

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: P855681

Luminaire Tested: **14SFS-L3C4-UNV-LOW-4000K**

Issue Date: 7/17/2024

**Test Information**

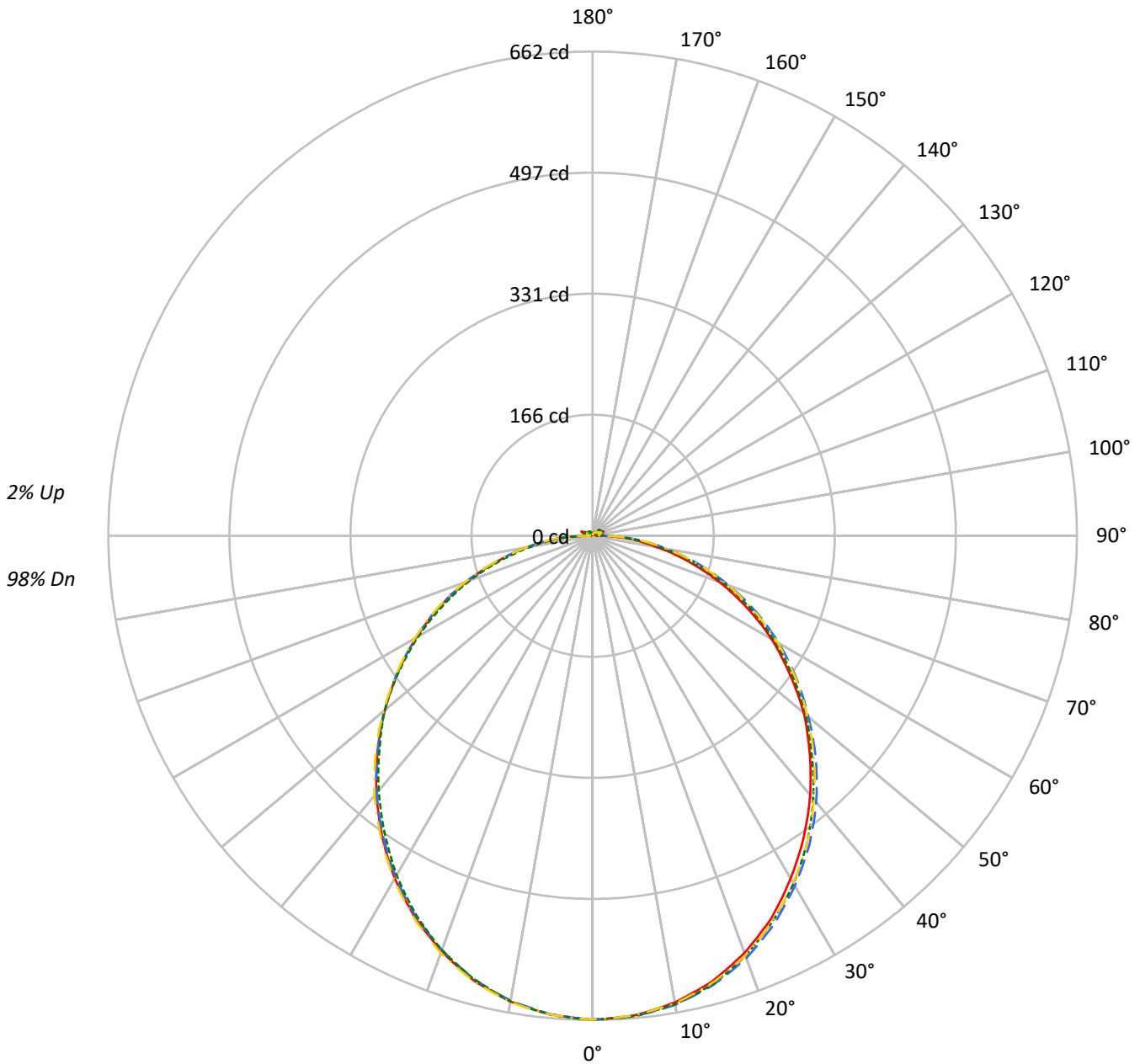
Test Method: LM-79-08  
Report Number: P855681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( BL231218003-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14SFS-L3C4-UNV-LOW-4000K  
Description: 1x4 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: 1930.0 lumens  
Efficiency: N/A  
Efficacy: 128.7 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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CATALOG NUMBER: 14SFS-L3C4-UNV-LOW-4000K

