

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: P855722

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

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855722
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-5000K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
MED Lumen and 5000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

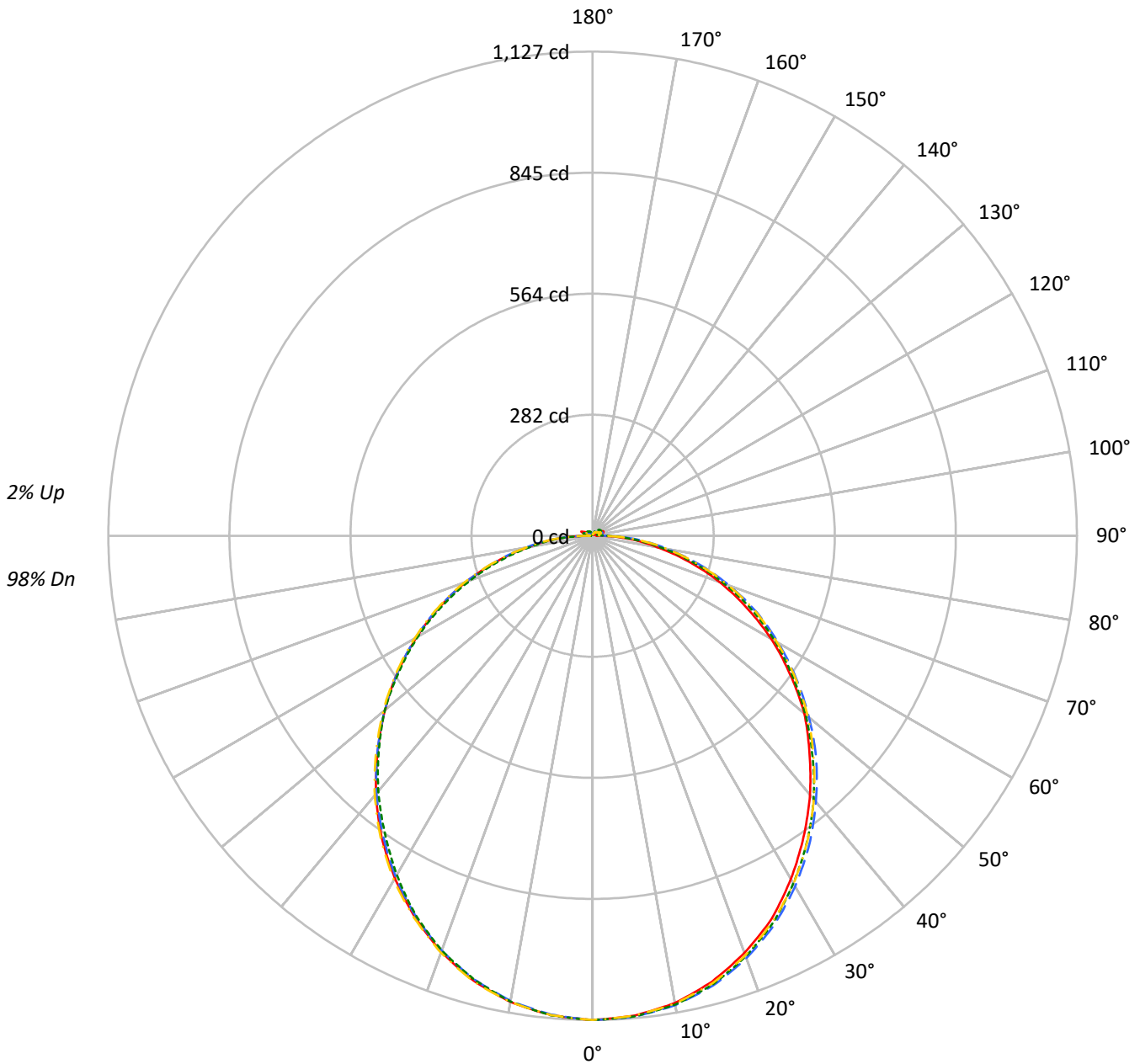
Lumens per Lamp: N/A
Luminaire Lumens: 3288.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{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°	1691	1691	1691	1691
5°	1689	1691	1687	1688
10°	1683	1688	1679	1677
15°	1669	1679	1666	1660
20°	1650	1664	1645	1640
25°	1631	1646	1621	1613
30°	1599	1619	1595	1579
35°	1568	1594	1568	1545
40°	1541	1568	1536	1520
45°	1514	1535	1500	1492
50°	1501	1510	1472	1474
55°	1466	1483	1451	1436
60°	1440	1470	1419	1410
65°	1402	1454	1397	1368
70°	1379	1431	1374	1329
75°	1338	1413	1334	1282
80°	1315	1432	1307	1246
85°	1501	1624	1493	1400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	3.2
10°-20°	303.0	9.2
20°-30°	453.9	13.8
30°-40°	539.3	16.4
40°-50°	553.7	16.8
50°-60°	503.7	15.3
60°-70°	398.3	12.1
70°-80°	252.9	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
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0°-30°	863.3	26.3
0°-40°	1402.6	42.7
0°-60°	2460.0	74.8
0°-90°	3210.4	97.6
90°-120°	49.3	1.5
90°-150°	73.1	2.2
90°-180°	78.0	2.4
0°-180°	3288.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1127	1127	1127	1127	1127	
5°	1121	1123	1120	1120	1121	106
15°	1074	1081	1072	1068	1074	303
25°	985	994	979	974	985	453
35°	856	870	856	843	856	536
45°	713	723	707	703	713	552
55°	560	567	554	549	560	502
65°	395	410	393	385	395	392
75°	231	244	230	221	231	245
85°	87	94	87	81	87	84
90°	11	29	8	6	11	16
95°	8	10	4	3	8	7
105°	24	23	22	22	24	22
115°	26	24	21	18	26	24
125°	7	22	6	16	7	8
135°	3	19	2	14	3	2
145°	3	13	3	11	3	2
155°	3	11	3	10	3	1
165°	3	5	3	5	3	1
175°	3	4	3	4	3	0
180°	3	3	3	3	3	



