

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: P856453

Luminaire Tested: **22MMS-L3C3-UNV-LOW-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22MMS-L3C3-UNV-LOW-4000K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 4000K settings
Light Source: -
Ballast/Driver: -

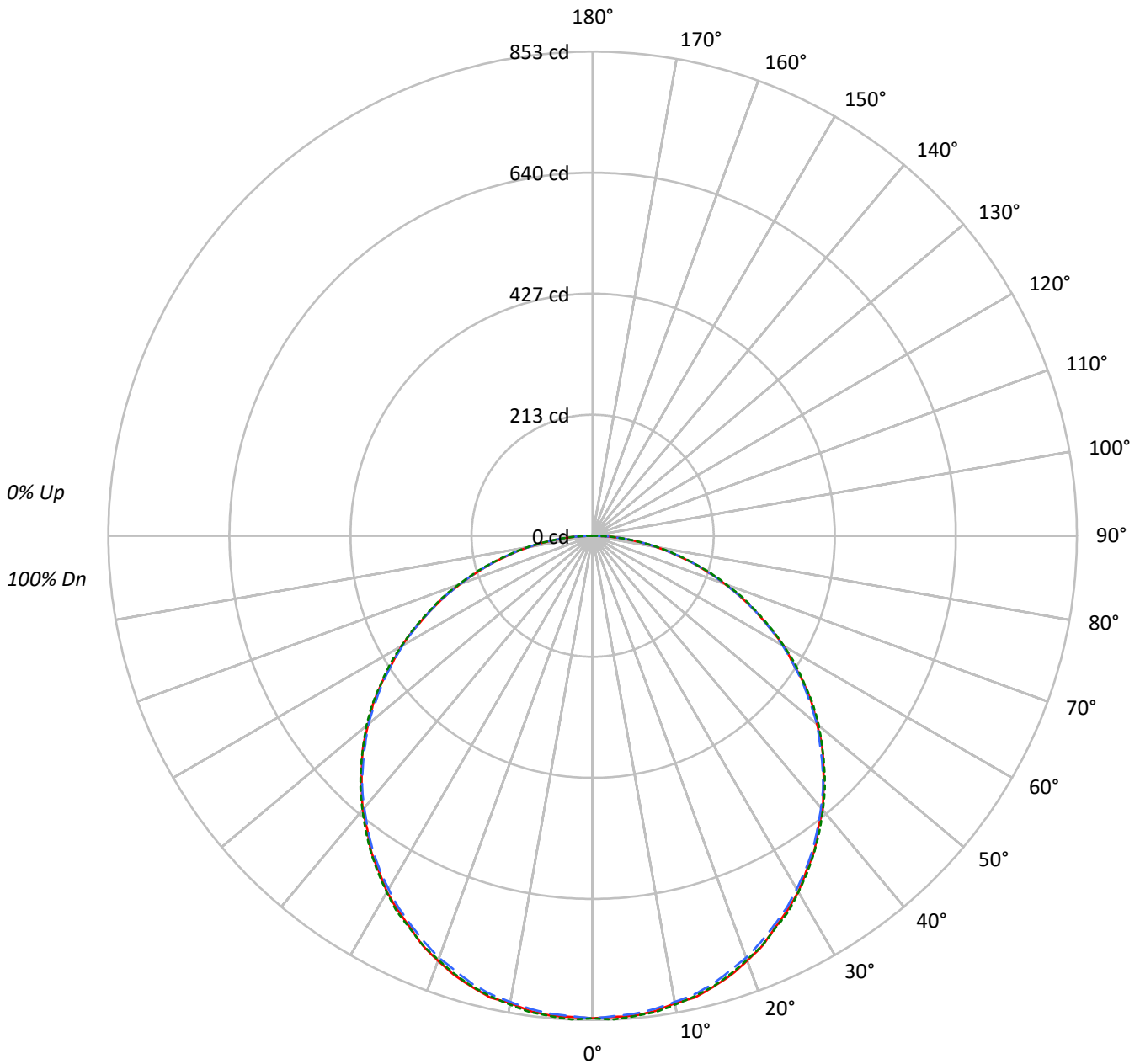
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2500.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): 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: P856453
CATALOG NUMBER: 22MMS-L3C3-UNV-LOW-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P856453

