

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: P855729

Luminaire Tested: **22SFS-L3C4-UNV-LOW-4000K**

Issue Date: 7/17/2024

**Test Information**

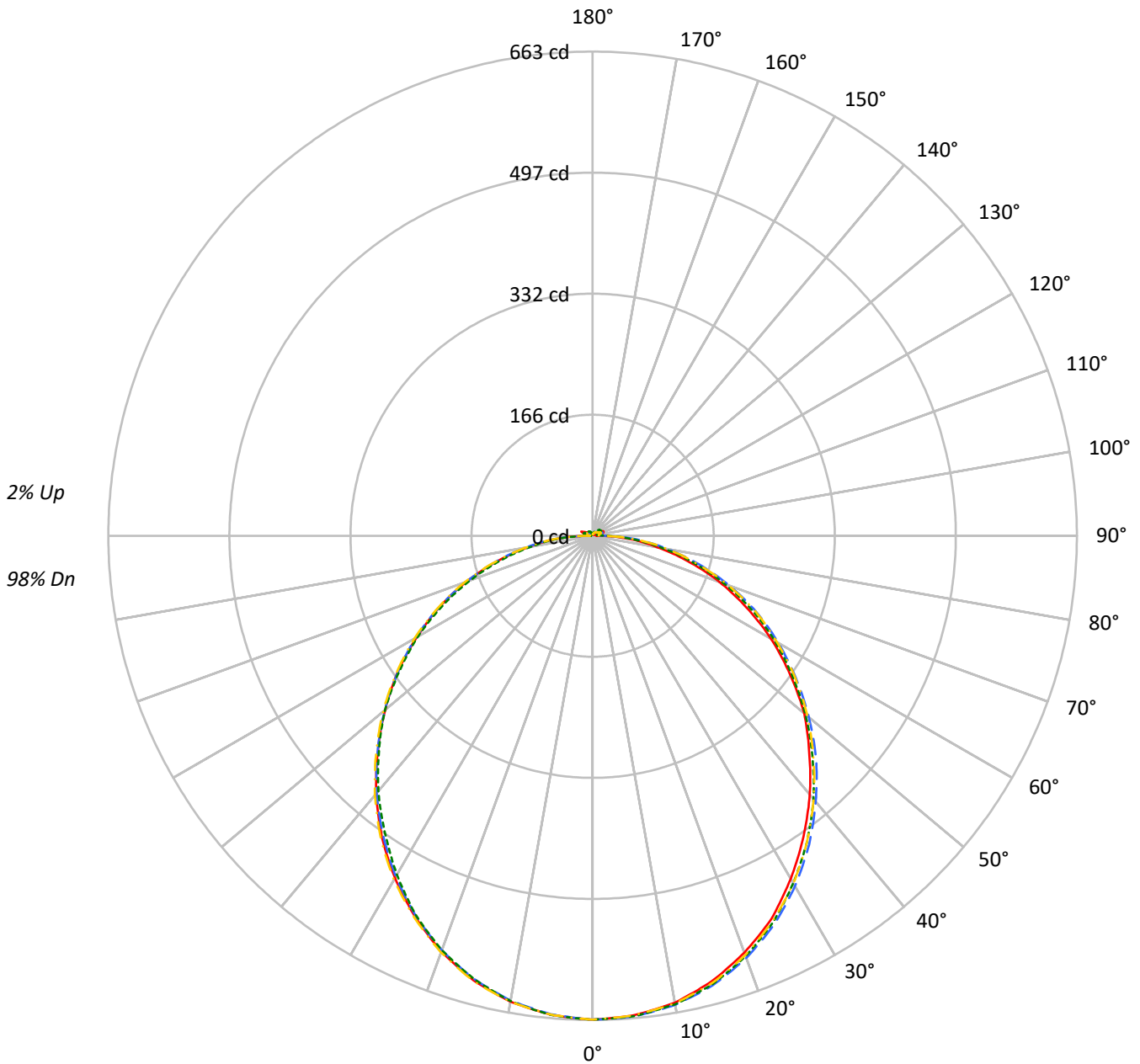
Test Method: LM-79-08  
Report Number: P855729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( BL231218006-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22SFS-L3C4-UNV-LOW-4000K  
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,  
LOW Lumen and 4000K CCT Settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1933.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 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					
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°	994	994	994	994
5°	993	994	992	992
10°	989	992	987	986
15°	981	987	979	976
20°	970	978	967	964
25°	959	967	953	949
30°	940	952	938	929
35°	922	937	922	908
40°	906	922	903	894
45°	890	903	882	877
50°	883	887	865	866
55°	862	872	853	844
60°	846	864	834	829
65°	824	855	821	805
70°	810	841	808	781
75°	786	830	784	754
80°	773	842	769	733
85°	883	954	876	823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.6	3.2
10°-20°	178.1	9.2
20°-30°	266.8	13.8
30°-40°	317.0	16.4
40°-50°	325.5	16.8
50°-60°	296.1	15.3
60°-70°	234.2	12.1
70°-80°	148.7	7.7
80°-90°	58.3	3.0
90°-100°	6.4	0.3
100°-110°	11.7	0.6
110°-120°	10.9	0.6
120°-130°	6.6	0.3
130°-140°	4.4	0.2
140°-150°	3.0	0.2
150°-160°	1.8	0.1
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	507.5	26.3
0°-40°	824.6	42.7
0°-60°	1446.3	74.8
0°-90°	1887.4	97.6
90°-120°	29.0	1.5
90°-150°	43.0	2.2
90°-180°	46.0	2.4
0°-180°	1933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	663	663	663	663	663	
5°	659	660	658	659	659	63
15°	632	636	630	628	632	178
25°	579	584	576	573	579	266
35°	503	512	503	496	503	315
45°	419	425	416	413	419	324
55°	329	333	326	323	329	295
65°	232	241	231	227	232	231
75°	136	143	135	130	136	144
85°	51	55	51	48	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	5
135°	2	11	2	8	2	1
145°	2	8	2	7	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: P855729

