

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: P855674

Luminaire Tested: **14SFS-L3C4-NUV-MED-5000K**

Issue Date: 7/17/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P855674  
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-NUV-MED-5000K  
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,  
MED Lumen and 5000K CCT Settings  
Light Source: -  
Ballast/Driver: -

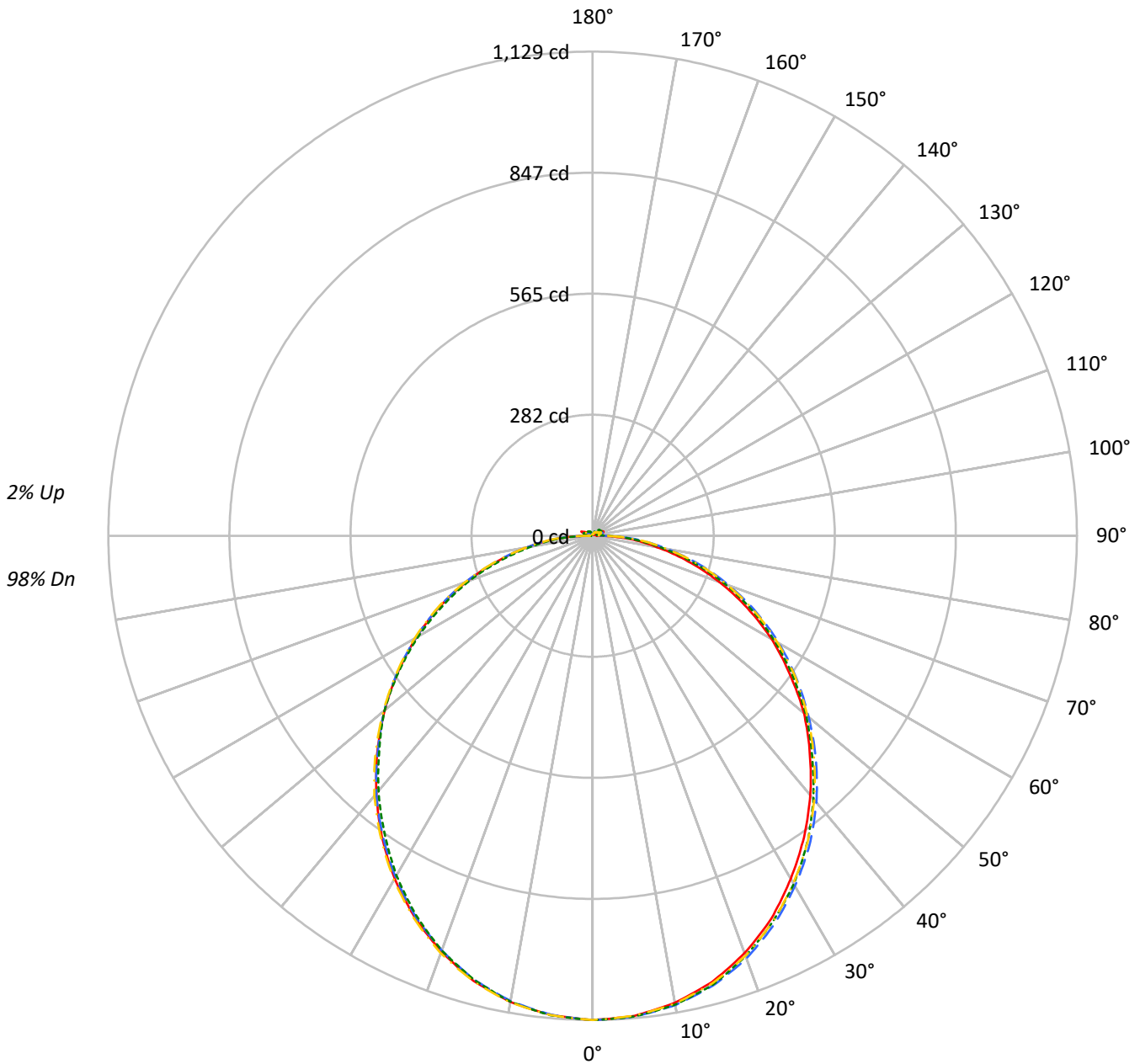
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3294.0 lumens  
Efficiency: N/A  
Efficacy: 131.8 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): 25  
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									
RC	80									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°	3389	3389	3389	3389
5°	3385	3390	3378	3381
10°	3369	3382	3364	3362
15°	3346	3367	3338	3328
20°	3308	3330	3295	3285
25°	3263	3290	3251	3230
30°	3201	3249	3199	3169
35°	3146	3198	3138	3100
40°	3093	3137	3073	3043
45°	3039	3070	3011	2984
50°	3002	3030	2953	2956
55°	2932	2978	2898	2884
60°	2893	2938	2850	2815
65°	2821	2904	2807	2732
70°	2751	2876	2740	2673
75°	2668	2843	2658	2553
80°	2622	2847	2682	2472
85°	3030	3282	2951	2775