### 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°	1986	1986	1986	1986
5°	1983	1986	1979	1981
10°	1974	1982	1971	1970
15°	1960	1973	1956	1950
20°	1938	1951	1930	1925
25°	1912	1928	1905	1892
30°	1876	1903	1874	1857
35°	1844	1874	1839	1816
40°	1812	1838	1801	1783
45°	1781	1798	1764	1748
50°	1759	1776	1730	1732
55°	1718	1745	1698	1690
60°	1694	1721	1670	1649
65°	1653	1702	1645	1601
70°	1612	1685	1606	1566
75°	1563	1666	1557	1496
80°	1536	1668	1573	1448
85°	1777	1921	1729	1625



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	3.2
10°-20°	177.9	9.2
20°-30°	266.5	13.8
30°-40°	316.6	16.4
40°-50°	325.1	16.8
50°-60°	295.8	15.3
60°-70°	233.8	12.1
70°-80°	148.3	7.7
80°-90°	58.1	3.0
90°-100°	6.4	0.3
100°-110°	11.6	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°	506.8	26.3
0°-40°	823.5	42.7
0°-60°	1444.3	74.8
0°-90°	1884.6	97.6
90°-120°	28.9	1.5
90°-150°	42.8	2.2
90°-180°	45.0	2.3
0°-180°	1930.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	662	662	662	662	662	
5°	658	659	657	658	658	63
15°	631	635	629	628	631	178
25°	577	582	575	572	577	266
35°	503	512	502	496	503	315
45°	420	424	416	412	420	324
55°	328	334	325	323	328	294
65°	233	240	232	225	233	231
75°	135	144	134	129	135	143
85°	52	56	50	47	52	49
90°	6	19	4	4	6	9
95°	5	6	2	2	5	4
105°	14	14	12	13	14	13
115°	15	14	12	11	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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CATALOG NUMBER: 14SFS-L3C4-UNV-LOW-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
5°	658.3	655.9	659.4	661.0	659.3	656.7	658.1	659.0	657.0	654.4	656.6
10°	647.8	646.9	651.1	652.7	650.3	648.3	649.0	649.7	646.7	643.5	645.5
15°	630.9	630.9	636.1	637.3	634.9	632.1	632.8	632.9	629.4	625.9	627.3
20°	606.9	608.7	614.5	616.1	611.0	609.9	610.6	609.3	604.4	603.0	602.6
25°	577.4	580.0	586.2	588.5	582.1	582.4	582.0	580.1	575.2	573.4	573.3
30°	541.2	548.0	552.7	555.2	549.2	550.0	548.3	546.9	540.9	538.6	538.6
35°	503.2	509.1	516.4	517.3	511.5	511.3	511.7	508.5	501.9	499.8	499.8
40°	462.6	468.8	475.5	477.2	469.2	469.9	470.7	466.1	459.6	459.1	459.8
45°	419.5	425.0	431.3	432.7	423.7	427.7	427.5	422.4	415.7	415.2	414.7
50°	376.7	380.7	385.1	387.6	380.3	382.4	382.9	379.3	370.6	371.5	371.5
55°	328.3	335.0	339.9	341.9	333.5	335.8	338.5	333.5	324.6	324.7	325.5
60°	282.3	287.2	293.8	296.5	286.8	290.6	291.4	286.6	278.2	278.3	278.6
65°	232.8	238.1	246.4	247.8	239.6	243.7	243.8	240.4	231.6	231.3	232.8
