

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: P855683

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

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855683
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-MED-3000K
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,
MED Lumen and 3000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

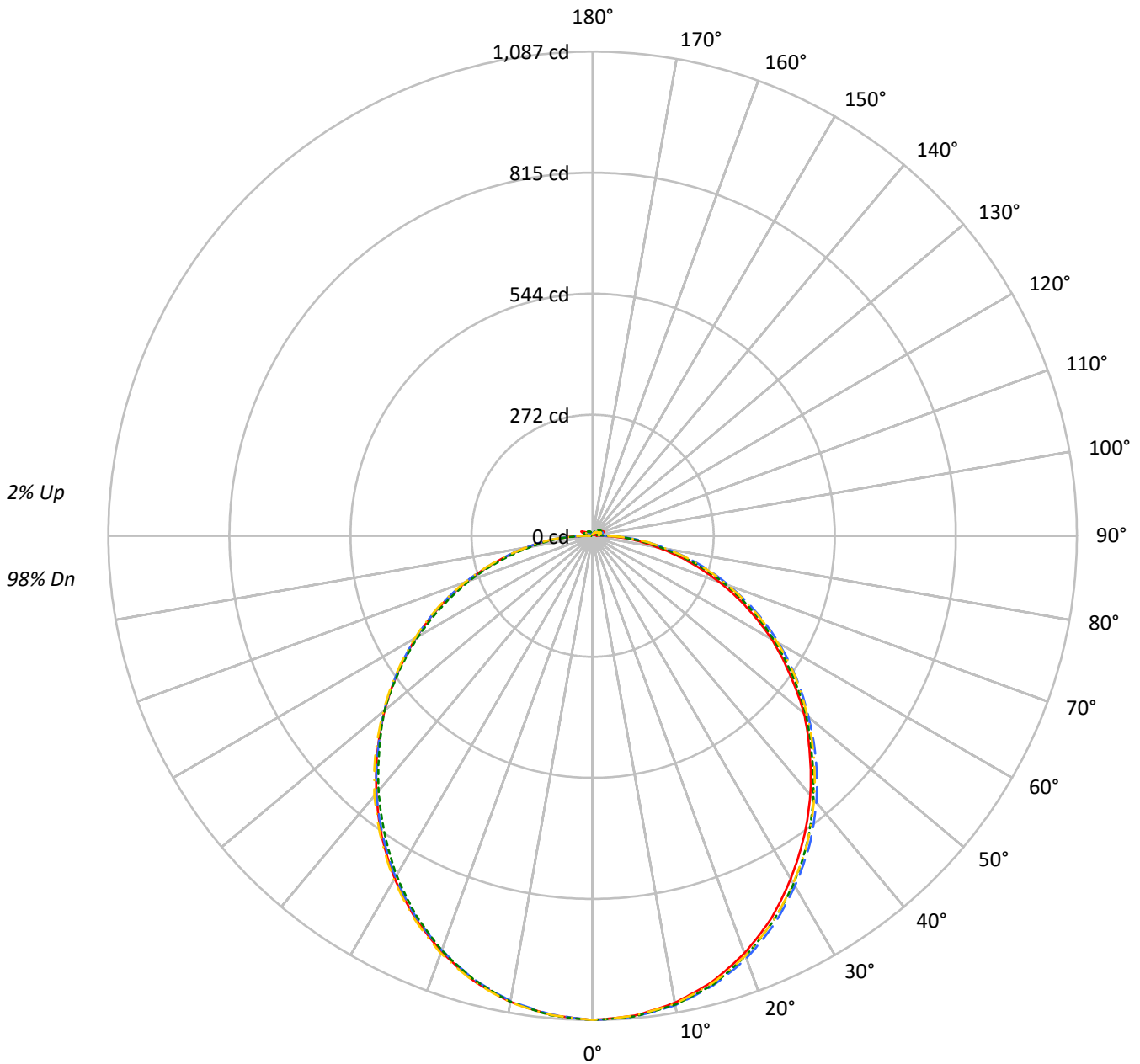
Lumens per Lamp: N/A
Luminaire Lumens: 3171.0 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.9' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): 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°	3262	3262	3262	3262
5°	3258	3263	3252	3255
10°	3243	3256	3238	3237
15°	3221	3241	3213	3204
20°	3185	3206	3171	3163
25°	3141	3167	3130	3109
30°	3082	3127	3080	3051
35°	3029	3079	3021	2984
40°	2978	3020	2958	2929
45°	2925	2955	2899	2872
50°	2890	2917	2843	2846
55°	2822	2867	2790	2776
60°	2785	2828	2744	2709
65°	2716	2796	2702	2630
70°	2648	2768	2638	2574
75°	2568	2737	2559	2458
80°	2523	2739	2584	2380
85°	2917	3158	2841	2669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	3.2
10°-20°	292.3	9.2
20°-30°	437.8	13.8
30°-40°	520.2	16.4
40°-50°	534.1	16.8
50°-60°	486.0	15.3
60°-70°	384.1	12.1
70°-80°	243.7	7.7
80°-90°	95.5	3.0
90°-100°	10.5	0.3
100°-110°	19.1	0.6
110°-120°	17.9	0.6
120°-130°	10.8	0.3
130°-140°	7.2	0.2
140°-150°	5.0	0.2
150°-160°	2.9	0.1
160°-170°	1.2	0.0
170°-180°	0.3	0.0
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0°-30°	832.7	26.3
0°-40°	1352.9	42.7
0°-60°	2372.9	74.8
0°-90°	3096.3	97.6
90°-120°	47.5	1.5
90°-150°	70.3	2.2
90°-180°	75.0	2.4
0°-180°	3171.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1087	1087	1087	1087	1087	
5°	1082	1083	1080	1080	1082	103
15°	1037	1043	1034	1031	1037	292
25°	949	956	945	939	949	437
35°	827	840	825	814	827	517
45°	689	696	683	677	689	533
55°	539	548	533	530	539	484
65°	382	394	380	370	382	379
75°	222	236	221	212	222	235
85°	85	92	82	78	85	81
