

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: P856429

Luminaire Tested: **11MMS-L3C5-UNV-MEDIUM-2700K**

Issue Date: 7/30/2024

Test Information

Test Method: LM-79-08
Report Number: P856429
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-2700K
Description: 1x1 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 2700K settings
Light Source: -
Ballast/Driver: -

Summary

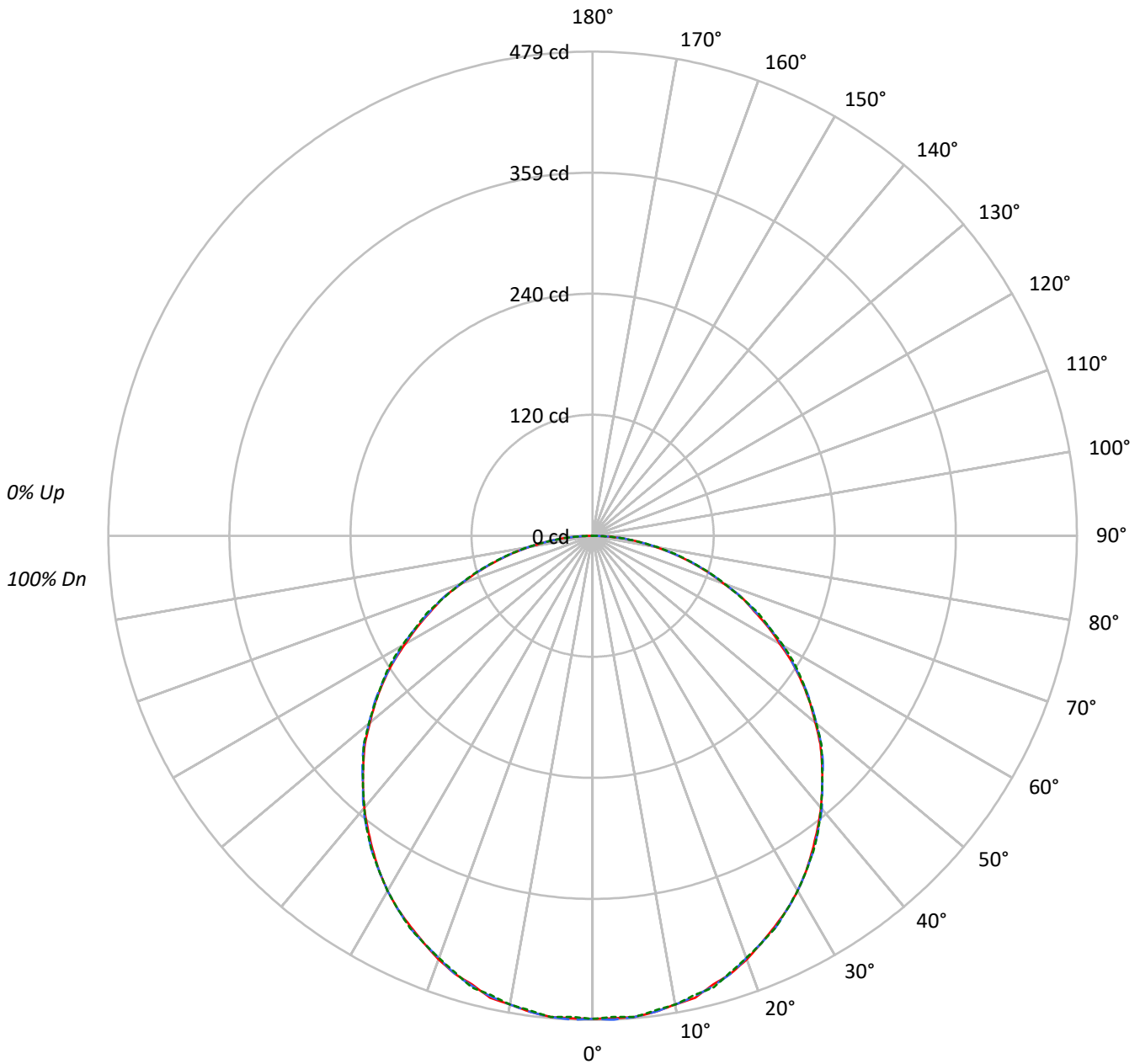
Lumens per Lamp: N/A
Luminaire Lumens: 1400.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
CIE Type: Direct