70°	183.7	191.7	197.7	198.2	192.0	194.7	195.6	193.2	183.0	184.1	184.2
75°	134.8	143.8	150.8	149.8	143.7	148.2	148.6	142.8	134.3	136.6	136.2
80°	88.9	97.8	102.6	102.4	96.5	101.9	102.3	96.5	91.0	91.7	91.0
85°	51.6	57.6	62.7	62.9	55.8	60.1	61.0	57.2	50.2	52.5	53.1
90°	6.3	10.9	15.8	22.2	18.7	17.8	16.5	8.9	4.4	4.0	3.8
95°	5.0	4.8	4.2	5.6	5.7	4.8	2.9	2.5	2.2	2.6	2.6
100°	4.4	4.3	6.7	5.7	4.2	7.6	4.1	2.2	2.0	2.6	10.8
105°	13.9	13.5	14.2	11.3	13.5	11.6	12.1	11.9	12.4	13.2	13.0
110°	15.8	14.7	14.0	12.7	14.5	11.3	12.2	13.7	16.5	13.1	10.1
115°	14.9	13.9	10.8	12.5	13.9	11.7	11.3	11.6	12.3	10.2	6.2
120°	9.8	9.5	8.0	11.5	13.1	11.2	8.1	9.5	8.8	7.7	4.7
125°	4.4	4.9	8.0	11.2	12.7	10.5	8.2	5.0	3.6	4.6	4.7
130°	1.7	4.6	7.6	10.8	12.3	10.1	7.9	4.1	1.5	4.4	4.8
135°	1.8	4.5	6.8	10.0	10.9	8.7	6.5	4.0	1.4	4.2	4.2
140°	1.7	4.1	5.7	7.6	8.9	7.4	5.8	3.6	1.5	3.8	5.6
145°	1.8	3.7	5.1	6.3	7.7	6.4	5.9	3.3	1.6	3.4	6.0
150°	1.8	3.5	4.6	6.0	6.5	5.6	5.2	3.0	1.6	3.1	5.3
155°	1.7	3.1	4.3	5.3	6.1	5.0	4.3	2.9	1.6	2.7	4.1
160°	1.8	2.6	3.3	4.2	3.2	4.0	3.1	2.4	1.5	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°	1.6	2.0	2.1	2.2	2.9	2.1	2.1	1.8	1.6	1.8	2.2
175°	2.0	2.1	2.0	2.3	2.4	2.2	2.0	1.8	1.6	1.5	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°	661.6	661.6	661.6	661.6	661.6	661.6
5°	657.7	657.6	654.9	657.2	658.5	658.3
10°	645.9	646.4	643.7	647.3	648.7	647.8
15°	627.1	627.6	626.0	630.1	631.8	630.9
20°	603.2	602.7	602.5	606.9	608.2	606.9
25°	572.8	571.5	572.8	577.2	579.0	577.4
30°	537.3	535.8	538.5	542.7	545.7	541.2
35°	497.3	495.7	501.0	504.2	506.7	503.2
40°	456.0	455.0	459.2	463.8	464.1	462.6
45°	411.9	411.9	413.6	419.4	418.9	419.5
50°	367.6	371.0	369.8	373.0	375.3	376.7
55°	323.3	322.9	325.5	326.8	329.4	328.3
60°	276.1	274.8	277.8	280.8	281.9	282.3
65°	228.4	225.4	228.6	234.2	233.3	232.8
70°	179.3	178.5	180.7	185.5	185.0	183.7
75°	132.5	129.0	134.5	137.3	136.7	134.8
80°	86.9	83.8	89.2	91.4	91.2	88.9
85°	49.6	47.2	50.7	53.5	53.6	51.6
90°	3.5	3.6	4.3	5.4	5.8	6.3
95°	5.3	1.7	4.1	3.4	4.7	5.0
100°	10.5	8.7	9.9	9.7	4.5	4.4
105°	10.4	12.8	10.9	13.5	13.8	13.9
110°	8.9	11.4	9.4	11.5	13.3	15.8
115°	8.1	10.6	8.8	8.4	12.2	14.9
120°	8.0	10.2	8.1	5.4	8.4	9.8
125°	7.6	9.6	7.6	5.2	4.1	4.4
130°	6.7	8.9	6.7	4.7	3.6	1.7
135°	5.9	7.8	5.2	4.2	3.4	1.8
140°	4.9	7.6	4.7	4.8	3.2	1.7
145°	5.7	6.3	5.8	4.8	3.1	1.8
150°	5.8	6.2	5.7	4.5	2.8	1.8
155°	4.7	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	1.6
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)