

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: P856514

Luminaire Tested: **14MMS-L3C3-UNV-HIGH-5000K**

Issue Date: 7/30/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14MMS-L3C3-UNV-HIGH-5000K  
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 5000K settings  
Light Source: -  
Ballast/Driver: -

**Summary**

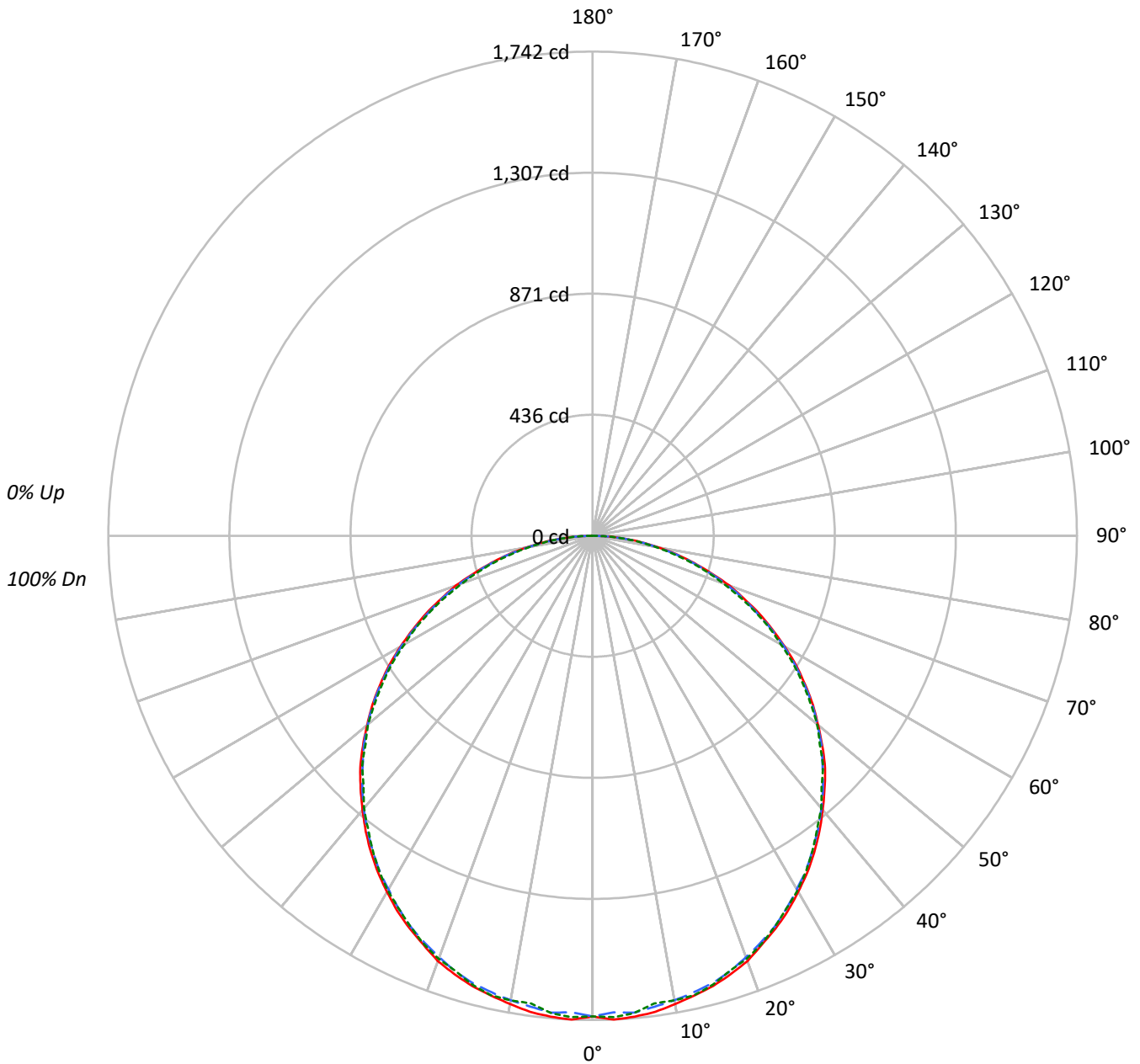
Lumens per Lamp: N/A  
Luminaire Lumens: 5107.0 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	93	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	57																			
4	82	69	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	44	39	50	44	39	37																			
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	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	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5827	5827	5827
5°	5874	5824	5829
10°	5852	5806	5806
15°	5849	5813	5833
20°	5839	5786	5808
25°	5793	5766	5766
30°	5755	5716	5733
35°	5718	5676	5676
40°	5665	5632	5626
45°	5635	5573	5586
50°	5548	5533	5525
55°	5479	5453	5410
60°	5379	5349	5270
65°	5268	5175	5128
70°	5156	5040	4910
75°	4909	4834	4700
80°	4680	4566	4397
85°	4295	4183	4013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.9	3.2
10°-20°	470.6	9.2
20°-30°	715.3	14.0
30°-40°	864.8	16.9
40°-50°	905.0	17.7
50°-60°	829.3	16.2
60°-70°	645.2	12.6
70°-80°	391.9	7.7
80°-90°	120.9	2.4
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°	1349.8	26.4
0°-40°	2214.6	43.4
0°-60°	3949.0	77.3
0°-90°	5107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5107.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1729	1729	1729	1729	1729	
5°	1736	1726	1722	1725	1723	165
15°	1677	1658	1666	1669	1672	473
