

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: P856454

Luminaire Tested: **22MMS-L3C3-UNV-LOW-5000K**

Issue Date: 7/30/2024



**Test Information**

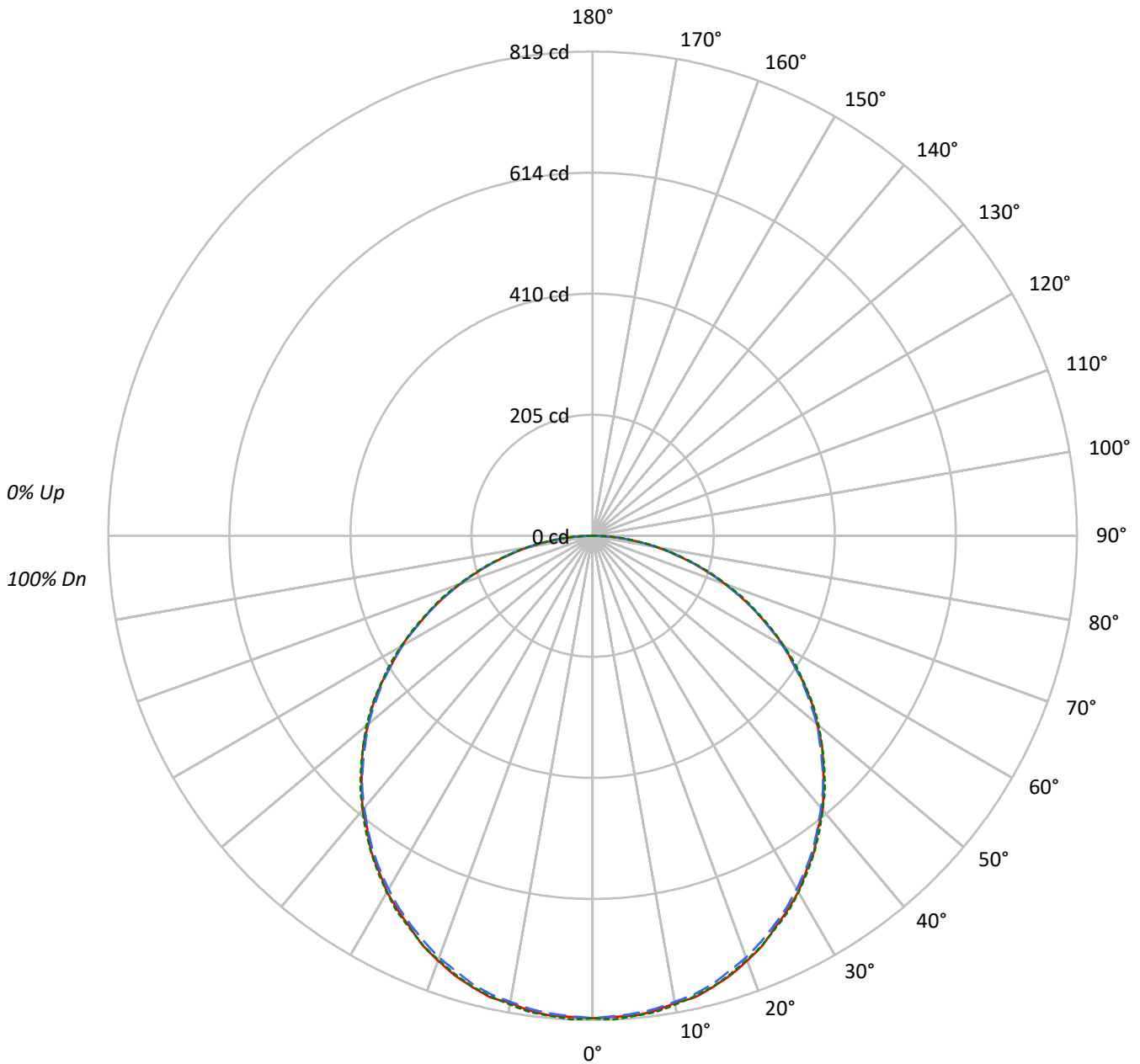
Test Method: LM-79-08  
Report Number: P856454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22MMS-L3C3-UNV-LOW-5000K  
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 5000K settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2400.0 lumens  
Efficiency: N/A  
Efficacy: 114.3 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 (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					
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	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°	2614	2614	2614
5°	2619	2608	2621
10°	2610	2603	2618
15°	2618	2602	2616
20°	2606	2587	2601
25°	2582	2568	2587
30°	2572	2552	2574
35°	2552	2536	2555
40°	2528	2511	2531
45°	2500	2487	2509
50°	2467	2467	2487
55°	2435	2420	2443
60°	2390	2372	2394
65°	2310	2310	2325
70°	2226	2226	2251
75°	2128	2137	2170
80°	2010	2023	2073
85°	1793	1841	1867



