

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: P856480

Luminaire Tested: **4MMS6-L3C5-UNV-MEDIUM-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856480
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-4000K
Description: 4x6" Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

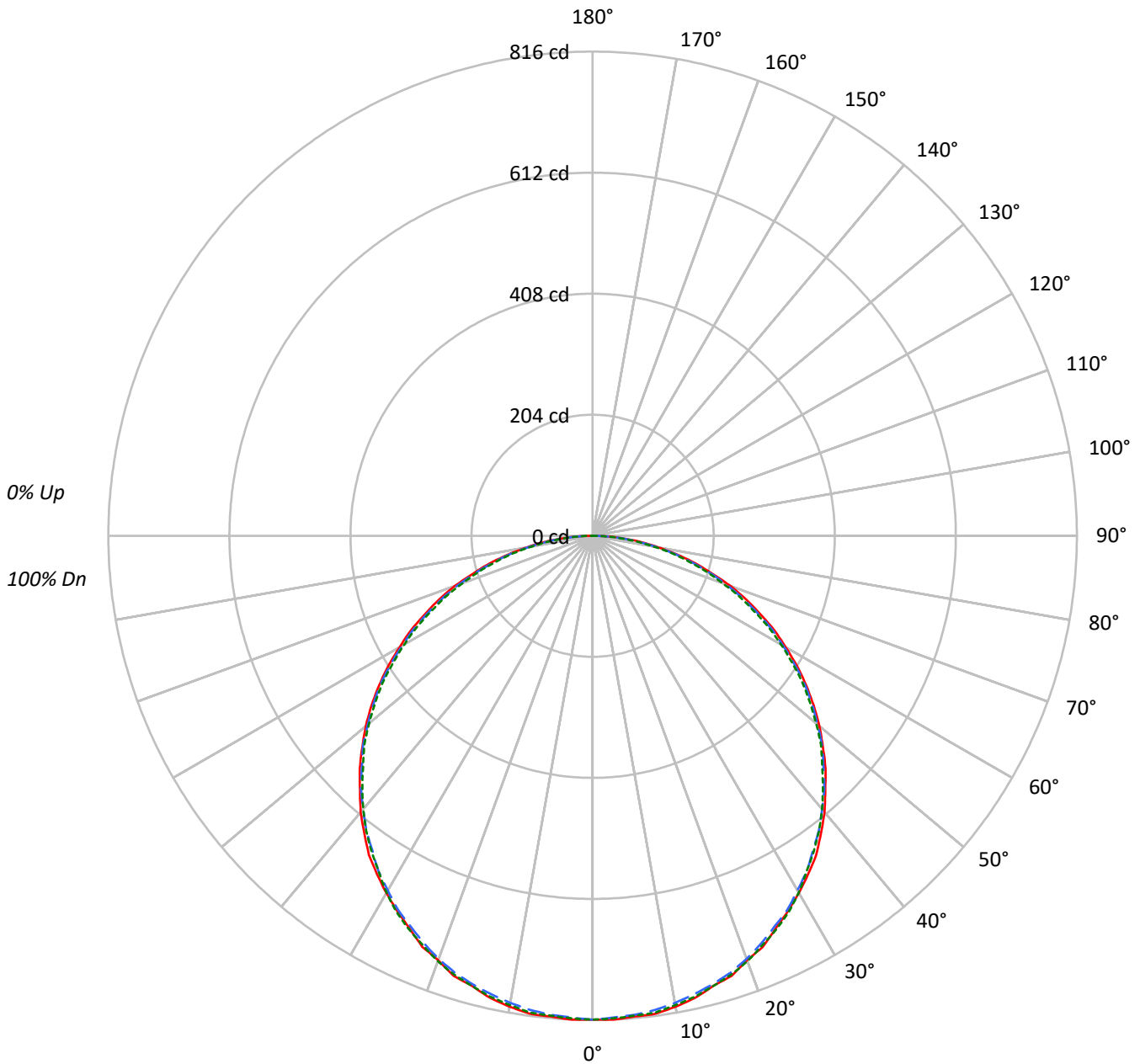
Lumens per Lamp: N/A
Luminaire Lumens: 2400.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.33' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{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

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Luminous Intensity Polar Plot





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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°	6870	6870	6870
5°	6877	6853	6865
10°	6894	6837	6869
15°	6849	6823	6849
20°	6821	6801	6841
25°	6784	6750	6805
30°	6762	6713	6755
35°	6755	6657	6679
40°	6687	6614	6614
45°	6612	6550	6515
50°	6538	6481	6441
55°	6449	6406	6342
60°	6330	6242	6180
65°	6193	6089	5972
70°	6071	5889	5707
75°	5836	5621	5478
80°	5443	5263	5050
85°	5065	4707	4494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	3.2
10°-20°	221.9	9.2
20°-30°	336.8	14.0
30°-40°	407.6	17.0
40°-50°	425.8	17.7
50°-60°	389.2	16.2
60°-70°	303.0	12.6
70°-80°	183.0	7.6
80°-90°	55.4	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°	636.0	26.5
0°-40°	1043.6	43.5
0°-60°	1858.5	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°	813	816	810	813	812	77
15°	785	788	782	788	785	222
25°	730	734	726	732	732	337
35°	657	654	647	650	650	410
45°	555	559	550	549	547	428
55°	439	441	436	432	432	392
65°	311	309	306	301	300	309
75°	179	176	173	169	168	188
85°	52	51	49	46	46	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	815.5	815.5	815.5	815.5	815.5
2.5°	816.3	818.5	812.6	817.0	814.1
5°	813.3	815.5	810.4	813.3	811.8
7.5°	812.6	810.4	805.9	808.9	810.4
10°	805.9	805.2	799.3	804.5	803.0
12.5°	797.8	798.6	791.2	797.8	795.6
15°	785.3	787.5	782.3	787.5	785.3
17.5°	777.9	777.2	772.0	775.7	775.7
20°	760.9	765.3	758.7	762.4	763.1
22.5°	749.8	749.1	743.2	743.9	746.9
25°	729.9	734.3	726.2	732.1	732.1
27.5°	712.9	715.9	710.7	712.9	715.2
30°	695.2	696.0	690.1	693.0	694.5
32.5°	676.0	677.5	670.9	673.1	670.9
35°	656.9	653.9	647.3	649.5	649.5
37.5°	631.8	632.5	625.9	627.3	626.6
40°	608.1	608.9	601.5	602.2	601.5
42.5°	580.1	582.3	577.9	576.4	574.2
45°	555.0	558.7	549.8	549.1	546.9
47.5°	526.2	528.4	524.7	520.3	521.8
50°	498.9	501.1	494.5	493.0	491.5
52.5°	469.4	471.6	465.7	462.7	461.3
55°	439.1	440.6	436.2	431.8	431.8
57.5°	408.1	408.1	403.7	400.0	398.5
60°	375.7	376.4	370.5	367.5	366.8
62.5°	345.4	346.1	339.5	335.8	334.3
65°	310.7	309.2	305.5	301.1	299.6
67.5°	279.7	278.2	272.3	269.4	267.9
70°	246.5	242.8	239.1	235.4	231.7
72.5°	210.3	209.6	205.9	202.2	200.0
75°	179.3	176.4	172.7	169.0	168.3
77.5°	145.4	144.7	141.7	137.3	137.3
80°	112.2	112.2	108.5	106.3	104.1
82.5°	83.4	81.9	78.2	76.0	74.5
85°	52.4	50.9	48.7	46.5	46.5
87.5°	23.6	22.1	22.1	20.7	20.7
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)