TEST NUMBER: P855722

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0
5°	1121.0	1117.4	1123.6	1126.3	1122.9	1118.5	1120.8	1122.8	1119.7	1114.8	1118.5
10°	1104.3	1101.9	1109.3	1111.6	1107.9	1103.3	1105.7	1106.3	1101.9	1097.1	1099.4
15°	1074.2	1074.6	1083.8	1086.1	1080.9	1076.2	1078.1	1077.6	1072.1	1067.3	1068.4
20°	1033.3	1037.0	1046.4	1049.0	1041.8	1039.3	1039.3	1037.7	1030.4	1026.4	1027.4
25°	984.9	988.8	999.6	1001.6	993.9	991.3	990.7	989.5	979.2	975.9	975.9
30°	922.7	932.3	942.5	946.4	934.4	934.0	935.1	930.7	920.4	918.4	917.0
35°	855.9	868.3	878.8	882.1	870.1	871.5	870.4	864.9	856.2	852.7	850.6
40°	786.8	799.7	808.2	809.3	800.4	801.5	800.6	795.3	784.3	783.8	782.5
45°	713.4	724.9	736.1	736.1	723.3	726.9	726.9	720.9	707.0	706.3	707.9
50°	643.1	647.1	657.2	658.5	646.6	650.3	653.5	645.2	630.5	631.9	631.7
55°	560.3	571.5	577.9	583.5	566.9	573.4	575.4	567.2	554.5	552.0	553.4
60°	479.7	490.5	499.0	503.6	489.8	493.5	495.3	489.8	472.8	473.0	476.0
65°	394.8	406.7	420.9	421.0	409.5	413.9	419.3	408.1	393.4	395.5	395.0
70°	314.2	325.3	338.1	339.0	326.1	333.3	334.7	325.3	313.1	312.6	312.6
75°	230.7	246.3	255.7	256.2	243.7	251.1	252.0	247.2	230.0	231.6	233.4
80°	152.2	165.3	175.6	175.4	165.7	172.4	175.4	165.7	151.3	157.2	156.1
85°	87.2	99.2	107.6	106.3	94.3	101.7	104.9	96.6	86.7	90.2	89.8
90°	10.8	16.5	29.2	40.4	29.2	33.3	25.3	13.5	8.3	6.6	6.7
95°	8.3	8.0	7.1	9.4	10.3	8.2	5.1	4.4	3.9	4.4	4.4
100°	7.3	7.3	11.9	9.6	6.9	12.9	6.9	3.7	3.2	4.1	18.1
105°	24.3	23.0	23.9	19.7	23.2	19.8	20.4	20.4	21.8	22.5	22.2
110°	27.3	25.2	23.9	21.6	24.6	19.1	20.6	23.2	28.0	22.2	17.4
115°	25.9	23.6	18.3	21.3	23.7	20.2	19.0	20.0	20.6	17.2	10.6
120°	16.7	16.5	13.8	19.5	22.5	19.1	14.0	16.1	15.1	13.3	7.8
125°	7.1	8.7	13.3	19.0	21.6	17.9	14.0	8.0	6.4	7.8	7.6
130°	3.0	8.0	13.1	18.4	21.1	17.2	13.3	6.9	2.5	7.3	8.0
135°	3.0	7.3	11.5	17.0	18.8	14.9	11.2	6.6	2.5	6.9	7.3
