

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: P856432

Luminaire Tested: **11MMS-L3C5-UNV-MEDIUM-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 11MMS-L3C5-UNV-MEDIUM-4000K
Description: 1x1 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

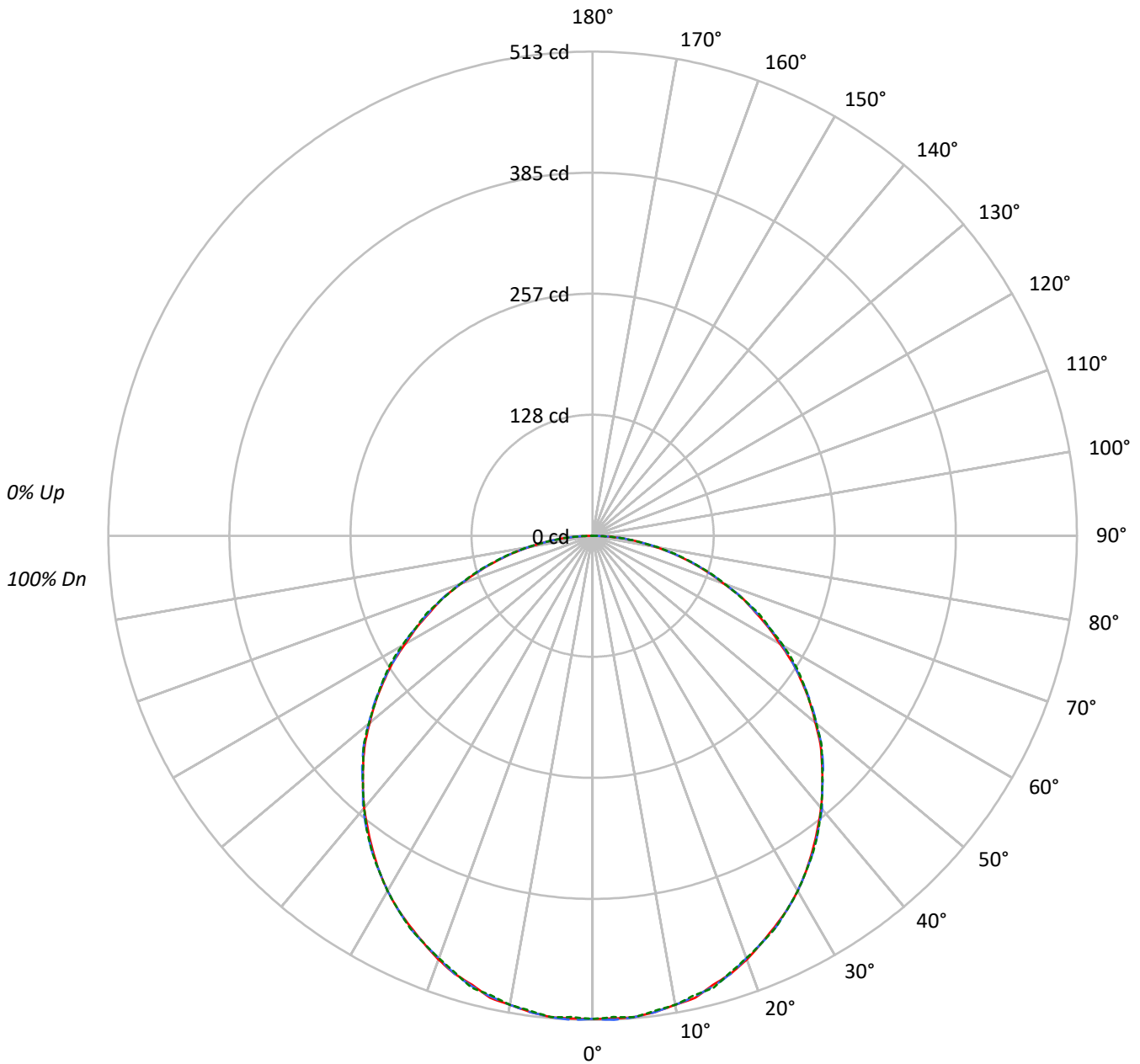
Lumens per Lamp: N/A
Luminaire Lumens: 1500.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
CIE Type: Direct

Input Watts (W): 14.2
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	77	73	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	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7934	7934	7934
5°	7965	7965	7965
10°	7940	7940	7940
15°	7905	7929	7953
20°	7880	7855	7855
25°	7814	7838	7838
30°	7777	7777	7777
35°	7688	7716	7716
40°	7618	7648	7618
45°	7536	7569	7536
50°	7427	7463	7463
55°	7318	7358	7358
60°	7105	7198	7242
65°	6932	6987	7097
70°	6676	6743	6743
75°	6414	6504	6504
80°	5980	6114	6239
85°	5566	5566	5566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	3.2
10°-20°	139.2	9.3
20°-30°	210.8	14.1
30°-40°	254.6	17.0
40°-50°	265.8	17.7
50°-60°	242.9	16.2
60°-70°	188.8	12.6
70°-80°	114.5	7.6
80°-90°	34.8	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°	398.5	26.6
0°-40°	653.2	43.5
0°-60°	1161.9	77.5
0°-90°	1500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	512	510	512	510	512	49
15°	493	493	494	494	496	139
25°	457	457	458	457	458	211
35°	406	406	408	406	408	254
45°	344	344	345	345	344	265
55°	271	272	272	272	272	242
65°	189	190	190	192	194	188
75°	107	109	109	110	109	113
85°	31	31	31	31	31	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	511.9	511.9	511.9	511.9	511.9
2.5°	511.9	511.9	513.4	511.9	510.4
5°	511.9	510.4	511.9	510.4	511.9
7.5°	508.9	507.5	508.9	508.9	507.5
10°	504.5	504.5	504.5	504.5	504.5
12.5°	501.5	500.0	500.0	500.0	498.5
15°	492.6	492.6	494.1	494.1	495.6
17.5°	486.6	483.6	486.6	486.6	485.1
20°	477.7	477.7	476.2	476.2	476.2
22.5°	467.3	467.3	467.3	468.8	467.3
25°	456.9	456.9	458.3	456.9	458.3
27.5°	446.4	445.0	446.4	446.4	446.4
30°	434.5	433.1	434.5	433.1	434.5
32.5°	421.1	421.1	421.1	421.1	421.1
35°	406.3	406.3	407.8	406.3	407.8
37.5°	391.4	391.4	392.9	392.9	392.9
40°	376.5	376.5	378.0	378.0	376.5
42.5°	360.1	360.1	360.1	361.6	360.1
45°	343.8	343.8	345.3	345.3	343.8
47.5°	327.4	327.4	328.9	328.9	328.9
50°	308.0	309.5	309.5	309.5	309.5
52.5°	290.2	291.7	291.7	291.7	290.2
55°	270.8	272.3	272.3	272.3	272.3
57.5°	251.5	250.0	251.5	253.0	254.5
60°	229.2	232.2	232.2	232.2	233.6
62.5°	209.8	211.3	211.3	211.3	211.3
65°	189.0	190.5	190.5	192.0	193.5
67.5°	171.1	169.6	171.1	169.6	169.6
70°	147.3	148.8	148.8	150.3	148.8
72.5°	128.0	128.0	128.0	129.5	129.5
75°	107.1	108.6	108.6	110.1	108.6
77.5°	87.8	87.8	87.8	87.8	89.3
80°	67.0	68.5	68.5	68.5	69.9
82.5°	49.1	49.1	49.1	49.1	49.1
85°	31.3	31.3	31.3	31.3	31.3
87.5°	13.4	13.4	13.4	13.4	13.4
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)