

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: P856434

Luminaire Tested: **12MMS-L3C5-UNV-HIGH-2700K**

Issue Date: 7/30/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 12MMS-L3C5-UNV-HIGH-2700K  
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 2700K settings  
Light Source: -  
Ballast/Driver: -

**Summary**

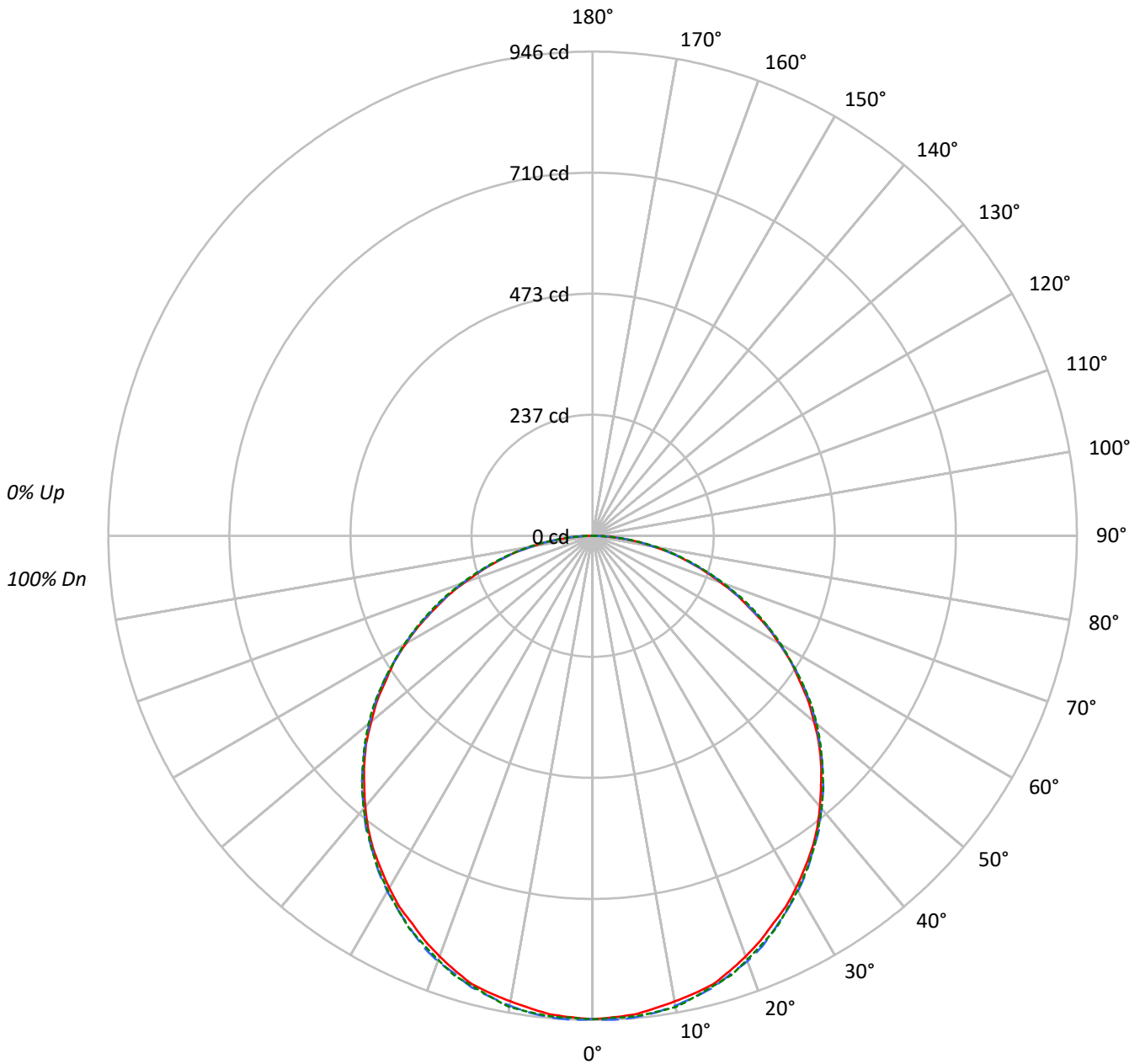
Lumens per Lamp: N/A  
Luminaire Lumens: 2750.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 0.83' x L: 1.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 33  
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	70	56	47	40	68	55	46	40	53	46	40	52	45	39	50	44	39	37								
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26								
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6655	6655	6655
5°	6640	6681	6667
10°	6608	6670	6690
15°	6620	6662	6640
20°	6555	6634	6612
25°	6494	6568	6583
30°	6464	6525	6510
35°	6425	6449	6458
40°	6354	6389	6398
45°	6287	6325	6325
50°	6187	6240	6261
55°	6058	6128	6128
60°	5932	5959	5986
65°	5703	5751	5830
70°	5461	5560	5599
75°	5227	5251	5382
80°	4857	4897	5128
85°	4301	4381	4535



