

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: P856445

Luminaire Tested: **12MMS-L3C5-UNV-MEDIUM-3000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856445
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-3000K
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 3000K settings
Light Source: -
Ballast/Driver: -

Summary

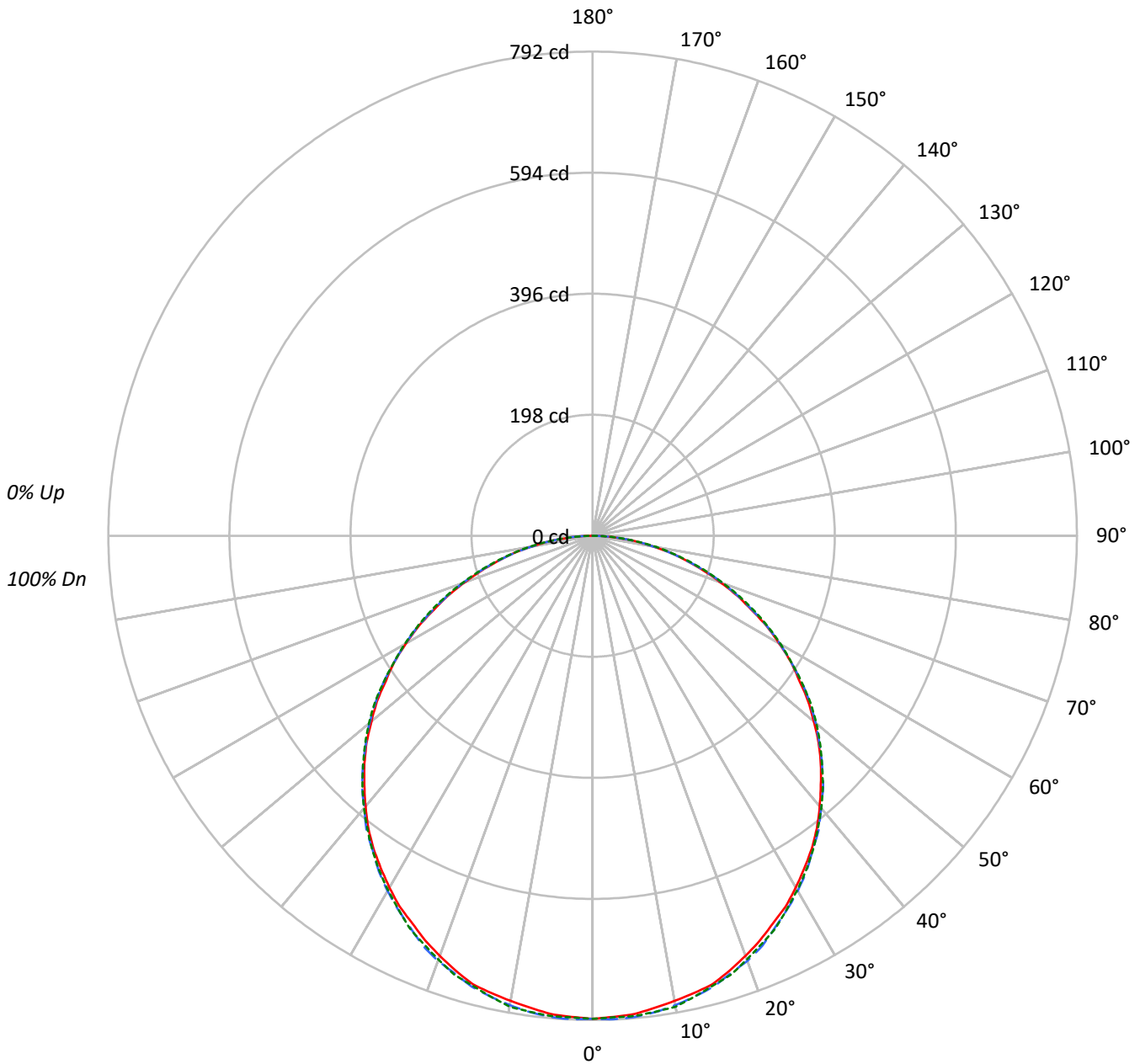
Lumens per Lamp: N/A
Luminaire Lumens: 2300.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 1.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P856445

