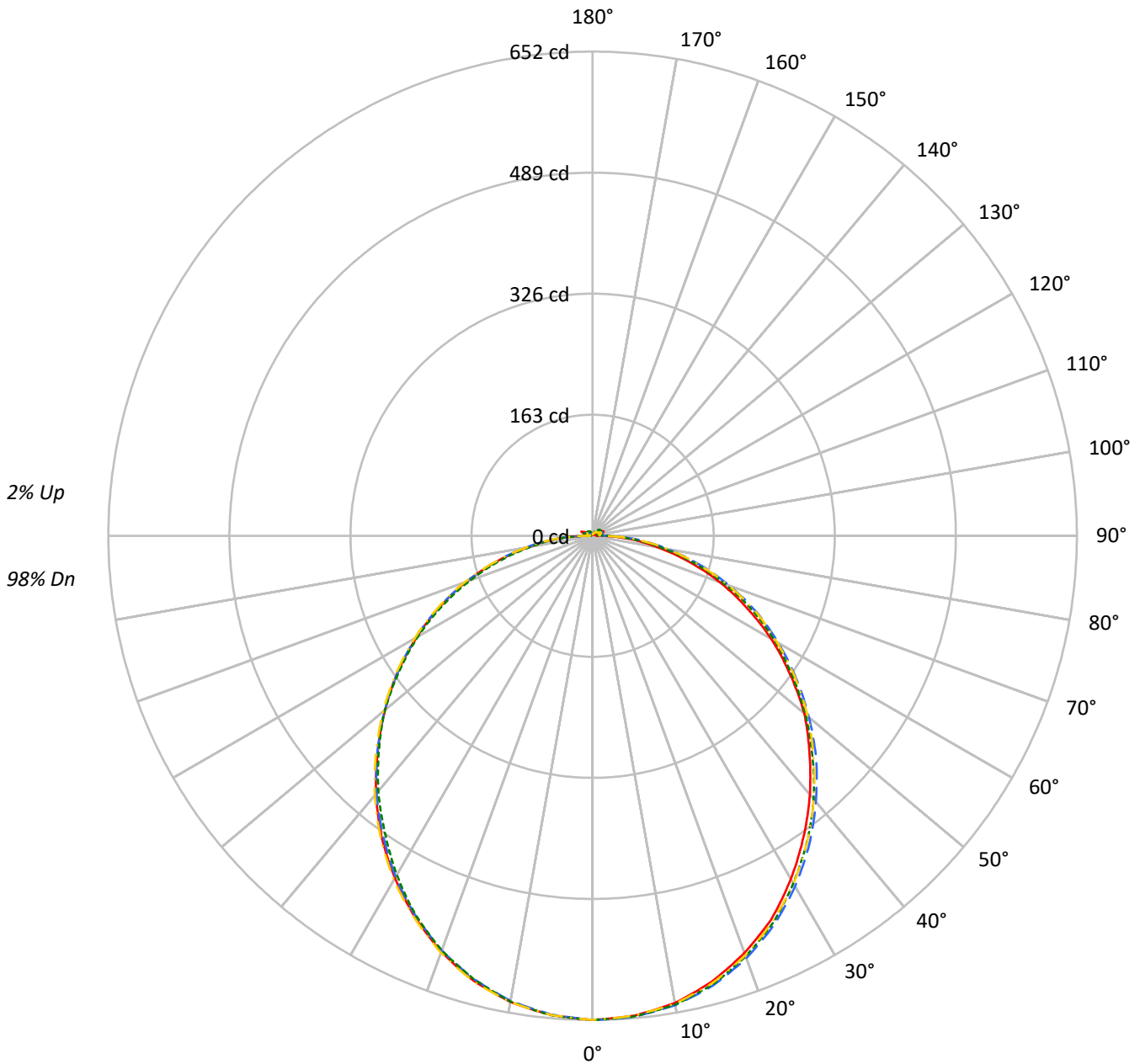
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1902.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 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°	978	978	978	978
5°	977	979	976	976
10°	973	977	971	970
15°	965	971	964	960
20°	954	962	952	949
25°	943	952	938	933
30°	925	937	923	914
35°	907	922	907	894
40°	891	907	889	880
45°	876	888	868	863
50°	868	873	851	852
55°	848	858	839	831
60°	833	850	821	815
65°	811	841	808	792
70°	797	827	795	769
75°	774	817	772	742
80°	761	828	756	721
85°	868	938	863	811



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.6	3.2
10°-20°	175.3	9.2
20°-30°	262.6	13.8
30°-40°	312.0	16.4
40°-50°	320.3	16.8
50°-60°	291.4	15.3
60°-70°	230.4	12.1
70°-80°	146.3	7.7
80°-90°	57.4	3.0
90°-100°	6.3	0.3
100°-110°	11.5	0.6
110°-120°	10.7	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°	499.4	26.3
0°-40°	811.4	42.7
0°-60°	1423.0	74.8
0°-90°	1857.1	97.6
90°-120°	28.5	1.5
90°-150°	42.3	2.2
90°-180°	45.0	2.4
0°-180°	1902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	652	652	652	652	652	
5°	648	650	648	648	648	62
15°	621	625	620	618	621	175
25°	570	575	566	564	570	262
35°	495	503	495	488	495	310
45°	413	418	409	407	413	319
55°	324	328	321	318	324	290
65°	228	237	228	223	228	227
75°	134	141	133	128	134	142
85°	50	54	50	47	50	48
90°	6	17	5	4	6	9
95°	5	6	2	2	5	4
105°	14	13	13	13	14	13
115°	15	14	12	11	15	14
125°	4	12	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	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9
5°	648.5	646.4	650.0	651.5	649.6	647.0	648.4	649.5	647.7	644.9	647.0
10°	638.8	637.4	641.7	643.0	640.9	638.2	639.6	639.9	637.4	634.6	635.9