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°	7406	7406	7406
5°	7434	7434	7434
10°	7410	7410	7410
15°	7377	7399	7422
20°	7353	7332	7332
25°	7292	7316	7316
30°	7259	7259	7259
35°	7175	7202	7202
40°	7110	7139	7110
45°	7032	7063	7032
50°	6933	6966	6966
55°	6832	6869	6869
60°	6631	6718	6761
65°	6470	6521	6624
70°	6231	6295	6295
75°	5989	6073	6073
80°	5579	5704	5829
85°	5193	5193	5193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	3.2
10°-20°	129.9	9.3
20°-30°	196.7	14.1
30°-40°	237.7	17.0
40°-50°	248.1	17.7
50°-60°	226.7	16.2
60°-70°	176.2	12.6
70°-80°	106.8	7.6
80°-90°	32.5	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°	372.0	26.6
0°-40°	609.6	43.5
0°-60°	1084.4	77.5
0°-90°	1400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	478	476	478	476	478	45
15°	460	460	461	461	462	130
25°	426	426	428	426	428	197
35°	379	379	381	379	381	237
45°	321	321	322	322	321	248
55°	253	254	254	254	254	226
65°	176	178	178	179	181	175
75°	100	101	101	103	101	106
85°	29	29	29	29	29	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	477.8	477.8	477.8	477.8	477.8
2.5°	477.8	477.8	479.2	477.8	476.4
5°	477.8	476.4	477.8	476.4	477.8
7.5°	475.0	473.6	475.0	475.0	473.6
10°	470.8	470.8	470.8	470.8	470.8
12.5°	468.1	466.7	466.7	466.7	465.3
15°	459.7	459.7	461.1	461.1	462.5
17.5°	454.2	451.4	454.2	454.2	452.8
20°	445.8	445.8	444.5	444.5	444.5
22.5°	436.1	436.1	436.1	437.5	436.1
25°	426.4	426.4	427.8	426.4	427.8
27.5°	416.7	415.3	416.7	416.7	416.7
30°	405.6	404.2	405.6	404.2	405.6
32.5°	393.1	393.1	393.1	393.1	393.1
35°	379.2	379.2	380.6	379.2	380.6
37.5°	365.3	365.3	366.7	366.7	366.7
40°	351.4	351.4	352.8	352.8	351.4
42.5°	336.1	336.1	336.1	337.5	336.1
45°	320.8	320.8	322.2	322.2	320.8
47.5°	305.6	305.6	307.0	307.0	307.0
50°	287.5	288.9	288.9	288.9	288.9
52.5°	270.8	272.2	272.2	272.2	270.8
55°	252.8	254.2	254.2	254.2	254.2
57.5°	234.7	233.3	234.7	236.1	237.5
60°	213.9	216.7	216.7	216.7	218.1
62.5°	195.8	197.2	197.2	197.2	197.2
65°	176.4	177.8	177.8	179.2	180.6
67.5°	159.7	158.3	159.7	158.3	158.3
70°	137.5	138.9	138.9	140.3	138.9
72.5°	119.4	119.4	119.4	120.8	120.8
75°	100.0	101.4	101.4	102.8	101.4
77.5°	81.9	81.9	81.9	81.9	83.3
80°	62.5	63.9	63.9	63.9	65.3
82.5°	45.8	45.8	45.8	45.8	45.8
85°	29.2	29.2	29.2	29.2	29.2
87.5°	12.5	12.5	12.5	12.5	12.5
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)