

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: P856477

Luminaire Tested: **4MMS6-L3C5-UNV-MEDIUM-2700K**

Issue Date: 7/30/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4MMS6-L3C5-UNV-MEDIUM-2700K  
Description: 4x6" Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 2700K settings  
Light Source: -  
Ballast/Driver: -

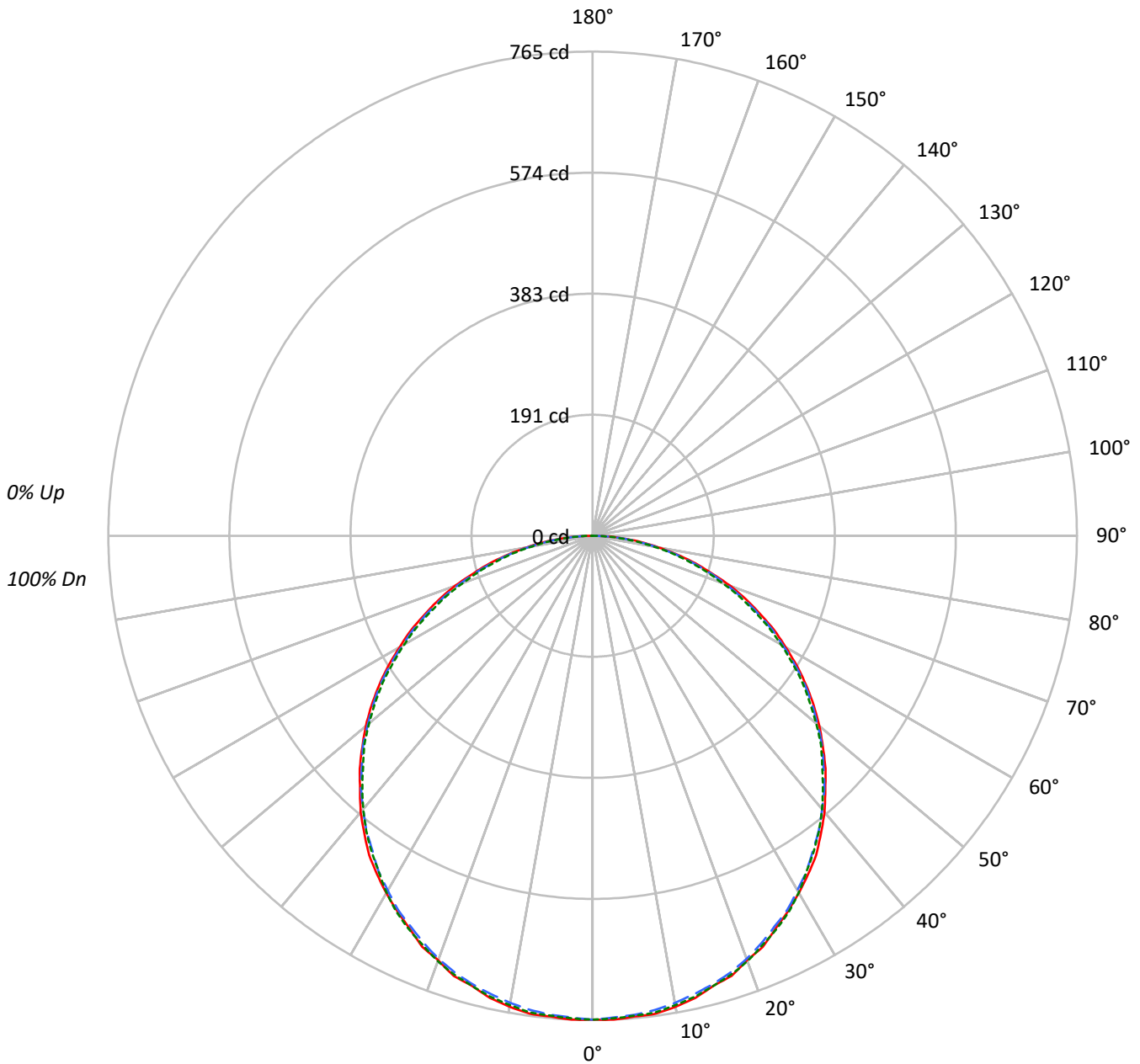
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2250.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 0.33' x L: 3.83' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 25  
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