90°	10	31	7	6	10	16
95°	8	9	4	3	8	7
105°	23	22	20	21	23	21
115°	24	23	20	17	24	23
125°	7	21	6	16	7	8
135°	3	18	2	13	3	2
145°	3	13	3	10	3	2
155°	3	10	3	9	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°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
5°	1081.5	1077.6	1083.4	1086.0	1083.2	1079.0	1081.2	1082.7	1079.5	1075.2	1078.8
10°	1064.3	1062.9	1069.7	1072.5	1068.4	1065.1	1066.3	1067.5	1062.6	1057.3	1060.5
15°	1036.6	1036.6	1045.1	1047.0	1043.1	1038.5	1039.7	1039.8	1034.0	1028.4	1030.6
20°	997.1	1000.1	1009.6	1012.2	1003.8	1002.1	1003.3	1001.1	993.0	990.7	990.1
25°	948.6	952.9	963.2	966.9	956.3	956.8	956.2	953.1	945.1	942.1	942.0
30°	889.2	900.3	908.2	912.3	902.4	903.7	900.8	898.6	888.7	884.9	884.9
35°	826.7	836.4	848.4	849.9	840.4	840.0	840.7	835.4	824.6	821.2	821.2
40°	760.1	770.3	781.3	784.0	770.8	772.0	773.4	765.9	755.1	754.3	755.5
45°	689.2	698.2	708.7	710.9	696.2	702.7	702.3	694.0	683.0	682.2	681.3
50°	619.0	625.5	632.7	636.8	624.8	628.2	629.1	623.3	608.9	610.4	610.4
55°	539.4	550.3	558.5	561.8	547.9	551.7	556.1	547.9	533.2	533.4	534.8
60°	463.9	471.9	482.7	487.1	471.2	477.4	478.8	470.9	457.1	457.2	457.8
65°	382.4	391.1	404.8	407.2	393.7	400.4	400.5	394.9	380.5	380.0	382.4
70°	301.8	315.0	324.9	325.7	315.5	319.9	321.5	317.4	300.6	302.5	302.7
75°	221.5	236.2	247.8	246.1	236.0	243.6	244.1	234.7	220.7	224.4	223.8
80°	146.0	160.7	168.6	168.2	158.5	167.4	168.1	158.5	149.5	150.6	149.5
85°	84.7	94.6	103.0	103.3	91.7	98.7	100.3	93.9	82.5	86.3	87.3
90°	10.4	17.9	26.0	36.6	30.7	29.2	27.2	14.7	7.2	6.5	6.3
95°	8.2	7.9	6.8	9.2	9.4	7.9	4.8	4.1	3.6	4.3	4.3
100°	7.2	7.0	10.9	9.4	6.8	12.5	6.7	3.6	3.2	4.3	17.8
105°	22.9	22.2	23.4	18.6	22.2	19.1	19.8	19.5	20.3	21.7	21.4
110°	26.0	24.1	23.1	20.8	23.7	18.6	20.0	22.5	27.2	21.5	16.6
115°	24.4	22.9	17.8	20.5	22.9	19.3	18.6	19.1	20.2	16.7	10.2
120°	16.1	15.5	13.2	19.0	21.5	18.4	13.3	15.5	14.5	12.6	7.7
125°	7.2	8.0	13.2	18.4	20.8	17.3	13.5	8.2	6.0	7.5	7.7
