

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: P855718

Luminaire Tested: **22SFS-L3C4-NUV-LOW-5000K**

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855718
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-NUV-LOW-5000K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
LOW Lumen and 5000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

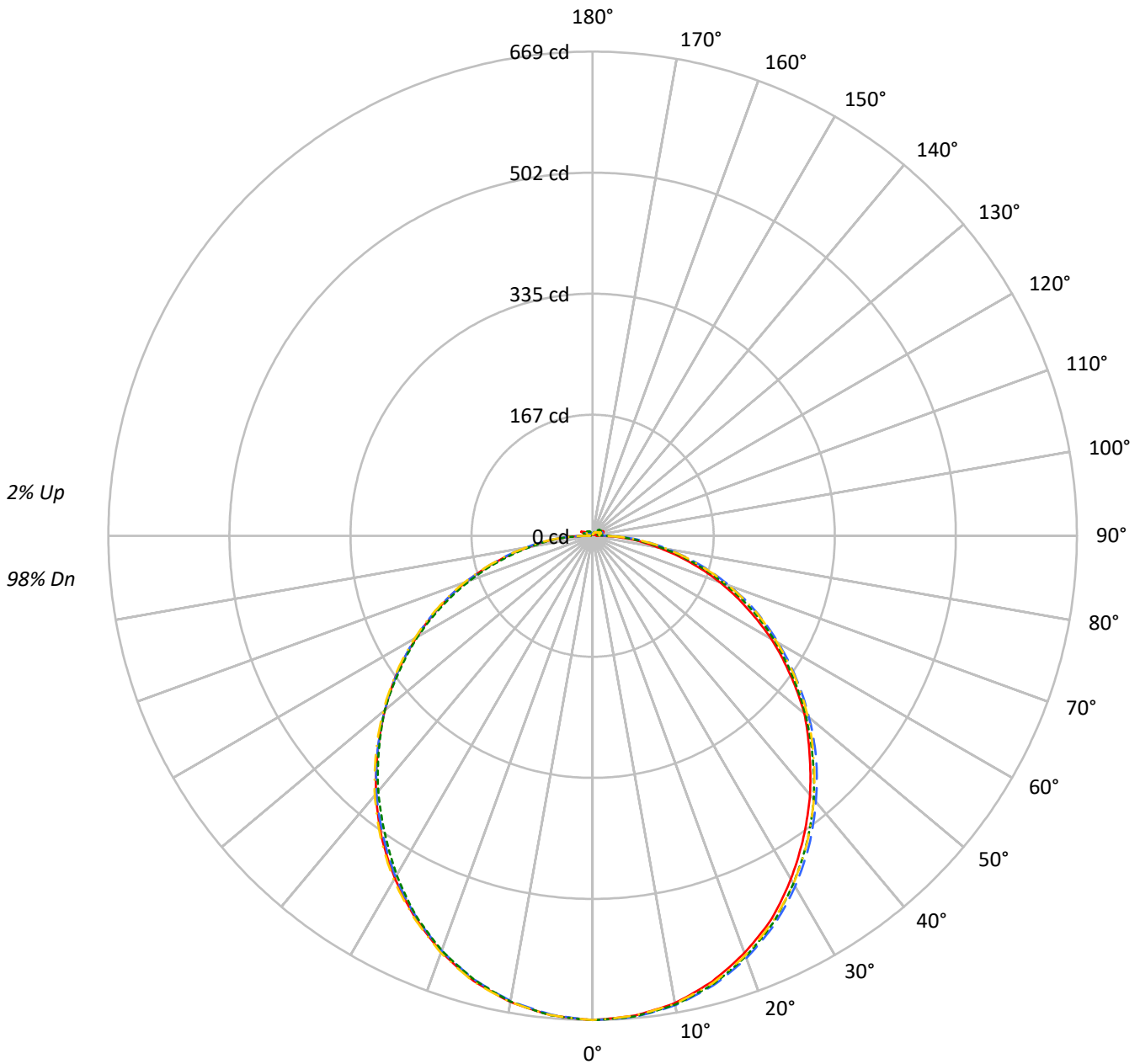
Lumens per Lamp: N/A
Luminaire Lumens: 1952.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): NR
Input Current (A_{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				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°	1004	1004	1004	1004
5°	1002	1004	1001	1002
10°	999	1002	997	996
15°	991	997	989	986
20°	980	988	977	973
25°	968	977	962	958
30°	949	961	947	938
35°	931	946	931	917
40°	915	931	912	903
45°	899	911	891	886
50°	891	896	874	875
55°	870	880	861	853
60°	855	873	842	837
65°	832	863	829	812
70°	818	849	816	789
75°	794	839	792	761
80°	781	850	776	740
85°	892	964	885	832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	3.2
10°-20°	179.9	9.2
20°-30°	269.5	13.8
30°-40°	320.2	16.4
40°-50°	328.7	16.8
50°-60°	299.0	15.3
60°-70°	236.5	12.1
70°-80°	150.1	7.7
80°-90°	58.9	3.0
90°-100°	6.4	0.3
100°-110°	11.8	0.6
110°-120°	11.0	0.6
120°-130°	6.6	0.3
130°-140°	4.4	0.2
140°-150°	3.1	0.2
150°-160°	1.8	0.1
160°-170°	0.7	0.0
170°-180°	0.2	0.0
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0°-30°	512.5	26.3
0°-40°	832.7	42.7
0°-60°	1460.5	74.8
0°-90°	1905.9	97.6
90°-120°	29.3	1.5
90°-150°	43.4	2.2
90°-180°	46.0	2.4
0°-180°	1952.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	669	669	669	669	669	
5°	666	667	665	665	666	63
15°	638	642	636	634	638	180
25°	585	590	581	578	585	269
35°	508	516	508	501	508	318
45°	424	429	420	417	424	328
55°	333	336	329	326	333	298
65°	234	243	234	229	234	233
75°	137	145	137	131	137	145
85°	52	56	51	48	52	50
90°	6	17	5	4	6	10
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	



