

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: P856513

Luminaire Tested: **14MMS-L3C3-UNV-HIGH-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856513
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-4000K
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel atHIGH and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

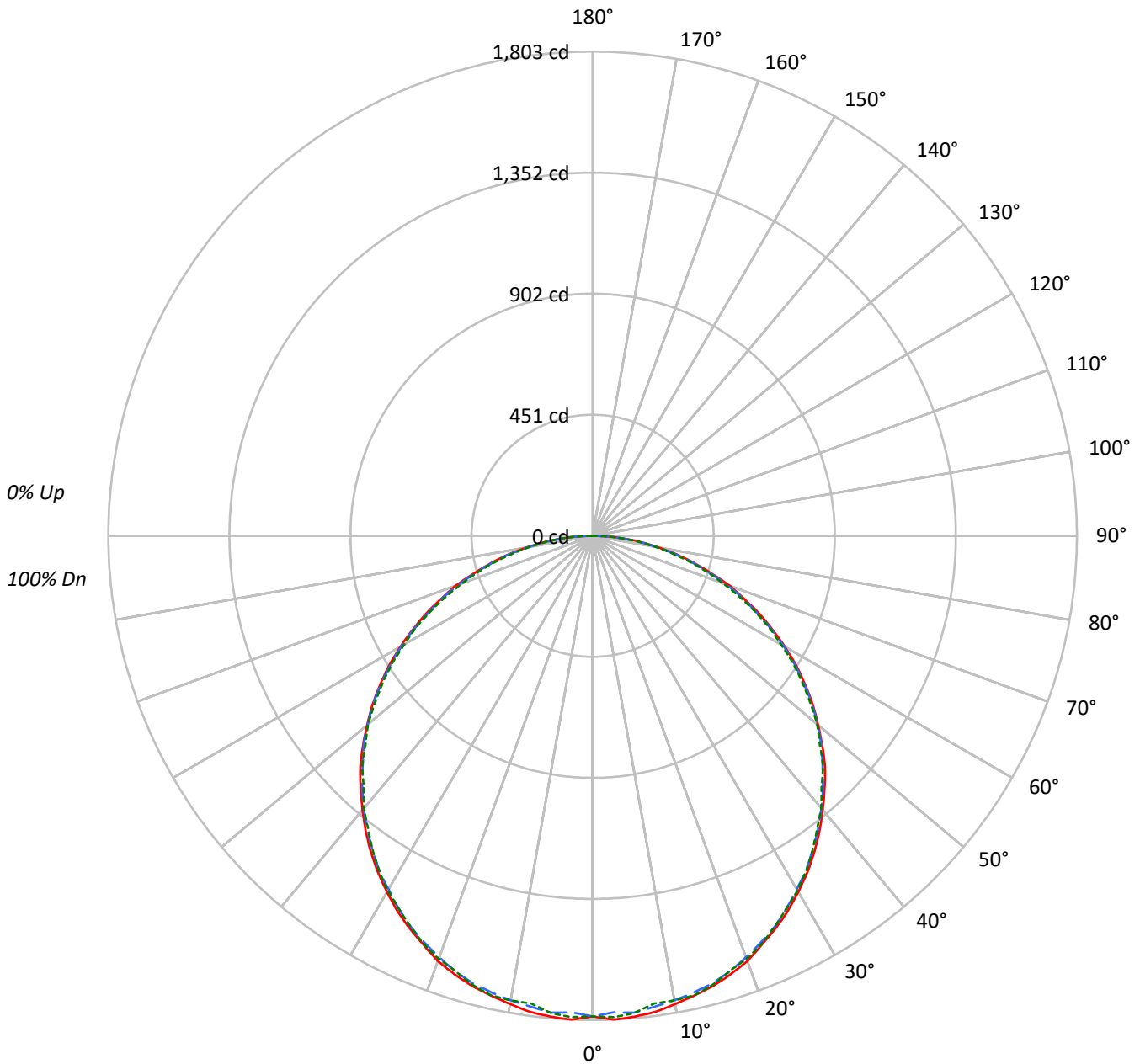
Lumens per Lamp: N/A
Luminaire Lumens: 5286.0 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.3
Input Voltage (V): NR
Input Current (Ain): 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°	6031	6031	6031
5°	6080	6028	6034
10°	6056	6010	6010
15°	6053	6017	6038
20°	6044	5989	6011
25°	5996	5968	5968
30°	5957	5916	5934
35°	5918	5875	5875
40°	5863	5830	5823
45°	5833	5768	5782
50°	5742	5726	5718
55°	5671	5644	5600
60°	5567	5536	5455
65°	5452	5356	5308
70°	5336	5217	5083
75°	5081	5003	4865
80°	4843	4727	4550
85°	4446	4330	4152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	3.2
10°-20°	487.1	9.2
20°-30°	740.4	14.0
30°-40°	895.1	16.9
40°-50°	936.7	17.7
50°-60°	858.4	16.2
60°-70°	667.8	12.6
70°-80°	405.7	7.7
80°-90°	125.2	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°	1397.1	26.4
0°-40°	2292.2	43.4
0°-60°	4087.3	77.3
0°-90°	5286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1790	1790	1790	1790	1790	
5°	1797	1787	1782	1785	1784	171
15°	1735	1716	1725	1728	1731	490
25°	1613	1602	1605	1608	1605	744
35°	1439	1430	1428	1431	1428	900
45°	1224	1216	1210	1215	1213	942
55°	965	965	961	956	953	863