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6
5°	659.0	656.9	660.6	662.1	660.2	657.6	658.9	660.1	658.3	655.4	657.6
10°	649.2	647.8	652.1	653.5	651.3	648.6	650.1	650.4	647.8	645.0	646.3
15°	631.5	631.7	637.1	638.5	635.5	632.7	633.8	633.5	630.3	627.5	628.1
20°	607.5	609.6	615.2	616.7	612.5	611.0	611.0	610.1	605.8	603.4	604.0
25°	579.0	581.3	587.7	588.8	584.3	582.8	582.5	581.7	575.7	573.7	573.7
30°	542.4	548.1	554.1	556.4	549.3	549.1	549.7	547.1	541.1	539.9	539.1
35°	503.2	510.5	516.6	518.6	511.5	512.3	511.7	508.5	503.4	501.3	500.1
40°	462.5	470.2	475.2	475.8	470.6	471.2	470.7	467.5	461.1	460.8	460.0
45°	419.4	426.2	432.8	432.8	425.3	427.3	427.3	423.8	415.7	415.2	416.2
50°	378.1	380.5	386.4	387.1	380.1	382.3	384.2	379.3	370.7	371.5	371.4
55°	329.4	336.0	339.7	343.1	333.3	337.1	338.3	333.5	326.0	324.5	325.3
60°	282.0	288.4	293.4	296.1	287.9	290.1	291.2	287.9	277.9	278.0	279.8
65°	232.1	239.1	247.4	247.5	240.8	243.4	246.5	239.9	231.3	232.5	232.2
70°	184.7	191.3	198.8	199.3	191.7	196.0	196.8	191.3	184.1	183.8	183.8
75°	135.6	144.8	150.3	150.6	143.2	147.6	148.1	145.3	135.2	136.2	137.2
80°	89.5	97.2	103.2	103.1	97.4	101.4	103.1	97.4	89.0	92.4	91.8
85°	51.3	58.3	63.2	62.5	55.4	59.8	61.7	56.8	50.9	53.0	52.8
90°	6.4	9.7	17.2	23.8	17.2	19.6	14.9	7.9	4.9	3.9	4.0
95°	4.9	4.7	4.2	5.5	6.0	4.8	3.0	2.6	2.3	2.6	2.6
100°	4.3	4.3	7.0	5.6	4.1	7.6	4.1	2.2	1.9	2.4	10.6
105°	14.3	13.5	14.1	11.6	13.6	11.7	12.0	12.0	12.8	13.2	13.0
110°	16.0	14.8	14.1	12.7	14.5	11.3	12.1	13.6	16.5	13.0	10.2
115°	15.2	13.9	10.7	12.5	14.0	11.9	11.1	11.8	12.1	10.1	6.3
120°	9.8	9.7	8.1	11.5	13.2	11.3	8.2	9.5	8.9	7.8	4.6
125°	4.2	5.1	7.8	11.1	12.7	10.5	8.2	4.7	3.8	4.6	4.5
130°	1.8	4.7	7.7	10.8	12.4	10.1	7.8	4.1	1.5	4.3	4.7
135°	1.8	4.3	6.8	10.0	11.0	8.8	6.6	3.9	1.5	4.1	4.3
140°	1.8	4.1	5.5	7.4	8.9	7.3	5.7	3.5	1.6	3.8	5.5
145°	1.7	3.9	5.1	6.4	7.7	6.5	5.9	3.4	1.7	3.4	6.0
150°	1.7	3.6	4.6	6.1	6.7	5.7	5.2	3.1	1.6	3.1	5.2
155°	1.8	3.1	4.2	5.2	6.3	5.1	4.2	2.9	1.7	2.8	4.2
160°	1.8	2.7	3.3	4.1	3.2	4.0	3.1	2.3	1.6	2.3	3.3
165°	1.8	2.2	2.5	2.6	2.8	2.3	2.3	2.0	1.6	2.0	2.6
170°	1.8	2.0	2.2	2.3	3.0	2.1	2.0	1.8	1.5	1.8	2.1
175°	2.0	2.1	2.2	2.2	2.4	2.2	1.9	1.7	1.7	1.6	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



