

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: P856459

Luminaire Tested: **24MMS-L3C3-UNV-HIGH-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-35)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24MMS-L3C3-UNV-HIGH-4000K
Description: 2x4 Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 4000K settings
Light Source: -
Ballast/Driver: -

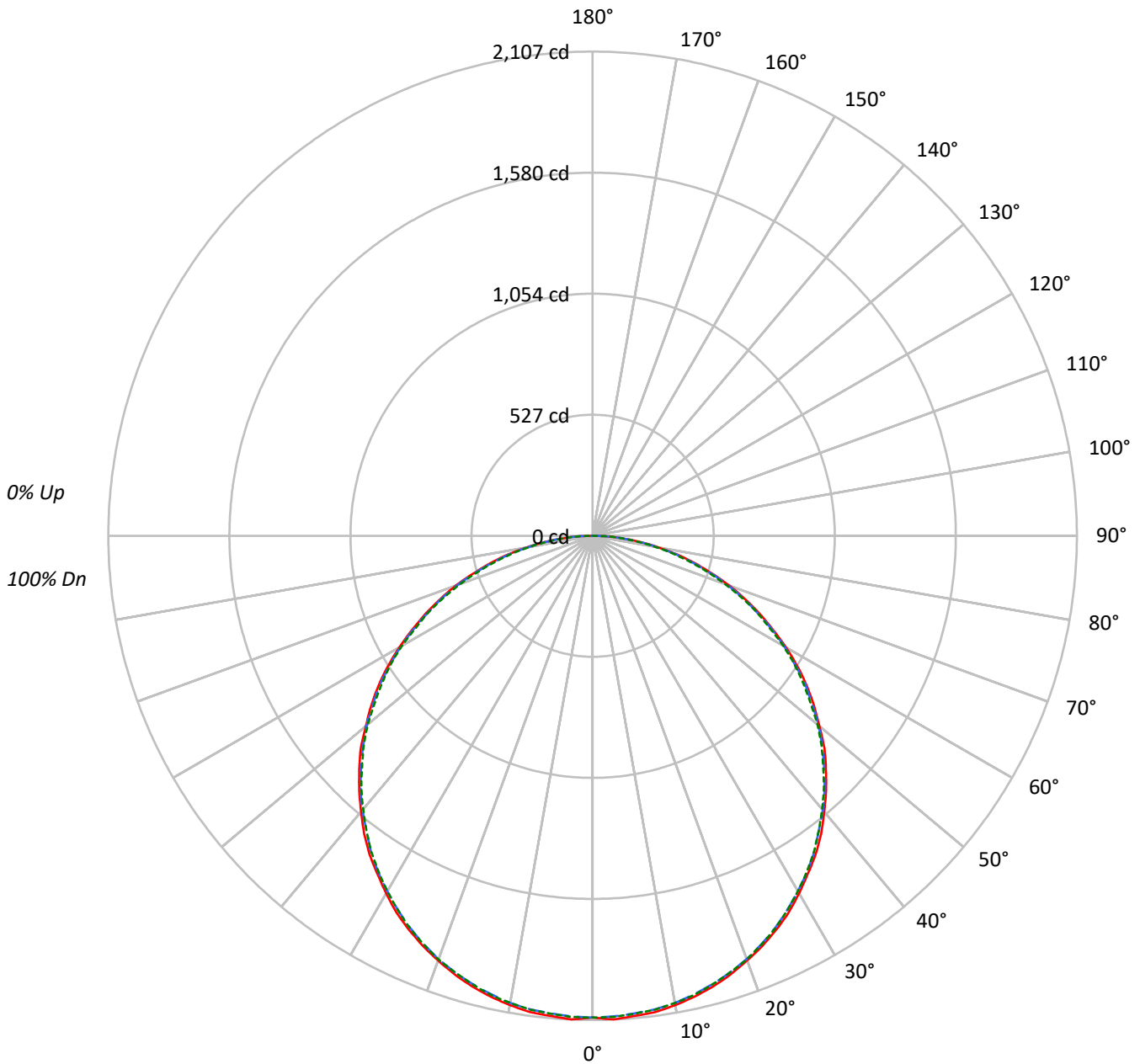
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6200.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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	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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	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°	3211	3211	3211
5°	3225	3207	3210
10°	3225	3211	3211
15°	3218	3202	3203
20°	3206	3195	3196
25°	3197	3179	3182
30°	3178	3159	3159
35°	3164	3141	3138
40°	3134	3115	3106
45°	3110	3086	3073
50°	3068	3056	3043
55°	3036	3016	2986
60°	2976	2951	2933
65°	2901	2864	2857
70°	2832	2794	2739
75°	2719	2664	2603
80°	2561	2494	2428
85°	2313	2262	2212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	3.2
10°-20°	570.6	9.2
20°-30°	867.7	14.0
30°-40°	1050.6	16.9
40°-50°	1099.6	17.7
50°-60°	1006.5	16.2
60°-70°	784.0	12.6
70°-80°	475.4	7.7
80°-90°	147.1	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°	1636.9	26.4
0°-40°	2687.5	43.3
0°-60°	4793.5	77.3
0°-90°	6200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6200.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2096	2096	2096	2096	2096	
5°	2097	2090	2086	2081	2088	200
15°	2030	2023	2019	2018	2020	573
25°	1892	1885	1881	1878	1883	872
35°	1692	1681	1680	1673	1678	1057
