

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: P855679

Luminaire Tested: **14SFS-L3C4-UNV-LOW-3000K**

Issue Date: 7/17/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P855679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( BL231218003-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14SFS-L3C4-UNV-LOW-3000K  
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,  
LOW Lumen and 3000K CCT Settings  
Light Source: -  
Ballast/Driver: -

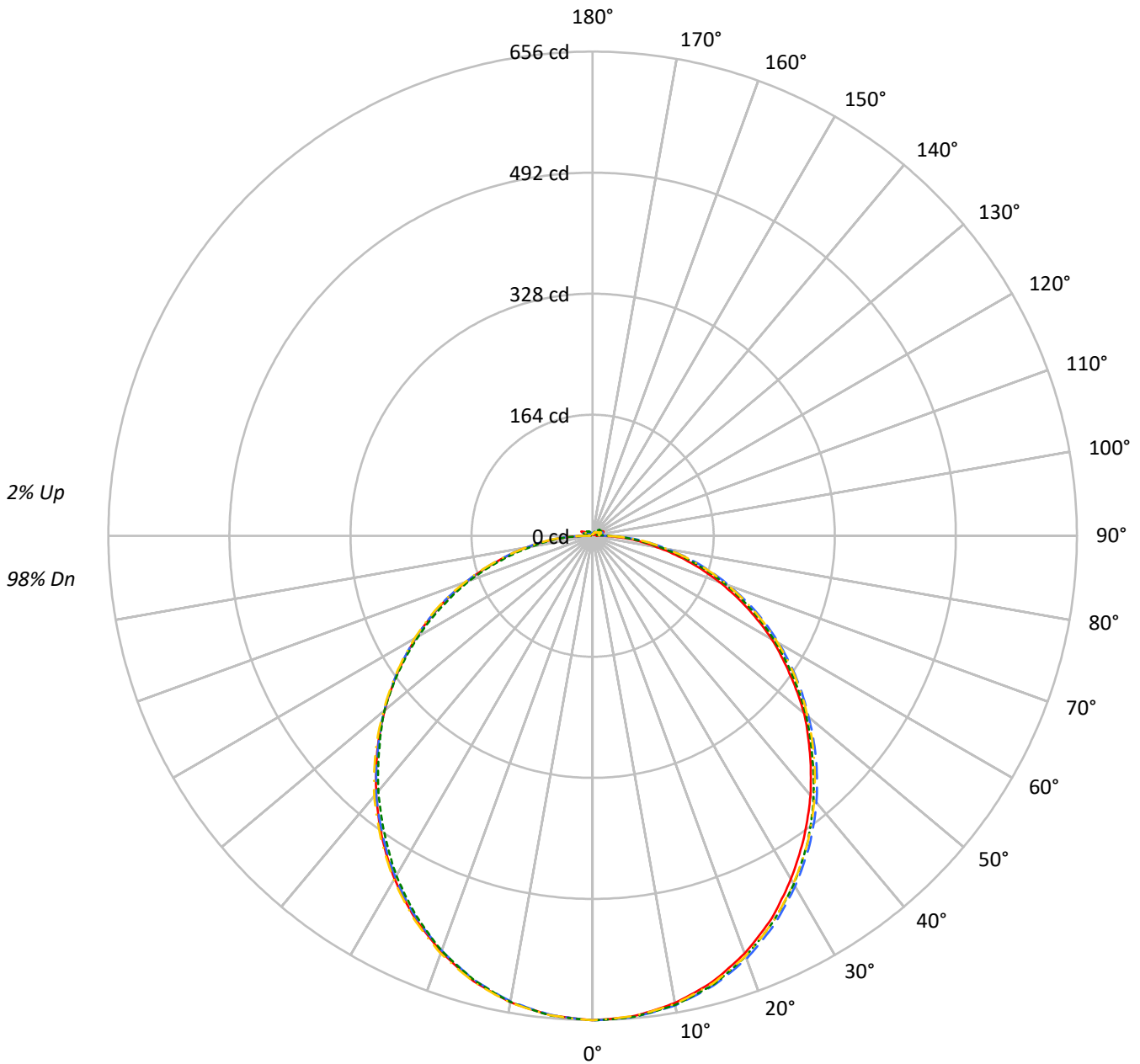
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1915.0 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 3.9' 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°	1970	1970	1970	1970
5°	1968	1971	1964	1966
10°	1959	1966	1956	1955
15°	1945	1957	1940	1935
20°	1923	1936	1915	1910
25°	1897	1912	1890	1878
30°	1861	1888	1860	1842
35°	1829	1859	1825	1802
40°	1798	1824	1787	1769
45°	1766	1784	1751	1735
50°	1745	1762	1717	1719
55°	1704	1731	1685	1676
60°	1682	1708	1657	1636
65°	1640	1689	1632	1588
70°	1600	1672	1593	1554
75°	1552	1654	1546	1484
80°	1524	1654	1561	1436
85°	1763	1908	1715	1612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.0	3.2
10°-20°	176.5	9.2
20°-30°	264.4	13.8
30°-40°	314.2	16.4
40°-50°	322.5	16.8
50°-60°	293.5	15.3
60°-70°	232.0	12.1
70°-80°	147.2	7.7
80°-90°	57.7	3.0
90°-100°	6.3	0.3
100°-110°	11.5	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
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0°-30°	502.9	26.3
0°-40°	817.0	42.7
0°-60°	1433.1	74.8
0°-90°	1869.9	97.6
90°-120°	28.7	1.5
90°-150°	42.4	2.2
90°-180°	45.0	2.3
0°-180°	1915.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	656	656	656	656	656	
5°	653	654	652	652	653	62
15°	626	630	624	623	626	176
25°	573	578	571	567	573	264
35°	499	508	498	492	499	312
45°	416	420	412	409	416	322
55°	326	331	322	320	326	292
65°	231	238	230	224	231	229