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.3	3.2
10°-20°	221.9	9.2
20°-30°	336.7	14.0
30°-40°	406.9	17.0
40°-50°	425.5	17.7
50°-60°	389.3	16.2
60°-70°	302.8	12.6
70°-80°	183.4	7.6
80°-90°	56.2	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°	635.9	26.5
0°-40°	1042.8	43.4
0°-60°	1857.6	77.4
0°-90°	2400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2400.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	815	815	811	813	815	77
15°	790	787	785	786	789	223
25°	731	731	727	730	732	338
35°	653	651	649	650	654	407
45°	552	551	549	552	554	426
55°	436	436	433	437	438	389
65°	305	305	305	306	307	302
75°	172	171	173	175	175	182
85°	49	49	50	51	51	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	816.1	816.1	816.1	816.1	<i>816.1</i>
2.5°	<i>814.7</i>	<i>816.7</i>	<i>813.3</i>	<i>815.4</i>	<i>818.8</i>
5°	814.7	814.7	811.3	812.7	<i>815.4</i>
7.5°	810.6	812.0	807.3	809.3	<i>812.7</i>
10°	802.5	803.2	800.5	803.2	<i>805.2</i>
12.5°	799.8	795.7	794.4	795.1	<i>797.8</i>
15°	789.6	786.9	784.9	785.6	<i>789.0</i>
17.5°	778.8	774.1	771.4	774.1	<i>776.8</i>
20°	764.6	761.2	759.2	761.9	<i>763.2</i>
22.5°	750.4	749.0	743.6	747.7	<i>749.7</i>
25°	730.7	730.7	726.7	730.1	<i>732.1</i>
27.5°	713.8	713.8	709.7	712.4	<i>716.5</i>
30°	695.5	693.5	690.1	693.5	<i>696.2</i>
32.5°	672.5	673.2	669.8	673.2	<i>675.2</i>
35°	652.8	650.8	648.8	650.1	<i>653.5</i>
37.5°	625.8	626.4	624.4	628.5	<i>629.8</i>
40°	604.8	602.7	600.7	604.1	<i>605.4</i>
42.5°	577.7	577.7	577.0	579.0	<i>581.1</i>
45°	551.9	550.6	549.2	551.9	<i>554.0</i>
47.5°	526.2	524.2	521.5	524.9	<i>526.2</i>
50°	495.1	495.1	495.1	497.8	<i>499.1</i>
52.5°	468.0	465.3	463.2	468.6	<i>470.0</i>
55°	436.1	435.5	433.4	436.8	<i>437.5</i>
57.5°	401.6	405.0	401.6	405.7	<i>407.0</i>
60°	373.2	371.8	370.4	373.8	<i>373.8</i>
62.5°	337.9	337.9	337.9	341.3	<i>341.3</i>
65°	304.8	305.4	304.8	306.1	<i>306.8</i>
67.5°	271.6	271.6	272.2	274.3	<i>276.3</i>
70°	237.7	239.7	237.7	241.1	<i>240.4</i>
72.5°	204.5	205.2	205.9	207.9	<i>208.6</i>
75°	172.0	171.3	172.7	175.4	<i>175.4</i>
77.5°	138.8	139.5	140.9	142.2	<i>142.9</i>
80°	109.0	108.4	109.7	111.1	<i>112.4</i>
82.5°	77.9	77.9	79.9	79.9	<i>80.6</i>
85°	48.8	48.8	50.1	50.8	<i>50.8</i>
87.5°	23.0	22.3	23.0	22.3	<i>23.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG







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







(END OF REPORT)