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.6	3.2
10°-20°	303.6	9.2
20°-30°	454.8	13.8
30°-40°	540.4	16.4
40°-50°	554.8	16.8
50°-60°	504.8	15.3
60°-70°	399.0	12.1
70°-80°	253.2	7.7
80°-90°	99.2	3.0
90°-100°	10.9	0.3
100°-110°	19.9	0.6
110°-120°	18.6	0.6
120°-130°	11.2	0.3
130°-140°	7.4	0.2
140°-150°	5.1	0.2
150°-160°	3.0	0.1
160°-170°	1.2	0.0
170°-180°	0.3	0.0
0°-30°	865.0	26.3
0°-40°	1405.4	42.7
0°-60°	2465.0	74.8
0°-90°	3216.4	97.6
90°-120°	49.3	1.5
90°-150°	73.1	2.2
90°-180°	78.0	2.4
0°-180°	3294.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1129	1129	1129	1129	1129	
5°	1124	1125	1121	1122	1124	107
15°	1077	1084	1074	1071	1077	304
25°	985	993	982	975	985	454
35°	859	873	857	846	859	538
45°	716	723	710	703	716	553
55°	560	569	554	551	560	503
65°	397	409	395	385	397	394
75°	230	245	229	220	230	244
85°	88	95	86	81	88	84
90°	11	32	8	6	11	16
95°	8	10	4	3	8	7
105°	24	23	21	22	24	22
115°	25	24	21	18	25	24
125°	8	22	6	16	8	8
135°	3	19	2	13	3	2
145°	3	13	3	11	3	2
155°	3	10	3	10	3	1
165°	3	5	3	5	3	1
175°	3	4	3	4	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
5°	1123.5	1119.4	1125.4	1128.1	1125.2	1120.8	1123.1	1124.7	1121.3	1116.9	1120.6
10°	1105.6	1104.1	1111.2	1114.1	1109.8	1106.4	1107.7	1108.9	1103.8	1098.3	1101.7
15°	1076.8	1076.8	1085.7	1087.6	1083.6	1078.8	1080.0	1080.2	1074.2	1068.3	1070.6
20°	1035.8	1038.8	1048.8	1051.4	1042.7	1041.0	1042.2	1039.9	1031.6	1029.1	1028.6
25°	985.4	989.9	1000.5	1004.4	993.4	994.0	993.2	990.0	981.7	978.7	978.5
30°	923.7	935.2	943.4	947.6	937.4	938.8	935.8	933.5	923.2	919.3	919.3
35°	858.8	868.9	881.3	882.9	872.9	872.6	873.3	867.8	856.6	853.1	853.1
40°	789.6	800.2	811.6	814.4	800.7	802.0	803.4	795.6	784.4	783.5	784.8
45°	715.9	725.3	736.1	738.5	723.2	729.9	729.6	720.9	709.5	708.6	707.8
50°	643.0	649.7	657.2	661.5	649.0	652.6	653.5	647.4	632.5	634.1	634.1
55°	560.3	571.7	580.2	583.6	569.2	573.1	577.7	569.2	553.9	554.1	555.5
60°	481.9	490.2	501.4	506.0	489.5	495.9	497.3	489.2	474.8	475.0	475.5
65°	397.3	406.3	420.5	423.0	409.0	415.9	416.1	410.2	395.3	394.8	397.3
70°	313.5	327.2	337.5	338.4	327.7	332.3	333.9	329.7	312.3	314.2	314.4
75°	230.1	245.4	257.4	255.7	245.2	253.0	253.5	243.8	229.2	233.1	232.4
80°	151.7	167.0	175.1	174.8	164.7	173.9	174.6	164.7	155.2	156.5	155.2
85°	88.0	98.3	107.0	107.3	95.3	102.6	104.2	97.6	85.7	89.6	90.7
90°	10.8	18.6	27.0	38.0	31.9	30.3	28.2	15.3	7.5	6.7	6.6