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.6	3.3
10°-20°	256.8	9.3
20°-30°	388.7	14.1
30°-40°	469.3	17.1
40°-50°	489.0	17.8
50°-60°	445.1	16.2
60°-70°	343.5	12.5
70°-80°	206.1	7.5
80°-90°	62.0	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°	735.1	26.7
0°-40°	1204.3	43.8
0°-60°	2138.4	77.8
0°-90°	2750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2750.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	939	940	945	944	943	89
15°	908	910	913	911	910	255
25°	835	843	845	844	847	386
35°	747	751	750	753	751	467
45°	631	632	635	635	635	486
55°	493	498	499	499	499	442
65°	342	346	345	349	350	340
75°	192	195	193	197	198	203
85°	53	53	54	55	56	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	944.6	944.6	944.6	944.6	944.6
2.5°	941.8	943.7	946.5	946.5	942.7
5°	938.9	939.9	944.6	943.7	942.7
7.5°	931.3	935.1	939.9	939.9	938.9
10°	923.7	928.5	932.3	933.2	935.1
12.5°	916.1	919.0	922.8	924.7	922.8
15°	907.6	909.5	913.3	911.4	910.4
17.5°	891.4	894.3	897.1	897.1	900.0
20°	874.3	876.2	884.8	884.8	881.9
22.5°	856.3	859.1	867.7	863.9	863.9
25°	835.4	843.0	844.9	843.9	846.8
27.5°	817.3	820.1	823.9	824.9	823.0
30°	794.5	797.3	802.1	800.2	800.2
32.5°	770.7	773.6	778.3	777.4	776.4
35°	747.0	750.8	749.8	752.7	750.8
37.5°	720.4	720.4	726.1	724.2	723.2
40°	690.9	693.8	694.7	695.7	695.7
42.5°	660.5	664.3	667.1	665.2	666.2
45°	631.0	632.0	634.8	634.8	634.8
47.5°	599.7	601.6	601.6	603.5	603.5
50°	564.5	568.3	569.3	572.1	571.2
52.5°	531.2	531.2	535.0	536.9	536.9
55°	493.2	498.0	498.9	498.9	498.9
57.5°	460.0	461.9	460.0	462.8	460.9
60°	421.0	422.9	422.9	424.8	424.8
62.5°	383.9	384.9	385.8	387.7	387.7
65°	342.1	345.9	345.0	348.8	349.7
67.5°	306.0	307.9	307.9	310.8	311.7
70°	265.1	268.9	269.9	273.7	271.8
72.5°	228.1	230.9	232.8	233.8	233.8
75°	192.0	194.8	192.9	196.7	197.7
77.5°	158.7	156.8	157.8	159.7	159.7
80°	119.7	121.6	120.7	122.6	126.4
82.5°	86.5	87.4	88.4	89.3	89.3
85°	53.2	53.2	54.2	55.1	56.1
87.5°	23.8	24.7	24.7	23.8	24.7
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)