

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: P856447

Luminaire Tested: **12MMS-L3C5-UNV-MEDIUM-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856447
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-MEDIUM-4000K
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

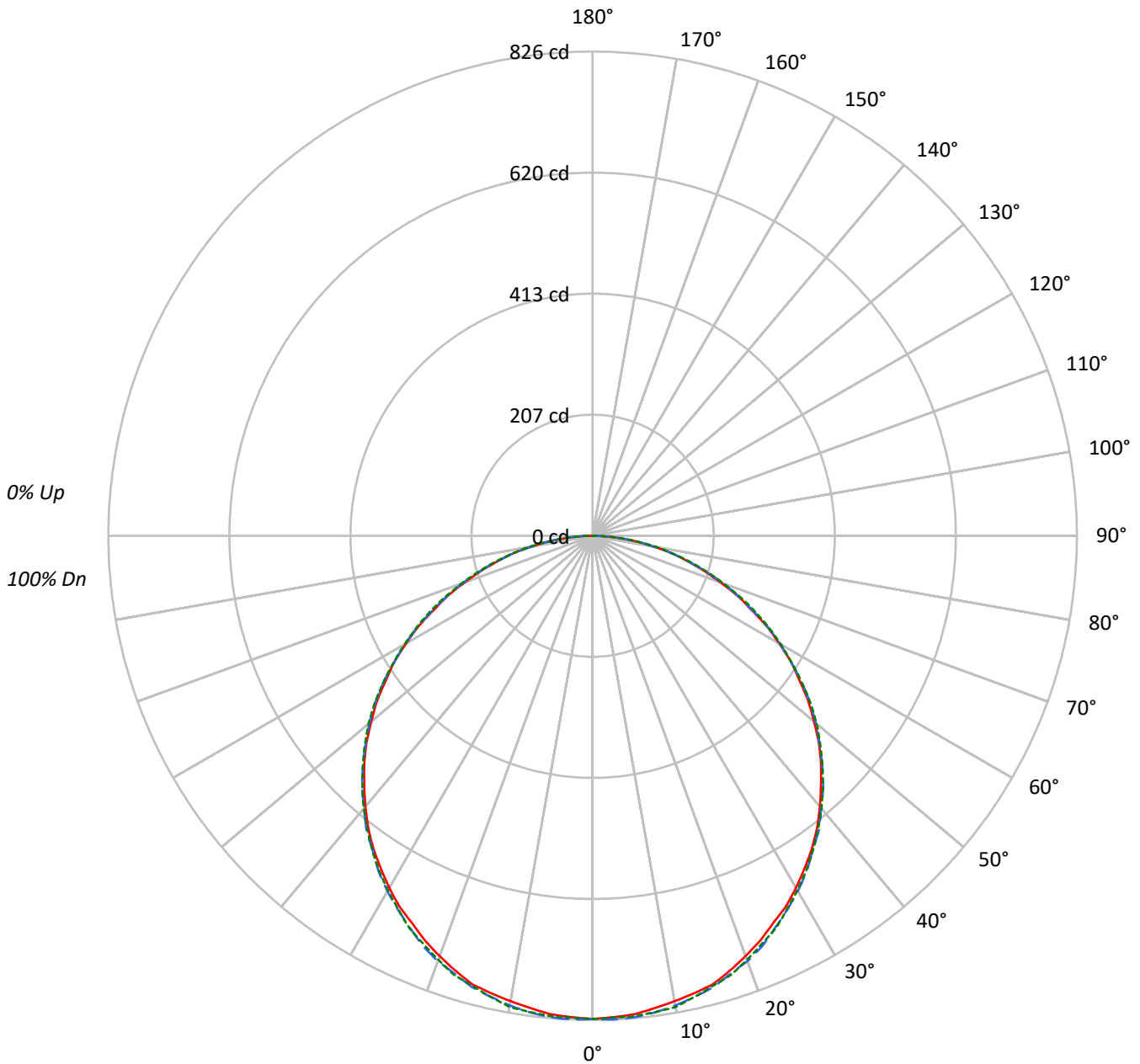
Lumens per Lamp: N/A
Luminaire Lumens: 2400.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 1.83' x H: 0')
CIE Type: Direct

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	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°	5808	5808	5808
5°	5795	5830	5819
10°	5768	5821	5839
15°	5778	5813	5796
20°	5721	5790	5771
25°	5667	5732	5745
30°	5641	5695	5681
35°	5607	5628	5635
40°	5546	5576	5584
45°	5487	5520	5520
50°	5400	5445	5464
55°	5288	5348	5348
60°	5177	5201	5224
65°	4978	5020	5088
70°	4767	4851	4886
75°	4560	4584	4696
80°	4240	4272	4475
85°	3751	3824	3953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	3.3
10°-20°	224.1	9.3
20°-30°	339.2	14.1
30°-40°	409.5	17.1
40°-50°	426.8	17.8
50°-60°	388.4	16.2
60°-70°	299.8	12.5
70°-80°	179.9	7.5
80°-90°	54.1	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°	641.5	26.7
0°-40°	1051.0	43.8
0°-60°	1866.2	77.8
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°	824	824	824	824	824	
5°	819	820	824	824	823	78
15°	792	794	797	795	795	223
25°	729	736	737	736	739	337
35°	652	655	654	657	655	407
45°	551	552	554	554	554	424
55°	430	435	435	435	435	386
65°	299	302	301	304	305	297
75°	168	170	168	172	172	178
85°	46	46	47	48	49	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	824.4	824.4	824.4	824.4	824.4
2.5°	821.9	823.6	826.1	826.1	822.8
5°	819.4	820.3	824.4	823.6	822.8
7.5°	812.8	816.1	820.3	820.3	819.4
10°	806.2	810.3	813.6	814.5	816.1
12.5°	799.5	802.0	805.3	807.0	805.3
15°	792.1	793.7	797.0	795.4	794.6
17.5°	778.0	780.5	782.9	782.9	785.4
20°	763.0	764.7	772.2	772.2	769.7
22.5°	747.3	749.8	757.2	753.9	753.9
25°	729.0	735.7	737.3	736.5	739.0
27.5°	713.3	715.8	719.1	719.9	718.3
30°	693.4	695.9	700.0	698.3	698.3
32.5°	672.6	675.1	679.3	678.4	677.6
35°	651.9	655.2	654.4	656.9	655.2
37.5°	628.7	628.7	633.7	632.0	631.2
40°	603.0	605.5	606.3	607.1	607.1
42.5°	576.4	579.7	582.2	580.6	581.4
45°	550.7	551.5	554.0	554.0	554.0
47.5°	523.3	525.0	525.0	526.7	526.7
50°	492.7	496.0	496.8	499.3	498.5
52.5°	463.6	463.6	466.9	468.6	468.6
55°	430.5	434.6	435.4	435.4	435.4
57.5°	401.4	403.1	401.4	403.9	402.3
60°	367.4	369.1	369.1	370.7	370.7
62.5°	335.1	335.9	336.7	338.4	338.4
65°	298.6	301.9	301.1	304.4	305.2
67.5°	267.1	268.7	268.7	271.2	272.0
70°	231.4	234.7	235.5	238.9	237.2
72.5°	199.1	201.5	203.2	204.0	204.0
75°	167.5	170.0	168.4	171.7	172.5
77.5°	138.5	136.8	137.7	139.3	139.3
80°	104.5	106.2	105.3	107.0	110.3
82.5°	75.5	76.3	77.1	78.0	78.0
85°	46.4	46.4	47.3	48.1	48.9
87.5°	20.7	21.6	21.6	20.7	21.6
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)