CATALOG NUMBER: 22MMS-L3C3-UNV-LOW-4000K

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2722	2722	2722
5°	2728	2717	2731
10°	2719	2711	2728
15°	2727	2711	2725
20°	2714	2695	2709
25°	2690	2675	2695
30°	2679	2658	2682
35°	2658	2642	2662
40°	2634	2616	2637
45°	2604	2591	2614
50°	2569	2569	2590
55°	2537	2521	2544
60°	2490	2472	2494
65°	2405	2405	2422
70°	2318	2318	2345
75°	2217	2226	2261
80°	2095	2108	2160
85°	1867	1918	1944



TEST NUMBER: P856453

CATALOG NUMBER: 22MMS-L3C3-UNV-LOW-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.2
10°-20°	231.1	9.2
20°-30°	350.7	14.0
30°-40°	423.9	17.0
40°-50°	443.2	17.7
50°-60°	405.6	16.2
60°-70°	315.4	12.6
70°-80°	191.0	7.6
80°-90°	58.6	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	662.3	26.5
0°-40°	1086.2	43.4
0°-60°	1935.0	77.4
0°-90°	2500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	849	849	845	846	849	81
15°	822	820	818	818	822	232
25°	761	761	757	760	763	352
35°	680	678	676	677	681	424
45°	575	574	572	575	577	444
55°	454	454	452	455	456	405
65°	317	318	317	319	320	314
75°	179	178	180	183	183	189
85°	51	51	52	53	53	58
90°	0	0	0	0	0	



TEST NUMBER: P856453

CATALOG NUMBER: 22MMS-L3C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.1	850.1	850.1	850.1	850.1
2.5°	848.6	850.8	847.2	849.4	852.9
5°	848.6	848.6	845.1	846.5	849.4
7.5°	844.4	845.8	840.9	843.0	846.5
10°	836.0	836.7	833.8	836.7	838.8
12.5°	833.1	828.9	827.5	828.2	831.0
15°	822.5	819.7	817.6	818.3	821.8
17.5°	811.3	806.3	803.5	806.3	809.1
20°	796.4	792.9	790.8	793.6	795.0
22.5°	781.6	780.2	774.6	778.8	780.9
25°	761.2	761.2	756.9	760.5	762.6
27.5°	743.5	743.5	739.3	742.1	746.4
30°	724.5	722.4	718.8	722.4	725.2
32.5°	700.5	701.2	697.7	701.2	703.3
35°	680.0	677.9	675.8	677.2	680.8
37.5°	651.8	652.5	650.4	654.7	656.1
40°	630.0	627.8	625.7	629.3	630.7
42.5°	601.7	601.7	601.0	603.2	605.3
45°	574.9	573.5	572.1	574.9	577.1
47.5°	548.1	546.0	543.2	546.7	548.1
50°	515.7	515.7	515.7	518.5	519.9
52.5°	487.5	484.6	482.5	488.2	489.6
55°	454.3	453.6	451.5	455.0	455.7
57.5°	418.3	421.9	418.3	422.6	424.0
60°	388.7	387.3	385.9	389.4	389.4
62.5°	352.0	352.0	352.0	355.5	355.5
65°	317.4	318.2	317.4	318.9	319.6
67.5°	282.9	282.9	283.6	285.7	287.8
70°	247.6	249.7	247.6	251.1	250.4
72.5°	213.0	213.7	214.5	216.6	217.3
75°	179.2	178.5	179.9	182.7	182.7
77.5°	144.6	145.3	146.7	148.1	148.8
80°	113.6	112.9	114.3	115.7	117.1
82.5°	81.1	81.1	83.2	83.2	83.9
85°	50.8	50.8	52.2	52.9	52.9
87.5°	24.0	23.3	24.0	23.3	24.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)