TEST NUMBER: P856477

CATALOG NUMBER: 4MMS6-L3C5-UNV-MEDIUM-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P856477

CATALOG NUMBER: 4MMS6-L3C5-UNV-MEDIUM-2700K

**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	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	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	26	37	30	25	36	30	25	23																			

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

	0°	45°	90°
0°	6441	6441	6441
5°	6448	6424	6436
10°	6463	6409	6439
15°	6420	6396	6420
20°	6395	6376	6413
25°	6360	6328	6380
30°	6340	6292	6333
35°	6333	6240	6262
40°	6269	6201	6201
45°	6198	6141	6108
50°	6129	6076	6039
55°	6047	6005	5945
60°	5934	5851	5794
65°	5806	5711	5599
70°	5692	5522	5352
75°	5471	5269	5136
80°	5103	4934	4735
85°	4746	4417	4214



TEST NUMBER: P856477

CATALOG NUMBER: 4MMS6-L3C5-UNV-MEDIUM-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	3.2
10°-20°	208.0	9.2
20°-30°	315.7	14.0
30°-40°	382.1	17.0
40°-50°	399.2	17.7
50°-60°	364.8	16.2
60°-70°	284.0	12.6
70°-80°	171.6	7.6
80°-90°	52.0	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°	596.3	26.5
0°-40°	978.4	43.5
0°-60°	1742.4	77.4
0°-90°	2250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2250.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	762	765	760	762	761	73
15°	736	738	733	738	736	208
25°	684	688	681	686	686	316
35°	616	613	607	609	609	384
45°	520	524	516	515	513	401
55°	412	413	409	405	405	368
65°	291	290	286	282	281	289
75°	168	165	162	158	158	177
85°	49	48	46	44	44	55
90°	0	0	0	0	0	



TEST NUMBER: P856477

CATALOG NUMBER: 4MMS6-L3C5-UNV-MEDIUM-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	764.6	764.6	764.6	764.6	764.6
2.5°	765.3	767.3	761.8	765.9	763.2
5°	762.5	764.6	759.7	762.5	761.1
7.5°	761.8	759.7	755.6	758.3	759.7
10°	755.6	754.9	749.3	754.2	752.8
12.5°	748.0	748.6	741.7	748.0	745.9
15°	736.2	738.3	733.4	738.3	736.2
17.5°	729.3	728.6	723.7	727.2	727.2
20°	713.4	717.5	711.3	714.7	715.4
22.5°	703.0	702.3	696.8	697.4	700.2
25°	684.3	688.4	680.8	686.4	686.4
27.5°	668.4	671.2	666.3	668.4	670.5
30°	651.8	652.5	646.9	649.7	651.1
32.5°	633.8	635.2	628.9	631.0	628.9
35°	615.8	613.0	606.8	608.9	608.9
37.5°	592.3	593.0	586.7	588.1	587.4
40°	570.1	570.8	563.9	564.6	563.9
42.5°	543.8	545.9	541.8	540.4	538.3
45°	520.3	523.8	515.5	514.8	512.7
47.5°	493.3	495.4	491.9	487.8	489.2
50°	467.7	469.8	463.6	462.2	460.8
52.5°	440.1	442.1	436.6	433.8	432.4
55°	411.7	413.1	408.9	404.8	404.8
57.5°	382.6	382.6	378.5	375.0	373.6
60°	352.2	352.9	347.3	344.6	343.9
62.5°	323.8	324.5	318.3	314.8	313.4
65°	291.3	289.9	286.5	282.3	280.9
67.5°	262.2	260.8	255.3	252.5	251.2
70°	231.1	227.6	224.2	220.7	217.3
72.5°	197.2	196.5	193.0	189.6	187.5
75°	168.1	165.4	161.9	158.4	157.8
77.5°	136.3	135.6	132.8	128.7	128.7
80°	105.2	105.2	101.7	99.6	97.6
82.5°	78.2	76.8	73.3	71.3	69.9
85°	49.1	47.7	45.7	43.6	43.6
87.5°	22.1	20.8	20.8	19.4	19.4
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)