75°	134	143	133	128	134	142
85°	51	55	50	47	51	49
90°	6	19	4	4	6	9
95°	5	6	2	2	5	4
105°	14	13	12	13	14	13
115°	15	14	12	10	15	14
125°	4	13	4	10	4	5
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°	656.4	656.4	656.4	656.4	656.4	656.4	656.4	656.4	656.4	656.4	656.4
5°	653.1	650.8	654.3	655.8	654.2	651.6	652.9	653.9	651.9	649.3	651.5
10°	642.7	641.9	646.0	647.7	645.2	643.2	644.0	644.7	641.7	638.5	640.5
15°	626.0	626.0	631.2	632.3	629.9	627.2	627.9	628.0	624.5	621.1	622.4
20°	602.2	603.9	609.7	611.3	606.2	605.2	605.9	604.6	599.7	598.3	598.0
25°	572.9	575.5	581.7	583.9	577.5	577.8	577.4	575.6	570.7	569.0	568.9
30°	537.0	543.7	548.4	550.9	544.9	545.8	544.0	542.7	536.7	534.4	534.4
35°	499.2	505.1	512.3	513.3	507.5	507.3	507.7	504.5	498.0	495.9	495.9
40°	459.0	465.2	471.8	473.5	465.5	466.2	467.1	462.5	456.0	455.5	456.2
45°	416.2	421.7	428.0	429.3	420.4	424.4	424.2	419.1	412.5	412.0	411.5
50°	373.8	377.7	382.1	384.5	377.3	379.4	379.9	376.4	367.7	368.7	368.7
55°	325.7	332.3	337.3	339.3	330.9	333.2	335.9	330.9	322.0	322.1	323.0
60°	280.2	285.0	291.5	294.2	284.6	288.3	289.1	284.4	276.0	276.1	276.4
65°	231.0	236.2	244.5	245.9	237.8	241.8	241.9	238.5	229.8	229.5	231.0
70°	182.3	190.2	196.2	196.7	190.5	193.2	194.1	191.7	181.5	182.7	182.8
75°	133.8	142.7	149.7	148.6	142.6	147.1	147.4	141.7	133.3	135.5	135.1
80°	88.2	97.1	101.8	101.6	95.7	101.1	101.5	95.7	90.3	91.0	90.3
85°	51.2	57.1	62.2	62.4	55.4	59.6	60.5	56.7	49.8	52.1	52.7
90°	6.3	10.8	15.7	22.1	18.6	17.6	16.4	8.9	4.3	3.9	3.8
95°	5.0	4.7	4.1	5.6	5.7	4.7	2.9	2.5	2.2	2.6	2.6
100°	4.3	4.2	6.6	5.7	4.1	7.5	4.0	2.2	2.0	2.6	10.7
105°	13.8	13.4	14.1	11.2	13.4	11.6	12.0	11.8	12.3	13.1	12.9
110°	15.7	14.5	13.9	12.6	14.3	11.2	12.1	13.6	16.4	13.0	10.0
115°	14.8	13.8	10.7	12.4	13.8	11.7	11.2	11.6	12.2	10.1	6.2
120°	9.7	9.4	7.9	11.4	13.0	11.1	8.0	9.4	8.8	7.6	4.6
125°	4.3	4.8	7.9	11.1	12.6	10.4	8.1	5.0	3.6	4.5	4.6