45°	1436	1426	1425	1418	1419	1107
55°	1137	1131	1130	1121	1118	1015
65°	801	798	790	783	788	793
75°	460	457	450	441	440	485
85°	132	133	129	129	126	150
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2096.4	2096.4	2096.4	2096.4	2096.4
2.5°	2106.8	2094.5	2093.6	2089.8	2095.5
5°	2097.4	2089.8	2086.1	2081.4	2088.0
7.5°	2090.8	2078.6	2078.6	2075.7	2079.5
10°	2073.9	2064.5	2064.5	2061.7	2064.5
12.5°	2054.1	2044.7	2042.9	2043.8	2046.6
15°	2029.7	2023.1	2019.4	2017.5	2020.3
17.5°	2000.6	1994.0	1992.1	1991.2	1992.1
20°	1966.7	1960.2	1960.2	1956.4	1961.1
22.5°	1931.0	1925.4	1922.6	1919.8	1923.5
25°	1891.6	1885.0	1881.2	1878.4	1883.1
27.5°	1848.3	1839.9	1835.2	1835.2	1836.1
30°	1796.7	1789.1	1786.3	1783.5	1786.3
32.5°	1743.1	1740.3	1735.6	1730.9	1733.7
35°	1692.4	1681.1	1680.1	1672.6	1678.3
37.5°	1633.2	1620.0	1616.2	1614.4	1616.2
40°	1567.4	1560.8	1558.0	1552.3	1553.3
42.5°	1503.5	1498.8	1494.1	1487.5	1489.4
45°	1435.8	1426.4	1424.6	1418.0	1418.9
47.5°	1368.2	1360.7	1355.0	1351.3	1350.3
50°	1287.4	1285.5	1282.7	1273.3	1277.0
52.5°	1214.1	1209.4	1203.7	1199.0	1194.3
55°	1137.0	1131.4	1129.5	1121.0	1118.2
57.5°	1056.2	1050.6	1044.9	1040.2	1041.2
60°	971.6	968.8	963.2	954.7	957.5
62.5°	884.2	886.1	876.7	870.1	866.4
65°	800.6	797.8	790.3	782.8	788.4
67.5°	716.0	713.2	708.5	700.1	700.1
70°	632.4	627.7	623.9	612.7	611.7
72.5°	542.2	542.2	534.7	528.1	523.4
75°	459.5	456.7	450.1	440.7	439.8
77.5°	376.8	369.3	366.5	359.0	358.0
80°	290.4	293.2	282.8	280.0	275.3
82.5°	210.5	209.5	207.7	201.1	198.3
85°	131.6	133.4	128.7	128.7	125.9
87.5°	63.0	62.0	62.0	63.0	63.9
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)