

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: P855721

Luminaire Tested: **22SFS-L3C4-NUV-MED-4000K**

Issue Date: 7/17/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P855721  
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-MED-4000K  
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,  
MED Lumen and 4000K CCT Settings  
Light Source: -  
Ballast/Driver: -

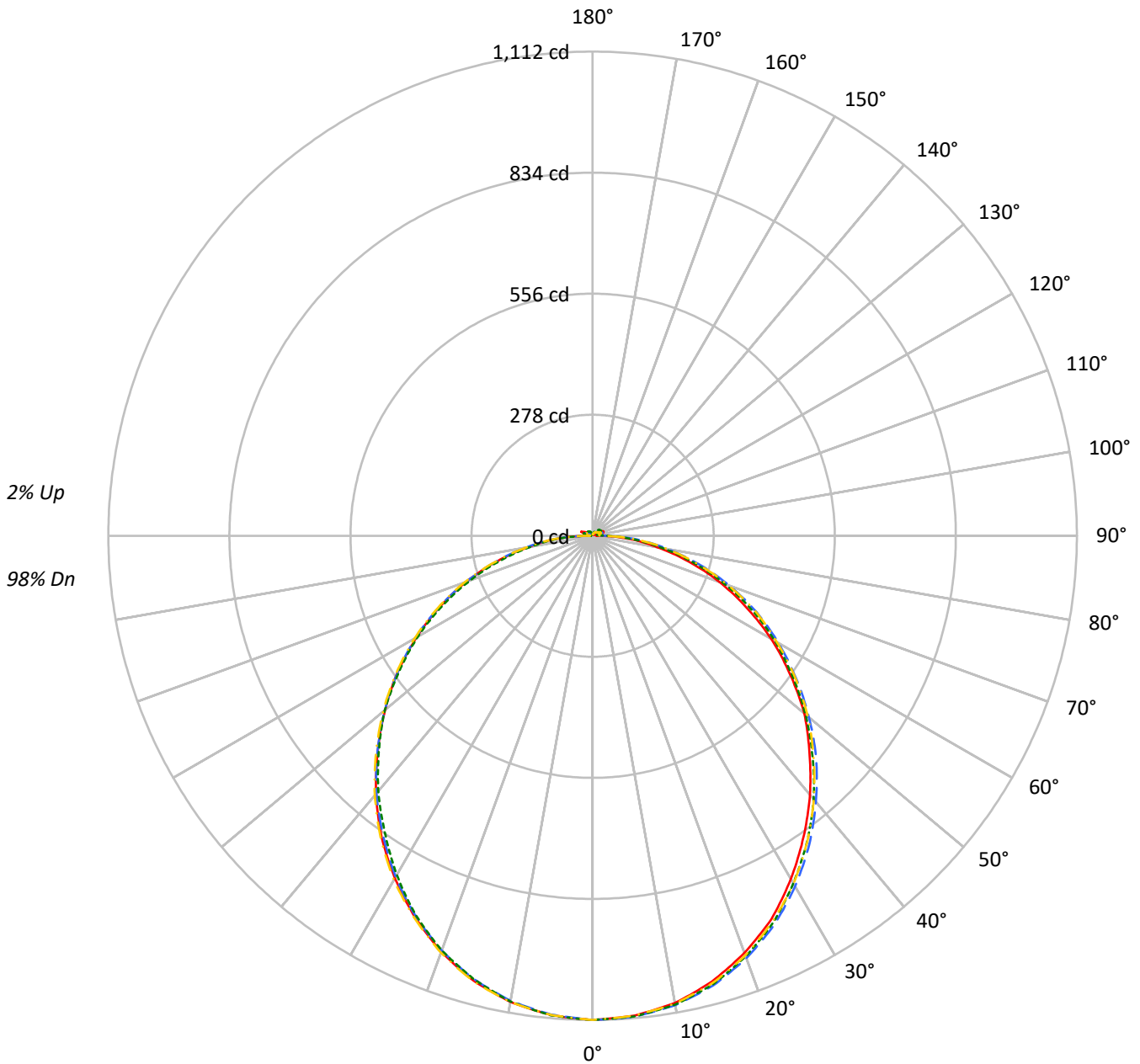
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3244.0 lumens  
Efficiency: N/A  
Efficacy: 129.8 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): 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				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°	1669	1669	1669	1669
5°	1666	1669	1664	1665
10°	1660	1666	1656	1655
15°	1646	1657	1643	1638
20°	1628	1641	1623	1618
25°	1609	1624	1600	1592
30°	1577	1597	1574	1558
35°	1547	1572	1548	1524
40°	1521	1547	1516	1500
45°	1494	1515	1480	1472
50°	1481	1489	1452	1454
55°	1446	1463	1431	1417
60°	1420	1450	1400	1391
65°	1383	1434	1378	1350
70°	1360	1411	1355	1311
75°	1320	1394	1316	1265
80°	1298	1413	1290	1230
85°	1481	1601	1472	1381