15°	621.4	621.6	626.9	628.3	625.3	622.5	623.6	623.3	620.2	617.4	618.0
20°	597.7	599.9	605.3	606.8	602.6	601.2	601.2	600.3	596.1	593.7	594.3
25°	569.7	572.0	578.2	579.4	575.0	573.4	573.1	572.4	566.5	564.5	564.5
30°	533.8	539.3	545.2	547.5	540.5	540.3	540.9	538.4	532.4	531.3	530.5
35°	495.1	502.3	508.3	510.3	503.3	504.1	503.5	500.3	495.3	493.3	492.0
40°	455.1	462.6	467.5	468.1	463.0	463.6	463.1	460.0	453.7	453.4	452.7
45°	412.7	419.4	425.8	425.8	418.4	420.5	420.5	417.0	409.0	408.6	409.5
50°	372.0	374.4	380.2	380.9	374.0	376.2	378.0	373.2	364.7	365.5	365.4
55°	324.1	330.6	334.3	337.6	327.9	331.7	332.8	328.1	320.7	319.3	320.1
60°	277.5	283.7	288.7	291.3	283.3	285.5	286.5	283.3	273.5	273.6	275.3
65°	228.4	235.3	243.5	243.6	236.9	239.5	242.5	236.1	227.6	228.8	228.5
70°	181.7	188.2	195.6	196.1	188.6	192.8	193.6	188.2	181.1	180.8	180.8
75°	133.5	142.5	147.9	148.2	140.9	145.3	145.8	143.0	133.1	134.0	135.0
80°	88.1	95.6	101.6	101.5	95.8	99.7	101.5	95.8	87.5	90.9	90.3
85°	50.4	57.4	62.2	61.5	54.5	58.8	60.7	55.9	50.1	52.2	52.0
90°	6.3	9.5	16.9	23.4	16.9	19.3	14.7	7.8	4.8	3.8	3.9
95°	4.8	4.6	4.1	5.4	5.9	4.7	3.0	2.6	2.3	2.6	2.6
100°	4.2	4.2	6.9	5.5	4.0	7.5	4.0	2.2	1.8	2.4	10.5
105°	14.0	13.3	13.8	11.4	13.4	11.5	11.8	11.8	12.6	13.0	12.8
110°	15.8	14.6	13.8	12.5	14.2	11.1	11.9	13.4	16.2	12.8	10.0
115°	15.0	13.6	10.6	12.3	13.7	11.7	11.0	11.6	11.9	9.9	6.2
120°	9.6	9.5	8.0	11.3	13.0	11.1	8.1	9.3	8.7	7.7	4.5
125°	4.1	5.0	7.7	11.0	12.5	10.4	8.1	4.6	3.7	4.5	4.4
130°	1.7	4.6	7.6	10.7	12.2	9.9	7.7	4.0	1.4	4.2	4.6
135°	1.7	4.2	6.7	9.8	10.9	8.6	6.5	3.8	1.4	4.0	4.2
140°	1.7	4.0	5.4	7.3	8.7	7.2	5.6	3.5	1.5	3.7	5.4
145°	1.6	3.8	5.0	6.3	7.6	6.4	5.8	3.4	1.6	3.4	5.9