95°	8.5	8.2	7.1	9.6	9.8	8.2	5.0	4.3	3.7	4.4	4.4
100°	7.5	7.3	11.4	9.8	7.1	13.0	6.9	3.7	3.4	4.4	18.5
105°	23.8	23.1	24.3	19.3	23.1	19.9	20.6	20.2	21.1	22.5	22.2
110°	27.0	25.0	24.0	21.6	24.7	19.3	20.8	23.4	28.2	22.4	17.2
115°	25.4	23.8	18.5	21.3	23.8	20.0	19.3	19.9	20.9	17.4	10.6
120°	16.7	16.1	13.7	19.7	22.4	19.2	13.8	16.1	15.1	13.1	8.0
125°	7.5	8.3	13.7	19.2	21.6	17.9	14.0	8.5	6.2	7.8	8.0
130°	2.8	7.8	13.0	18.5	20.9	17.2	13.5	6.9	2.5	7.5	8.2
135°	3.0	7.6	11.5	17.0	18.6	14.9	11.2	6.7	2.3	7.1	7.1
140°	2.8	6.9	9.8	13.0	15.3	12.6	9.9	6.2	2.5	6.6	9.6
145°	3.0	6.4	8.7	10.8	13.1	11.0	10.1	5.7	2.7	5.9	10.3
150°	3.0	6.0	7.8	10.3	11.2	9.6	8.9	5.1	2.7	5.3	9.0
155°	2.8	5.3	7.3	9.0	10.5	8.5	7.3	5.0	2.7	4.6	6.9
160°	3.0	4.4	5.7	7.1	5.5	6.7	5.3	4.1	2.5	3.9	5.5
165°	3.0	3.7	4.3	4.6	4.8	3.7	4.1	3.4	2.8	3.4	4.6
170°	2.7	3.4	3.5	3.7	5.0	3.5	3.5	3.0	2.7	3.0	3.7
175°	3.4	3.5	3.4	3.9	4.1	3.7	3.4	3.0	2.7	2.5	2.8
180°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
5°	1122.6	1122.4	1117.8	1121.7	1123.8	1123.5
10°	1102.4	1103.2	1098.6	1104.8	1107.2	1105.6
15°	1070.2	1071.1	1068.5	1075.4	1078.2	1076.8
20°	1029.4	1028.7	1028.4	1035.8	1038.0	1035.8
25°	977.6	975.3	977.6	985.1	988.3	985.4
30°	916.9	914.5	919.1	926.2	931.3	923.7
35°	848.8	846.0	855.0	860.5	864.8	858.8
40°	778.2	776.6	783.7	791.5	792.0	789.6
45°	703.0	703.0	706.0	715.7	715.0	715.9
50°	627.4	633.2	631.1	636.6	640.5	643.0
55°	551.8	551.1	555.5	557.8	562.3	560.3
60°	471.2	468.9	474.1	479.2	481.2	481.9
65°	389.8	384.7	390.2	399.7	398.1	397.3
70°	306.1	304.6	308.4	316.5	315.8	313.5
75°	226.2	220.2	229.6	234.4	233.3	230.1
80°	148.3	143.0	152.2	156.0	155.6	151.7
85°	84.6	80.6	86.6	91.4	91.6	88.0
90°	6.0	6.2	7.3	9.2	9.9	10.8
95°	9.0	2.8	6.9	5.9	8.0	8.5
100°	17.9	14.9	16.9	16.5	7.6	7.5
105°	17.7	21.8	18.6	23.1	23.6	23.8
110°	15.3	19.5	16.0	19.7	22.7	27.0
115°	13.8	18.1	15.1	14.4	20.8	25.4
120°	13.7	17.4	13.8	9.2	14.4	16.7
125°	13.0	16.3	13.0	8.9	6.9	7.5
130°	11.4	15.3	11.4	8.0	6.2	2.8
135°	10.1	13.3	8.9	7.1	5.9	3.0
140°	8.3	13.0	8.0	8.2	5.5	2.8
145°	9.8	10.8	9.9	8.2	5.3	3.0
150°	9.9	10.6	9.8	7.6	4.8	3.0
155°	8.0	9.6	6.4	6.2	4.1	2.8
160°	6.0	5.3	5.5	5.3	3.9	3.0
165°	4.8	4.8	4.6	4.6	3.4	3.0
170°	4.4	4.6	4.4	3.7	3.2	2.7
175°	3.2	3.9	3.4	3.4	3.4	3.4
180°	3.2	3.2	3.2	3.2	3.2	3.2



Report Generated By 670246072 / DESKTOP-50001EG







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









(END OF REPORT)