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	3.2
10°-20°	299.0	9.2
20°-30°	447.8	13.8
30°-40°	532.1	16.4
40°-50°	546.3	16.8
50°-60°	497.0	15.3
60°-70°	393.0	12.1
70°-80°	249.5	7.7
80°-90°	97.9	3.0
90°-100°	10.7	0.3
100°-110°	19.6	0.6
110°-120°	18.3	0.6
120°-130°	11.0	0.3
130°-140°	7.3	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°	851.8	26.3
0°-40°	1383.9	42.7
0°-60°	2427.1	74.8
0°-90°	3167.4	97.6
90°-120°	48.7	1.5
90°-150°	72.1	2.2
90°-180°	77.0	2.4
0°-180°	3244.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1112	1112	1112	1112	1112	
5°	1106	1108	1105	1105	1106	105
15°	1060	1066	1058	1054	1060	299
25°	972	981	966	961	972	447
35°	844	858	845	832	844	529
45°	704	714	698	694	704	545
55°	553	559	547	542	553	495
65°	390	404	388	380	390	387
75°	228	240	227	218	228	242
85°	86	93	86	80	86	83
90°	11	29	8	6	11	16
95°	8	10	4	3	8	7
105°	24	23	22	22	24	22
115°	26	23	20	18	26	23
125°	7	21	6	16	7	8
135°	3	18	2	13	3	2
145°	3	13	3	11	3	2
155°	3	10	3	9	3	1
165°	3	5	3	4	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°	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9
5°	1106.0	1102.5	1108.6	1111.2	1107.9	1103.5	1105.8	1107.7	1104.8	1099.9	1103.5
10°	1089.6	1087.1	1094.4	1096.7	1093.1	1088.5	1091.0	1091.5	1087.1	1082.4	1084.7
15°	1059.8	1060.2	1069.3	1071.5	1066.5	1061.8	1063.7	1063.2	1057.7	1053.0	1054.1
20°	1019.4	1023.1	1032.4	1035.0	1027.8	1025.4	1025.4	1023.8	1016.6	1012.6	1013.7
25°	971.7	975.6	986.2	988.2	980.6	978.0	977.5	976.3	966.1	962.8	962.8
30°	910.4	919.8	929.9	933.8	921.9	921.5	922.6	918.2	908.1	906.2	904.8
35°	844.4	856.7	867.0	870.3	858.4	859.8	858.8	853.4	844.8	841.3	839.2
40°	776.3	789.0	797.4	798.5	789.7	790.8	789.9	784.6	773.8	773.3	772.1
45°	703.9	715.2	726.3	726.3	713.7	717.2	717.2	711.2	697.6	696.9	698.5
50°	634.5	638.5	648.5	649.7	638.0	641.6	644.8	636.6	622.1	623.5	623.3
55°	552.8	563.8	570.1	575.7	559.3	565.8	567.7	559.6	547.0	544.6	546.0
60°	473.3	483.9	492.3	496.9	483.2	486.9	488.7	483.2	466.5	466.6	469.6
65°	389.5	401.2	415.2	415.4	404.0	408.4	413.7	402.6	388.1	390.2	389.7
70°	310.0	321.0	333.6	334.5	321.7	328.9	330.3	321.0	308.9	308.4	308.4
75°	227.6	243.0	252.3	252.8	240.4	247.7	248.6	243.9	226.9	228.5	230.3
80°	150.2	163.1	173.3	173.1	163.5	170.1	173.1	163.5	149.3	155.1	154.0
85°	86.0	97.9	106.1	104.9	93.0	100.4	103.5	95.3	85.5	89.0	88.6