130°	1.7	4.5	7.5	10.7	12.2	10.0	7.8	4.0	1.4	4.3	4.7
135°	1.8	4.4	6.7	9.9	10.8	8.7	6.5	3.9	1.3	4.1	4.1
140°	1.7	4.0	5.7	7.5	8.9	7.3	5.8	3.6	1.4	3.8	5.6
145°	1.8	3.7	5.1	6.3	7.6	6.4	5.9	3.3	1.5	3.4	6.0
150°	1.8	3.5	4.5	6.0	6.5	5.6	5.2	3.0	1.5	3.1	5.3
155°	1.7	3.1	4.2	5.3	6.1	5.0	4.2	2.9	1.5	2.7	4.0
160°	1.8	2.6	3.3	4.1	3.2	3.9	3.1	2.4	1.4	2.3	3.2
165°	1.8	2.2	2.5	2.7	2.8	2.2	2.4	2.0	1.7	2.0	2.7
170°	1.5	2.0	2.1	2.2	2.9	2.1	2.1	1.8	1.5	1.8	2.2
175°	2.0	2.1	2.0	2.3	2.4	2.2	2.0	1.8	1.5	1.4	1.7
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°	656.4	656.4	656.4	656.4	656.4	656.4
5°	652.6	652.5	649.8	652.1	653.4	653.1
10°	640.9	641.4	638.7	642.3	643.7	642.7
15°	622.2	622.7	621.2	625.2	626.8	626.0
20°	598.5	598.1	597.9	602.2	603.4	602.2
25°	568.4	567.0	568.4	572.7	574.5	572.9
30°	533.1	531.6	534.3	538.4	541.4	537.0
35°	493.5	491.8	497.1	500.3	502.8	499.2
40°	452.4	451.5	455.6	460.2	460.5	459.0
45°	408.7	408.7	410.4	416.1	415.7	416.2
50°	364.7	368.1	366.9	370.1	372.4	373.8
55°	320.8	320.4	323.0	324.3	326.9	325.7
60°	274.0	272.6	275.6	278.6	279.7	280.2
65°	226.6	223.6	226.8	232.4	231.5	231.0
70°	177.9	177.1	179.3	184.0	183.6	182.3
75°	131.5	128.0	133.5	136.3	135.6	133.8
80°	86.2	83.1	88.5	90.7	90.5	88.2
85°	49.2	46.8	50.3	53.1	53.2	51.2
90°	3.5	3.6	4.2	5.4	5.8	6.3
95°	5.3	1.7	4.0	3.4	4.6	5.0
100°	10.4	8.7	9.8	9.6	4.4	4.3
105°	10.3	12.7	10.8	13.4	13.7	13.8
110°	8.9	11.3	9.3	11.4	13.2	15.7
115°	8.0	10.5	8.8	8.4	12.1	14.8
120°	7.9	10.1	8.0	5.4	8.4	9.7
125°	7.5	9.5	7.5	5.2	4.0	4.3
130°	6.6	8.9	6.6	4.6	3.6	1.7
135°	5.9	7.7	5.2	4.1	3.4	1.8
140°	4.8	7.5	4.6	4.7	3.2	1.7
145°	5.7	6.3	5.8	4.7	3.1	1.8
150°	5.8	6.2	5.7	4.4	2.8	1.8
155°	4.6	5.6	3.7	3.6	2.4	1.7
160°	3.5	3.1	3.2	3.1	2.3	1.8
165°	2.8	2.8	2.7	2.7	2.0	1.8
170°	2.6	2.7	2.6	2.2	1.9	1.5
175°	1.9	2.3	2.0	2.0	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)