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	662.6	662.6	662.6	662.6	662.6	662.6
5°	658.8	658.6	655.7	658.2	660.0	659.0
10°	647.1	647.1	644.9	647.9	649.4	649.2
15°	628.7	628.2	627.0	631.2	632.5	631.5
20°	603.6	603.7	601.9	607.1	609.5	607.5
25°	573.1	572.9	573.9	577.3	580.4	579.0
30°	538.7	535.9	539.6	543.9	545.8	542.4
35°	500.3	495.8	501.0	505.5	506.6	503.2
40°	455.9	456.3	459.1	463.7	465.4	462.5
45°	412.1	413.4	416.1	419.1	420.4	419.4
50°	369.1	371.1	370.9	374.2	374.9	378.1
55°	323.1	322.7	325.2	328.1	330.6	329.4
60°	275.9	276.2	277.3	281.6	282.8	282.0
65°	228.0	226.6	229.7	233.7	234.3	232.1
70°	180.4	178.0	181.5	186.5	184.6	184.7
75°	132.1	130.0	134.0	138.0	136.3	135.6
80°	87.7	84.8	88.6	92.0	90.4	89.5
85°	50.0	47.8	51.4	53.0	54.2	51.3
90°	3.5	3.6	4.3	5.4	6.0	6.4
95°	5.2	1.9	4.0	3.5	4.7	4.9
100°	10.7	8.5	10.0	9.6	4.6	4.3
105°	10.4	12.9	11.1	13.5	14.0	14.3
110°	8.9	11.6	9.5	11.7	13.4	16.0
115°	8.0	10.8	9.0	8.2	12.3	15.2
120°	8.0	10.5	8.1	5.5	8.4	9.8
125°	7.6	9.7	7.6	5.1	4.2	4.2
130°	6.8	9.2	6.8	4.7	3.5	1.8
135°	5.8	7.9	5.3	4.2	3.4	1.8
140°	4.9	7.8	4.7	4.7	3.2	1.8
145°	5.8	6.6	5.8	4.9	3.0	1.7
150°	5.7	6.5	5.7	4.6	2.8	1.7
155°	4.5	5.6	3.9	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)