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CATALOG NUMBER: 22SFS-L3C4-NUV-LOW-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
5°	665.5	663.4	667.1	668.7	666.7	664.0	665.4	666.6	664.8	661.8	664.0
10°	655.6	654.1	658.6	659.9	657.7	655.0	656.5	656.8	654.1	651.3	652.7
15°	637.7	637.9	643.4	644.8	641.7	638.9	640.0	639.7	636.5	633.6	634.3
20°	613.4	615.6	621.2	622.8	618.5	617.0	617.0	616.1	611.7	609.3	610.0
25°	584.7	587.0	593.4	594.6	590.1	588.5	588.2	587.4	581.3	579.3	579.3
30°	547.8	553.5	559.6	561.9	554.7	554.5	555.1	552.5	546.4	545.3	544.4
35°	508.1	515.5	521.7	523.7	516.5	517.4	516.7	513.5	508.3	506.2	505.0
40°	467.1	474.8	479.8	480.5	475.2	475.8	475.3	472.1	465.6	465.3	464.6
45°	423.5	430.4	437.0	437.0	429.4	431.5	431.5	428.0	419.8	419.3	420.3
50°	381.8	384.2	390.2	390.9	383.9	386.1	388.0	383.0	374.3	375.1	375.0
55°	332.6	339.3	343.1	346.4	336.5	340.4	341.6	336.7	329.2	327.7	328.5
60°	284.8	291.2	296.2	299.0	290.8	293.0	294.0	290.8	280.7	280.8	282.6
65°	234.4	241.4	249.9	250.0	243.1	245.7	248.9	242.3	233.5	234.8	234.5
70°	186.5	193.1	200.7	201.2	193.6	197.9	198.7	193.1	185.9	185.6	185.6
75°	137.0	146.2	151.8	152.1	144.7	149.1	149.6	146.8	136.6	137.5	138.5
80°	90.4	98.2	104.3	104.1	98.4	102.4	104.1	98.4	89.8	93.3	92.7
85°	51.8	58.9	63.9	63.1	56.0	60.4	62.3	57.3	51.4	53.5	53.3
90°	6.4	9.8	17.4	24.0	17.4	19.8	15.0	8.0	4.9	3.9	4.0
95°	4.9	4.7	4.2	5.6	6.1	4.8	3.1	2.6	2.3	2.6	2.6
100°	4.3	4.3	7.0	5.7	4.1	7.7	4.1	2.2	1.9	2.4	10.7
105°	14.4	13.7	14.2	11.7	13.8	11.8	12.1	12.1	12.9	13.4	13.2
110°	16.2	14.9	14.2	12.8	14.6	11.4	12.2	13.8	16.6	13.2	10.3
115°	15.4	14.0	10.8	12.6	14.1	12.0	11.3	11.9	12.2	10.2	6.3
120°	9.9	9.8	8.2	11.6	13.4	11.4	8.3	9.6	8.9	7.9	4.6