65°	684	682	672	672	666	675
75°	390	390	384	377	374	414
85°	115	112	112	109	107	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1803.4	1788.3	1776.2	1789.8	1794.3
5°	1797.4	1786.8	1782.2	1785.3	1783.8
7.5°	1788.3	1777.7	1768.6	1780.7	1756.5
10°	1770.1	1758.0	1756.5	1765.6	1756.5
12.5°	1753.5	1744.4	1741.4	1749.0	1752.0
15°	1735.3	1715.7	1724.8	1727.8	1730.8
17.5°	1711.1	1694.5	1700.5	1706.6	1699.0
20°	1685.4	1668.8	1670.3	1674.8	1676.3
22.5°	1647.6	1640.0	1638.5	1646.1	1644.6
25°	1612.8	1602.2	1605.2	1608.3	1605.2
27.5°	1575.0	1564.4	1564.4	1575.0	1564.4
30°	1531.1	1522.0	1520.5	1525.0	1525.0
32.5°	1487.2	1478.1	1478.1	1478.1	1479.7
35°	1438.8	1429.7	1428.2	1431.2	1428.2
37.5°	1387.4	1381.3	1378.3	1378.3	1373.8
40°	1332.9	1328.4	1325.3	1325.3	1323.8
42.5°	1278.4	1273.9	1269.4	1267.8	1261.8
45°	1224.0	1216.4	1210.4	1214.9	1213.4
47.5°	1160.4	1161.9	1155.9	1149.8	1146.8
50°	1095.4	1095.4	1092.3	1092.3	1090.8
52.5°	1033.3	1031.8	1030.3	1022.7	1021.2
55°	965.3	965.3	960.7	956.2	953.2
57.5°	898.7	898.7	892.6	886.6	885.1
60°	826.1	826.1	821.5	815.5	809.4
62.5°	753.4	753.4	747.4	741.3	741.3
65°	683.8	682.3	671.7	671.7	665.7
67.5°	608.2	606.7	603.7	596.1	590.0
70°	541.6	535.6	529.5	522.0	515.9
72.5°	461.4	463.0	453.9	449.3	446.3
75°	390.3	390.3	384.3	376.7	373.7
77.5°	320.7	317.7	314.7	310.2	302.6
80°	249.6	249.6	243.6	237.5	234.5
82.5°	183.1	180.0	177.0	171.0	174.0
85°	115.0	112.0	112.0	108.9	107.4
87.5°	49.9	51.4	49.9	51.4	51.4
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)