25°	1558	1548	1551	1554	1551	718
35°	1390	1381	1380	1383	1380	869
45°	1182	1175	1169	1174	1172	910
55°	933	933	928	924	921	834
65°	661	659	649	649	643	653
75°	377	377	371	364	361	400
85°	111	108	108	105	104	124
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1729.2	1729.2	1729.2	1729.2	1729.2
2.5°	1742.4	1727.7	1716.0	1729.2	1733.6
5°	1736.5	1726.3	1721.9	1724.8	1723.4
7.5°	1727.7	1717.5	1708.7	1720.4	1697.0
10°	1710.2	1698.5	1697.0	1705.8	1697.0
12.5°	1694.1	1685.3	1682.4	1689.7	1692.7
15°	1676.6	1657.6	1666.3	1669.3	1672.2
17.5°	1653.2	1637.1	1643.0	1648.8	1641.5
20°	1628.3	1612.3	1613.7	1618.1	1619.6
22.5°	1591.8	1584.5	1583.0	1590.3	1588.9
25°	1558.2	1547.9	1550.9	1553.8	1550.9
27.5°	1521.6	1511.4	1511.4	1521.6	1511.4
30°	1479.2	1470.5	1469.0	1473.4	1473.4
32.5°	1436.9	1428.1	1428.1	1428.1	1429.6
35°	1390.1	1381.3	1379.9	1382.8	1379.9
37.5°	1340.4	1334.5	1331.6	1331.6	1327.2
40°	1287.8	1283.4	1280.5	1280.5	1279.0
42.5°	1235.1	1230.8	1226.4	1224.9	1219.1
45°	1182.5	1175.2	1169.4	1173.8	1172.3
47.5°	1121.1	1122.6	1116.7	1110.9	1108.0
50°	1058.3	1058.3	1055.4	1055.4	1053.9
52.5°	998.3	996.9	995.4	988.1	986.7
55°	932.6	932.6	928.2	923.8	920.9
57.5°	868.3	868.3	862.4	856.6	855.1
60°	798.1	798.1	793.7	787.9	782.0
62.5°	727.9	727.9	722.1	716.2	716.2
65°	660.7	659.2	649.0	649.0	643.2
67.5°	587.6	586.1	583.2	575.9	570.1
70°	523.3	517.4	511.6	504.3	498.4
72.5°	445.8	447.3	438.5	434.1	431.2
75°	377.1	377.1	371.3	364.0	361.0
77.5°	309.9	307.0	304.0	299.7	292.3
80°	241.2	241.2	235.3	229.5	226.6
82.5°	176.9	173.9	171.0	165.2	168.1
85°	111.1	108.2	108.2	105.2	103.8
87.5°	48.2	49.7	48.2	49.7	49.7
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)