

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: P855731

Luminaire Tested: **22SFS-L3C4-UNV-MED-3000K**

Issue Date: 7/17/2024



Test Information

Test Method: LM-79-08
Report Number: P855731
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-UNV-MED-3000K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
MED Lumen and 3000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

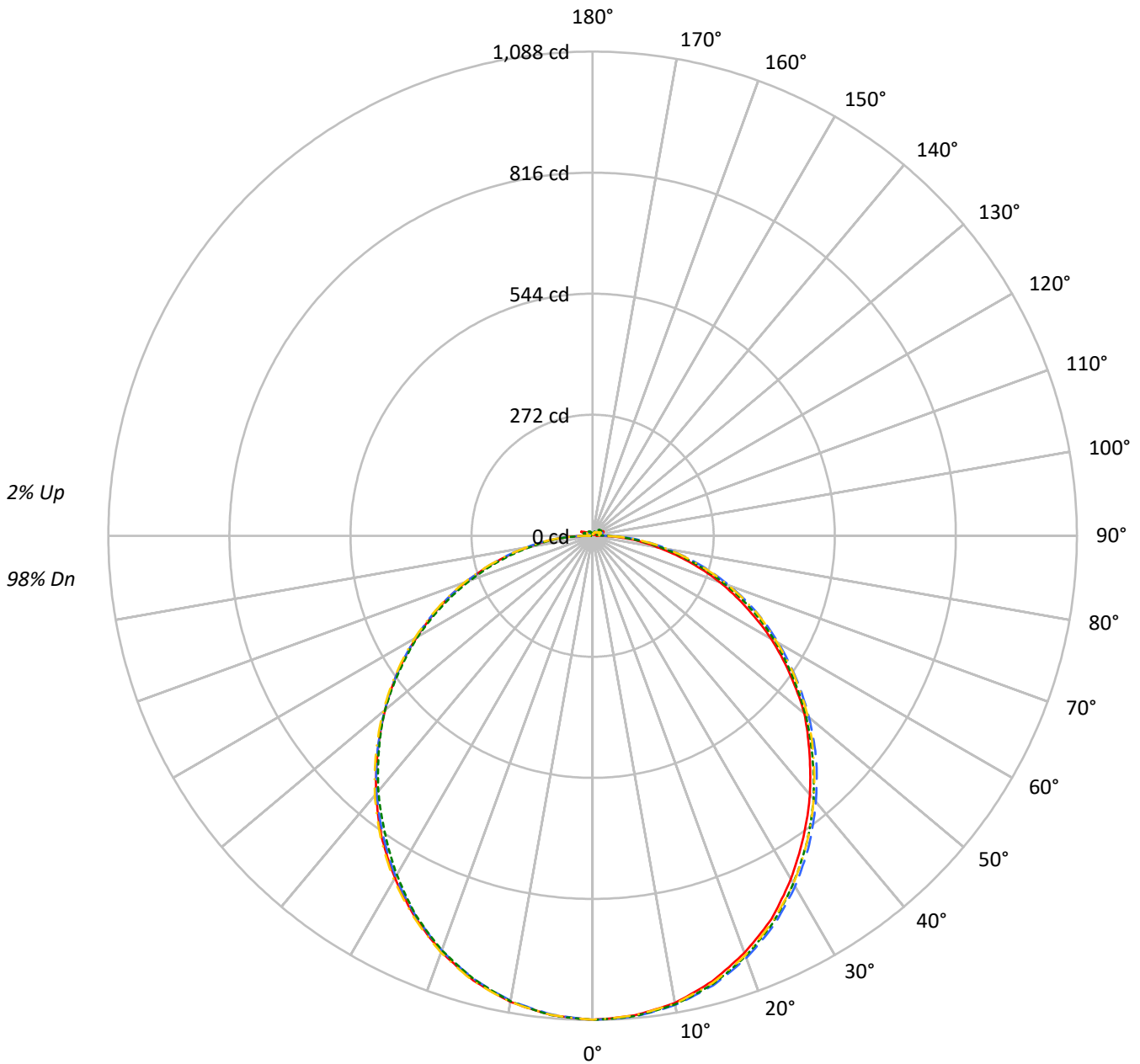
Lumens per Lamp: N/A
Luminaire Lumens: 3173.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P855731

CATALOG NUMBER: 22SFS-L3C4-UNV-MED-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P855731