125°	4.2	5.2	7.9	11.3	12.8	10.6	8.3	4.7	3.8	4.6	4.5
130°	1.8	4.7	7.8	10.9	12.5	10.2	7.9	4.1	1.5	4.3	4.7
135°	1.8	4.3	6.8	10.1	11.2	8.8	6.6	3.9	1.5	4.1	4.3
140°	1.8	4.1	5.6	7.5	8.9	7.4	5.8	3.6	1.6	3.8	5.6
145°	1.7	3.9	5.2	6.4	7.8	6.5	6.0	3.5	1.7	3.5	6.1
150°	1.7	3.7	4.6	6.2	6.7	5.8	5.3	3.2	1.6	3.2	5.3
155°	1.8	3.2	4.2	5.3	6.3	5.2	4.2	2.9	1.7	2.8	4.2
160°	1.8	2.7	3.4	4.1	3.3	4.0	3.2	2.3	1.6	2.3	3.4
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	3.1	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°	669.1	669.1	669.1	669.1	669.1	669.1
5°	665.3	665.1	662.1	664.7	666.4	665.5
10°	653.5	653.5	651.2	654.2	655.8	655.6
15°	634.9	634.4	633.2	637.4	638.7	637.7
20°	609.5	609.6	607.9	613.1	615.5	613.4
25°	578.7	578.5	579.6	583.0	586.1	584.7
30°	544.0	541.2	544.9	549.3	551.1	547.8
35°	505.2	500.7	505.9	510.4	511.6	508.1
40°	460.4	460.8	463.6	468.2	469.9	467.1
45°	416.2	417.4	420.2	423.2	424.5	423.5
50°	372.7	374.7	374.5	377.9	378.6	381.8
55°	326.2	325.9	328.4	331.3	333.8	332.6
60°	278.6	278.9	280.0	284.4	285.6	284.8
65°	230.3	228.8	232.0	236.0	236.6	234.4
70°	182.2	179.8	183.3	188.3	186.4	186.5
75°	133.4	131.3	135.3	139.4	137.6	137.0
80°	88.6	85.6	89.4	92.9	91.3	90.4
85°	50.5	48.3	51.9	53.5	54.7	51.8
90°	3.6	3.7	4.3	5.5	6.1	6.4
95°	5.3	1.9	4.0	3.6	4.7	4.9
100°	10.8	8.6	10.1	9.7	4.6	4.3
105°	10.5	13.0	11.3	13.7	14.1	14.4
110°	8.9	11.7	9.6	11.8	13.6	16.2
115°	8.1	10.9	9.0	8.3	12.4	15.4
120°	8.1	10.6	8.2	5.6	8.5	9.9
125°	7.7	9.8	7.7	5.2	4.2	4.2
130°	6.8	9.3	6.8	4.7	3.6	1.8
135°	5.9	8.0	5.4	4.2	3.5	1.8
140°	4.9	7.9	4.7	4.7	3.3	1.8
145°	5.9	6.6	5.9	4.9	3.1	1.7
150°	5.8	6.5	5.8	4.6	2.8	1.7
155°	4.5	5.7	3.9	3.6	2.6	1.8
160°	3.5	3.5	3.3	3.3	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)