140°	3.0	6.9	9.4	12.6	15.1	12.4	9.7	6.0	2.7	6.4	9.4
145°	2.8	6.6	8.7	10.8	13.1	11.0	10.1	5.8	2.8	5.8	10.3
150°	2.8	6.2	7.8	10.5	11.3	9.7	8.9	5.3	2.7	5.3	8.9
155°	3.0	5.3	7.1	8.9	10.6	8.7	7.1	5.0	2.8	4.8	7.1
160°	3.0	4.6	5.7	6.9	5.5	6.7	5.3	3.9	2.7	3.9	5.7
165°	3.0	3.7	4.3	4.4	4.8	3.9	3.9	3.4	2.7	3.4	4.4
170°	3.0	3.4	3.7	3.9	5.1	3.5	3.4	3.0	2.5	3.0	3.5
175°	3.4	3.5	3.7	3.7	4.1	3.7	3.2	2.8	2.8	2.7	3.2
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°	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0
5°	1120.6	1120.3	1115.3	1119.6	1122.6	1121.0
10°	1100.8	1100.8	1096.9	1102.0	1104.7	1104.3
15°	1069.4	1068.5	1066.6	1073.7	1075.8	1074.2
20°	1026.7	1026.9	1023.9	1032.7	1036.8	1033.3
25°	974.8	974.4	976.2	982.1	987.2	984.9
30°	916.3	911.5	917.9	925.2	928.4	922.7
35°	850.9	843.3	852.2	859.8	861.7	855.9
40°	775.4	776.2	780.9	788.7	791.6	786.8
45°	701.0	703.1	707.8	712.9	715.0	713.4
50°	627.8	631.2	630.8	636.5	637.8	643.1
55°	549.5	549.0	553.2	558.0	562.3	560.3
60°	469.2	469.8	471.7	479.0	481.1	479.7
65°	387.9	385.4	390.7	397.5	398.5	394.8
70°	306.9	302.8	308.7	317.2	314.0	314.2
75°	224.7	221.1	227.9	234.8	231.8	230.7
80°	149.2	144.2	150.6	156.5	153.8	152.2
85°	85.1	81.3	87.4	90.2	92.1	87.2
90°	6.0	6.2	7.3	9.2	10.3	10.8
95°	8.9	3.2	6.7	6.0	8.0	8.3
100°	18.3	14.5	17.0	16.3	7.8	7.3
105°	17.7	22.0	19.0	23.0	23.7	24.3
110°	15.1	19.7	16.1	19.8	22.9	27.3
115°	13.6	18.4	15.2	14.0	20.9	25.9
120°	13.6	17.9	13.8	9.4	14.4	16.7
125°	12.9	16.5	12.9	8.7	7.1	7.1
130°	11.5	15.6	11.5	8.0	6.0	3.0
135°	9.9	13.5	9.0	7.1	5.8	3.0
140°	8.3	13.3	8.0	8.0	5.5	3.0
145°	9.9	11.2	9.9	8.3	5.1	2.8
150°	9.7	11.0	9.7	7.8	4.8	2.8
155°	7.6	9.6	6.6	6.0	4.4	3.0
160°	5.8	5.8	5.5	5.5	3.9	3.0
165°	4.8	4.6	4.8	4.6	3.4	3.0
170°	4.3	5.0	4.4	3.5	3.4	3.0
175°	3.0	4.1	3.5	3.5	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)