CATALOG NUMBER: 22SFS-L3C4-UNV-MED-3000K

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°	1632	1632	1632	1632
5°	1630	1632	1628	1628
10°	1624	1629	1620	1619
15°	1610	1620	1607	1602
20°	1592	1605	1588	1583
25°	1574	1588	1565	1557
30°	1543	1562	1539	1524
35°	1513	1538	1514	1491
40°	1487	1513	1483	1467
45°	1461	1481	1448	1440
50°	1449	1457	1420	1422
55°	1415	1431	1400	1386
60°	1389	1419	1369	1360
65°	1353	1403	1348	1321
70°	1330	1381	1326	1282
75°	1291	1363	1287	1237
80°	1269	1382	1262	1203
85°	1448	1567	1439	1352



TEST NUMBER: P855731

CATALOG NUMBER: 22SFS-L3C4-UNV-MED-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	3.2
10°-20°	292.4	9.2
20°-30°	438.0	13.8
30°-40°	520.4	16.4
40°-50°	534.4	16.8
50°-60°	486.1	15.3
60°-70°	384.4	12.1
70°-80°	244.0	7.7
80°-90°	95.7	3.0
90°-100°	10.5	0.3
100°-110°	19.2	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
<hr/>		
0°-30°	833.1	26.3
0°-40°	1353.6	42.7
0°-60°	2374.0	74.8
0°-90°	3098.1	97.6
90°-120°	47.6	1.5
90°-150°	70.5	2.2
90°-180°	75.0	2.4
0°-180°	3173.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1088	1088	1088	1088	1088	
5°	1082	1084	1081	1081	1082	103
15°	1037	1043	1035	1031	1037	292
25°	950	959	945	940	950	437
35°	826	840	826	814	826	517
45°	688	698	682	679	688	533
55°	541	547	535	530	541	484
65°	381	395	380	372	381	378
75°	223	235	222	213	223	236
85°	84	91	84	78	84	81
90°	10	28	8	6	10	15
95°	8	10	4	3	8	7
105°	23	22	21	21	23	21
115°	25	23	20	18	25	23
125°	7	21	6	16	7	7
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	



TEST NUMBER: P855731

CATALOG NUMBER: 22SFS-L3C4-UNV-MED-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6
5°	1081.8	1078.4	1084.3	1086.9	1083.7	1079.4	1081.6	1083.5	1080.6	1075.8	1079.4
10°	1065.7	1063.3	1070.5	1072.7	1069.1	1064.7	1067.1	1067.6	1063.3	1058.7	1060.9
15°	1036.6	1037.0	1045.9	1048.1	1043.1	1038.5	1040.4	1039.9	1034.6	1030.0	1031.0
20°	997.1	1000.7	1009.8	1012.4	1005.3	1002.9	1002.9	1001.4	994.4	990.5	991.5
25°	950.4	954.2	964.6	966.5	959.2	956.6	956.1	954.9	945.0	941.7	941.7
30°	890.4	899.7	909.6	913.3	901.7	901.4	902.4	898.1	888.2	886.3	885.0
35°	826.0	837.9	848.0	851.3	839.6	841.0	840.0	834.7	826.3	822.9	820.8
40°	759.3	771.7	780.0	781.0	772.4	773.5	772.6	767.5	756.9	756.4	755.2
45°	688.5	699.6	710.4	710.4	698.0	701.5	701.5	695.7	682.3	681.6	683.2
50°	620.6	624.5	634.3	635.5	624.0	627.6	630.7	622.6	608.4	609.8	609.6
55°	540.7	551.5	557.6	563.1	547.0	553.4	555.3	547.4	535.1	532.7	534.1
60°	462.9	473.3	481.6	486.0	472.7	476.3	478.0	472.7	456.2	456.4	459.3
65°	381.0	392.5	406.1	406.3	395.2	399.5	404.6	393.8	379.6	381.7	381.2
70°	303.2	314.0	326.3	327.1	314.7	321.7	323.0	314.0	302.2	301.7	301.7
75°	222.6	237.7	246.8	247.3	235.1	242.3	243.2	238.6	222.0	223.5	225.2
80°	146.9	159.5	169.5	169.3	159.9	166.4	169.3	159.9	146.0	151.7	150.7
85°	84.1	95.8	103.8	102.6	91.0	98.2	101.2	93.2	83.6	87.0	86.7
90°	10.4	15.9	28.2	39.0	28.2	32.1	24.5	13.0	8.0	6.3	6.5
95°	8.0	7.7	6.8	9.1	9.9	7.9	5.0	4.3	3.8	4.3	4.3
100°	7.0	7.0	11.5	9.2	6.7	12.5	6.7	3.6	3.1	3.9	17.4
105°	23.4	22.2	23.1	19.0	22.4	19.2	19.7	19.7	21.0	21.7	21.4
110°	26.3	24.3	23.1	20.9	23.8	18.5	19.8	22.4	27.0	21.4	16.8
115°	25.0	22.7	17.6	20.5	22.9	19.5	18.3	19.3	19.8	16.6	10.3
120°	16.1	15.9	13.3	18.8	21.7	18.5	13.5	15.6	14.5	12.8	7.5
125°	6.8	8.4	12.8	18.3	20.9	17.3	13.5	7.7	6.2	7.5	7.4
130°	2.9	7.7	12.7	17.8	20.3	16.6	12.8	6.7	2.4	7.0	7.7
135°	2.9	7.0	11.1	16.4	18.1	14.4	10.8	6.3	2.4	6.7	7.0
140°	2.9	6.7	9.1	12.1	14.5	12.0	9.4	5.8	2.6	6.2	9.1
145°	2.7	6.3	8.4	10.4	12.7	10.6	9.7	5.6	2.7	5.6	9.9
150°	2.7	6.0	7.5	10.1	10.9	9.4	8.6	5.1	2.6	5.1	8.6
155°	2.9	5.1	6.8	8.6	10.3	8.4	6.8	4.8	2.7	4.6	6.8
160°	2.9	4.4	5.5	6.7	5.3	6.5	5.1	3.8	2.6	3.8	5.5
165°	2.9	3.6	4.1	4.3	4.6	3.8	3.8	3.2	2.6	3.2	4.3
170°	2.9	3.2	3.6	3.8	5.0	3.4	3.2	2.9	2.4	2.9	3.4
175°	3.2	3.4	3.6	3.6	3.9	3.6	3.1	2.7	2.7	2.6	3.1
180°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1



