

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: P856478

Luminaire Tested: **4MMS6-L3C5-UNV-MEDIUM-3000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856478
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-3000K
Description: 4x6" Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 3000K settings
Light Source: -
Ballast/Driver: -

Summary

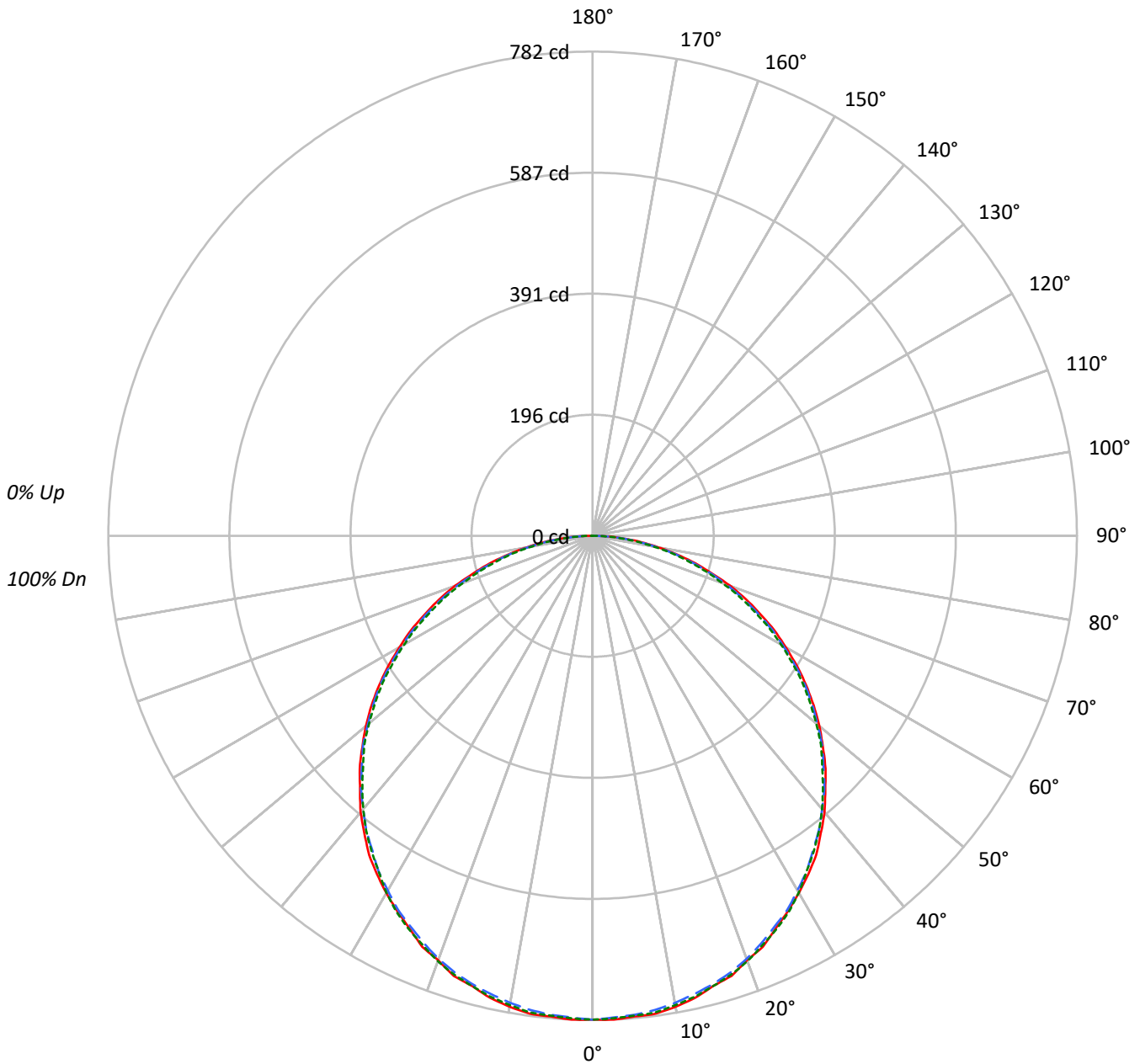
Lumens per Lamp: N/A
Luminaire Lumens: 2300.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.33' x L: 3.83' x H: 0')
CIE Type: Direct