90°	10.7	16.3	28.8	39.9	28.8	32.9	25.0	13.3	8.2	6.5	6.6
95°	8.2	7.9	7.0	9.3	10.1	8.0	5.1	4.4	3.8	4.4	4.4
100°	7.2	7.2	11.7	9.4	6.8	12.8	6.8	3.7	3.1	4.0	17.8
105°	24.0	22.7	23.6	19.4	22.9	19.6	20.1	20.1	21.5	22.2	21.9
110°	26.9	24.8	23.6	21.3	24.3	18.9	20.3	22.9	27.6	21.9	17.1
115°	25.5	23.3	18.0	21.0	23.4	19.9	18.7	19.8	20.3	17.0	10.5
120°	16.4	16.3	13.6	19.2	22.2	18.9	13.8	15.9	14.9	13.1	7.7
125°	7.0	8.6	13.1	18.7	21.3	17.7	13.8	7.9	6.3	7.7	7.5
130°	3.0	7.9	12.9	18.2	20.8	17.0	13.1	6.8	2.4	7.2	7.9
135°	3.0	7.2	11.4	16.8	18.5	14.7	11.0	6.5	2.4	6.8	7.2
140°	3.0	6.8	9.3	12.4	14.9	12.2	9.6	5.9	2.6	6.3	9.3
145°	2.8	6.5	8.6	10.7	12.9	10.8	10.0	5.8	2.8	5.8	10.1
150°	2.8	6.1	7.7	10.3	11.2	9.6	8.7	5.2	2.6	5.2	8.7
155°	3.0	5.2	7.0	8.7	10.5	8.6	7.0	4.9	2.8	4.7	7.0
160°	3.0	4.5	5.6	6.8	5.4	6.6	5.2	3.8	2.6	3.8	5.6
165°	3.0	3.7	4.2	4.4	4.7	3.8	3.8	3.3	2.6	3.3	4.4
170°	3.0	3.3	3.7	3.8	5.1	3.5	3.3	3.0	2.4	3.0	3.5
175°	3.3	3.5	3.7	3.7	4.0	3.7	3.1	2.8	2.8	2.6	3.1
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°	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9
5°	1105.6	1105.3	1100.4	1104.6	1107.6	1106.0
10°	1086.1	1086.1	1082.2	1087.3	1089.9	1089.6
15°	1055.1	1054.2	1052.3	1059.3	1061.4	1059.8
20°	1013.0	1013.2	1010.2	1018.9	1022.9	1019.4
25°	961.8	961.4	963.2	968.9	974.0	971.7
30°	904.1	899.3	905.6	912.8	915.9	910.4
35°	839.5	832.0	840.8	848.3	850.2	844.4
40°	765.1	765.8	770.5	778.2	781.0	776.3
45°	691.6	693.7	698.3	703.3	705.4	703.9
50°	619.4	622.8	622.4	628.0	629.2	634.5
55°	542.2	541.6	545.8	550.5	554.7	552.8
60°	463.0	463.5	465.4	472.6	474.7	473.3
65°	382.7	380.3	385.5	392.1	393.2	389.5
70°	302.8	298.8	304.6	312.9	309.8	310.0
75°	221.7	218.2	224.8	231.7	228.7	227.6
80°	147.2	142.3	148.6	154.4	151.8	150.2
85°	83.9	80.2	86.2	89.0	90.9	86.0
90°	5.9	6.1	7.2	9.1	10.1	10.7
95°	8.7	3.1	6.6	5.9	7.9	8.2
100°	18.0	14.3	16.8	16.1	7.7	7.2
105°	17.5	21.7	18.7	22.7	23.4	24.0
110°	14.9	19.4	15.9	19.6	22.6	26.9
115°	13.5	18.2	15.0	13.8	20.6	25.5
120°	13.5	17.7	13.6	9.3	14.2	16.4
125°	12.8	16.3	12.8	8.6	7.0	7.0
130°	11.4	15.4	11.4	7.9	5.9	3.0
135°	9.8	13.3	8.9	7.0	5.8	3.0
140°	8.2	13.1	7.9	7.9	5.4	3.0
145°	9.8	11.0	9.8	8.2	5.1	2.8
150°	9.6	10.8	9.6	7.7	4.7	2.8
155°	7.5	9.4	6.5	5.9	4.4	3.0
160°	5.8	5.8	5.4	5.4	3.8	3.0
165°	4.7	4.5	4.7	4.5	3.3	3.0
170°	4.2	4.9	4.4	3.5	3.3	3.0
175°	3.0	4.0	3.5	3.5	3.3	3.3
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)