150°	1.6	3.6	4.5	6.0	6.6	5.6	5.1	3.1	1.5	3.1	5.1
155°	1.7	3.1	4.1	5.1	6.2	5.0	4.1	2.9	1.6	2.8	4.1
160°	1.7	2.7	3.3	4.0	3.2	3.9	3.1	2.3	1.5	2.3	3.3
165°	1.7	2.2	2.5	2.6	2.8	2.3	2.3	1.9	1.5	1.9	2.6
170°	1.7	1.9	2.2	2.3	3.0	2.0	1.9	1.7	1.4	1.7	2.0
175°	1.9	2.0	2.2	2.2	2.4	2.2	1.8	1.6	1.6	1.5	1.8
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	651.9	651.9	651.9	651.9	651.9	651.9
5°	648.3	648.0	645.2	647.6	649.4	648.5
10°	636.8	636.8	634.5	637.5	639.0	638.8
15°	618.6	618.1	617.0	621.1	622.3	621.4
20°	593.9	594.0	592.3	597.4	599.8	597.7
25°	563.9	563.7	564.7	568.1	571.1	569.7
30°	530.1	527.3	531.0	535.2	537.0	533.8
35°	492.2	487.8	493.0	497.4	498.5	495.1
40°	448.6	449.0	451.7	456.3	457.9	455.1
45°	405.5	406.7	409.4	412.4	413.6	412.7
50°	363.2	365.1	364.9	368.2	368.9	372.0
55°	317.9	317.6	320.0	322.8	325.3	324.1
60°	271.4	271.7	272.9	277.1	278.3	277.5
65°	224.4	223.0	226.0	229.9	230.5	228.4
70°	177.5	175.2	178.6	183.5	181.6	181.7
75°	130.0	127.9	131.8	135.8	134.1	133.5
80°	86.3	83.4	87.1	90.5	89.0	88.1
85°	49.2	47.1	50.5	52.2	53.3	50.4
90°	3.5	3.6	4.2	5.3	5.9	6.3
95°	5.1	1.8	3.9	3.5	4.6	4.8
100°	10.6	8.4	9.8	9.4	4.5	4.2
105°	10.3	12.7	11.0	13.3	13.7	14.0
110°	8.7	11.4	9.3	11.5	13.2	15.8
115°	7.9	10.7	8.8	8.1	12.1	15.0
120°	7.9	10.4	8.0	5.4	8.3	9.6
125°	7.5	9.5	7.5	5.0	4.1	4.1
130°	6.7	9.0	6.7	4.6	3.5	1.7
135°	5.7	7.8	5.2	4.1	3.4	1.7
140°	4.8	7.7	4.6	4.6	3.2	1.7
145°	5.7	6.5	5.7	4.8	3.0	1.6
150°	5.6	6.4	5.6	4.5	2.8	1.6
155°	4.4	5.5	3.8	3.5	2.6	1.7
160°	3.4	3.4	3.2	3.2	2.3	1.7
165°	2.8	2.7	2.8	2.7	1.9	1.7
170°	2.5	2.9	2.6	2.0	1.9	1.7
175°	1.7	2.4	2.0	2.0	1.9	1.9
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)