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°	6584	6584	6584
5°	6591	6567	6579
10°	6607	6552	6582
15°	6563	6538	6563
20°	6537	6518	6556
25°	6502	6469	6521
30°	6481	6433	6474
35°	6474	6379	6401
40°	6409	6338	6338
45°	6337	6277	6244
50°	6266	6211	6174
55°	6180	6139	6077
60°	6065	5983	5922
65°	5936	5836	5725
70°	5818	5645	5470
75°	5595	5387	5250
80°	5215	5045	4837
85°	4852	4514	4311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	3.2
10°-20°	212.7	9.2
20°-30°	322.7	14.0
30°-40°	390.6	17.0
40°-50°	408.0	17.7
50°-60°	372.9	16.2
60°-70°	290.4	12.6
70°-80°	175.4	7.6
80°-90°	53.1	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°	609.5	26.5
0°-40°	1000.1	43.5
0°-60°	1781.1	77.4
0°-90°	2300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	779	782	777	779	778	74
15°	753	755	750	755	753	213
25°	700	704	696	702	702	323
35°	630	627	620	622	622	393
45°	532	535	527	526	524	410
55°	421	422	418	414	414	376
65°	298	296	293	289	287	296
75°	172	169	166	162	161	181
85°	50	49	47	45	45	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.6	781.6	781.6	781.6	781.6
2.5°	782.3	784.4	778.7	783.0	780.1
5°	779.4	781.6	776.6	779.4	778.0
7.5°	778.7	776.6	772.4	775.2	776.6
10°	772.4	771.6	766.0	770.9	769.5
12.5°	764.6	765.3	758.2	764.6	762.5
15°	752.6	754.7	749.7	754.7	752.6
17.5°	745.5	744.8	739.8	743.4	743.4
20°	729.2	733.5	727.1	730.6	731.3
22.5°	718.6	717.9	712.2	712.9	715.8
25°	699.5	703.7	696.0	701.6	701.6
27.5°	683.2	686.1	681.1	683.2	685.4
30°	666.3	667.0	661.3	664.1	665.6
32.5°	647.9	649.3	642.9	645.0	642.9
35°	629.5	626.7	620.3	622.4	622.4
37.5°	605.4	606.1	599.8	601.2	600.5
40°	582.8	583.5	576.4	577.1	576.4
42.5°	555.9	558.0	553.8	552.4	550.3
45°	531.9	535.4	526.9	526.2	524.1
47.5°	504.3	506.4	502.9	498.6	500.1
50°	478.1	480.2	473.9	472.5	471.1
52.5°	449.8	452.0	446.3	443.5	442.1
55°	420.8	422.2	418.0	413.8	413.8
57.5°	391.1	391.1	386.9	383.3	381.9
60°	360.0	360.7	355.1	352.2	351.5
62.5°	331.0	331.7	325.4	321.8	320.4
65°	297.8	296.4	292.8	288.6	287.2
67.5°	268.1	266.6	261.0	258.2	256.7
70°	236.2	232.7	229.2	225.6	222.1
72.5°	201.6	200.9	197.3	193.8	191.7
75°	171.9	169.0	165.5	162.0	161.3
77.5°	139.3	138.6	135.8	131.6	131.6
80°	107.5	107.5	104.0	101.8	99.7
82.5°	79.9	78.5	75.0	72.9	71.4
85°	50.2	48.8	46.7	44.6	44.6
87.5°	22.6	21.2	21.2	19.8	19.8
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)