TEST NUMBER: P855731

CATALOG NUMBER: 22SFS-L3C4-UNV-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1087.6	1087.6	1087.6	1087.6	1087.6	1087.6
5°	1081.4	1081.1	1076.3	1080.4	1083.3	1081.8
10°	1062.3	1062.3	1058.5	1063.5	1066.0	1065.7
15°	1032.0	1031.2	1029.3	1036.1	1038.2	1036.6
20°	990.8	991.0	988.1	996.6	1000.6	997.1
25°	940.7	940.4	942.1	947.7	952.7	950.4
30°	884.3	879.7	885.8	892.8	895.9	890.4
35°	821.2	813.8	822.4	829.7	831.6	826.0
40°	748.3	749.0	753.6	761.1	763.9	759.3
45°	676.5	678.6	683.0	688.0	690.0	688.5
50°	605.9	609.1	608.8	614.3	615.4	620.6
55°	530.3	529.8	533.9	538.5	542.6	540.7
60°	452.8	453.3	455.2	462.2	464.3	462.9
65°	374.3	371.9	377.1	383.6	384.6	381.0
70°	296.2	292.2	297.9	306.1	303.0	303.2
75°	216.8	213.4	219.9	226.6	223.7	222.6
80°	144.0	139.2	145.4	151.0	148.4	146.9
85°	82.1	78.5	84.3	87.0	88.9	84.1
90°	5.8	6.0	7.0	8.9	9.9	10.4
95°	8.6	3.1	6.5	5.8	7.7	8.0
100°	17.6	14.0	16.4	15.7	7.5	7.0
105°	17.1	21.2	18.3	22.2	22.9	23.4
110°	14.5	19.0	15.6	19.2	22.1	26.3
115°	13.2	17.8	14.7	13.5	20.2	25.0
120°	13.2	17.3	13.3	9.1	13.9	16.1
125°	12.5	15.9	12.5	8.4	6.8	6.8
130°	11.1	15.0	11.1	7.7	5.8	2.9
135°	9.6	13.0	8.7	6.8	5.6	2.9
140°	8.0	12.8	7.7	7.7	5.3	2.9
145°	9.6	10.8	9.6	8.0	5.0	2.7
150°	9.4	10.6	9.4	7.5	4.6	2.7
155°	7.4	9.2	6.3	5.8	4.3	2.9
160°	5.6	5.6	5.3	5.3	3.8	2.9
165°	4.6	4.4	4.6	4.4	3.2	2.9
170°	4.1	4.8	4.3	3.4	3.2	2.9
175°	2.9	3.9	3.4	3.4	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)