130°	2.7	7.5	12.5	17.8	20.2	16.6	13.0	6.7	2.4	7.2	7.9
135°	2.9	7.3	11.1	16.4	17.9	14.3	10.8	6.5	2.2	6.8	6.8
140°	2.7	6.7	9.4	12.5	14.7	12.1	9.6	6.0	2.4	6.3	9.2
145°	2.9	6.1	8.4	10.4	12.6	10.6	9.7	5.5	2.6	5.6	9.9
150°	2.9	5.8	7.5	9.9	10.8	9.2	8.5	5.0	2.6	5.1	8.7
155°	2.7	5.1	7.0	8.7	10.1	8.2	7.0	4.8	2.6	4.4	6.7
160°	2.9	4.3	5.5	6.8	5.3	6.5	5.1	3.9	2.4	3.8	5.3
165°	2.9	3.6	4.1	4.4	4.6	3.6	3.9	3.2	2.7	3.2	4.4
170°	2.6	3.2	3.4	3.6	4.8	3.4	3.4	2.9	2.6	2.9	3.6
175°	3.2	3.4	3.2	3.8	3.9	3.6	3.2	2.9	2.6	2.4	2.7
180°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
5°	1080.7	1080.5	1076.1	1079.8	1081.9	1081.5
10°	1061.2	1062.1	1057.6	1063.6	1065.8	1064.3
15°	1030.3	1031.1	1028.6	1035.2	1038.0	1036.6
20°	991.0	990.3	990.0	997.1	999.2	997.1
25°	941.1	938.9	941.1	948.3	951.4	948.6
30°	882.7	880.3	884.8	891.6	896.5	889.2
35°	817.1	814.4	823.1	828.4	832.5	826.7
40°	749.1	747.6	754.4	762.0	762.5	760.1
45°	676.7	676.7	679.6	689.0	688.3	689.2
50°	604.0	609.6	607.5	612.8	616.6	619.0
55°	531.2	530.5	534.8	537.0	541.3	539.4
60°	453.7	451.4	456.4	461.3	463.2	463.9
65°	375.3	370.3	375.6	384.8	383.3	382.4
70°	294.6	293.3	296.9	304.7	304.0	301.8
75°	217.8	212.0	221.0	225.6	224.6	221.5
80°	142.8	137.7	146.5	150.1	149.8	146.0
85°	81.5	77.5	83.4	88.0	88.1	84.7
90°	5.8	6.0	7.0	8.9	9.6	10.4
95°	8.7	2.7	6.7	5.6	7.7	8.2
100°	17.3	14.3	16.2	15.9	7.3	7.2
105°	17.1	21.0	17.9	22.2	22.7	22.9
110°	14.7	18.8	15.4	19.0	21.9	26.0
115°	13.3	17.4	14.5	13.8	20.0	24.4
120°	13.2	16.7	13.3	8.9	13.8	16.1
125°	12.5	15.7	12.5	8.5	6.7	7.2
130°	10.9	14.7	10.9	7.7	6.0	2.7
135°	9.7	12.8	8.5	6.8	5.6	2.9
140°	8.0	12.5	7.7	7.9	5.3	2.7
145°	9.4	10.4	9.6	7.9	5.1	2.9
150°	9.6	10.2	9.4	7.3	4.6	2.9
155°	7.7	9.2	6.1	6.0	3.9	2.7
160°	5.8	5.1	5.3	5.1	3.8	2.9
165°	4.6	4.6	4.4	4.4	3.2	2.9
170°	4.3	4.4	4.3	3.6	3.1	2.6
175°	3.1	3.8	3.2	3.2	3.2	3.2
180°	3.1	3.1	3.1	3.1	3.1	3.1



Report Generated By 670246072 / DESKTOP-50001EG





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









(END OF REPORT)