CATALOG NUMBER: 12MMS-L3C5-UNV-MEDIUM-3000K

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°	5567	5567	5567
5°	5554	5588	5577
10°	5527	5578	5595
15°	5537	5571	5554
20°	5482	5548	5530
25°	5432	5493	5505
30°	5406	5457	5444
35°	5373	5394	5401
40°	5314	5344	5351
45°	5259	5290	5290
50°	5175	5218	5236
55°	5067	5126	5126
60°	4961	4984	5007
65°	4770	4810	4876
70°	4569	4649	4682
75°	4372	4394	4500
80°	4061	4094	4289
85°	3597	3662	3791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	3.3
10°-20°	214.8	9.3
20°-30°	325.1	14.1
30°-40°	392.5	17.1
40°-50°	409.0	17.8
50°-60°	372.3	16.2
60°-70°	287.3	12.5
70°-80°	172.3	7.5
80°-90°	51.9	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°	614.8	26.7
0°-40°	1007.2	43.8
0°-60°	1788.5	77.8
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°	790	790	790	790	790	
5°	785	786	790	789	788	75
15°	759	761	764	762	762	214
25°	699	705	707	706	708	323
35°	625	628	627	630	628	390
45°	528	529	531	531	531	407
55°	412	416	417	417	417	370
65°	286	289	288	292	292	285
75°	161	163	161	164	165	170
85°	44	44	45	46	47	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.1	790.1	790.1	790.1	790.1
2.5°	787.7	789.3	791.7	791.7	788.5
5°	785.3	786.1	790.1	789.3	788.5
7.5°	778.9	782.1	786.1	786.1	785.3
10°	772.6	776.6	779.7	780.5	782.1
12.5°	766.2	768.6	771.8	773.4	771.8
15°	759.1	760.7	763.8	762.2	761.5
17.5°	745.6	747.9	750.3	750.3	752.7
20°	731.2	732.8	740.0	740.0	737.6
22.5°	716.1	718.5	725.7	722.5	722.5
25°	698.7	705.0	706.6	705.8	708.2
27.5°	683.6	685.9	689.1	689.9	688.3
30°	664.5	666.9	670.8	669.2	669.2
32.5°	644.6	647.0	651.0	650.2	649.4
35°	624.7	627.9	627.1	629.5	627.9
37.5°	602.5	602.5	607.3	605.7	604.9
40°	577.8	580.2	581.0	581.8	581.8
42.5°	552.4	555.6	558.0	556.4	557.2
45°	527.8	528.6	530.9	530.9	530.9
47.5°	501.5	503.1	503.1	504.7	504.7
50°	472.1	475.3	476.1	478.5	477.7
52.5°	444.3	444.3	447.5	449.1	449.1
55°	412.5	416.5	417.3	417.3	417.3
57.5°	384.7	386.3	384.7	387.1	385.5
60°	352.1	353.7	353.7	355.3	355.3
62.5°	321.1	321.9	322.7	324.3	324.3
65°	286.1	289.3	288.5	291.7	292.5
67.5°	255.9	257.5	257.5	259.9	260.7
70°	221.8	224.9	225.7	228.9	227.3
72.5°	190.8	193.1	194.7	195.5	195.5
75°	160.6	162.9	161.4	164.5	165.3
77.5°	132.7	131.1	131.9	133.5	133.5
80°	100.1	101.7	100.9	102.5	105.7
82.5°	72.3	73.1	73.9	74.7	74.7
85°	44.5	44.5	45.3	46.1	46.9
87.5°	19.9	20.7	20.7	19.9	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)