

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: P856462

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

Issue Date: 7/30/2024

Test Information

Test Method: LM-79-08
Report Number: P856462
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-LOW-4000K
Description: 2x4 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 4000K settings
Light Source: -
Ballast/Driver: -

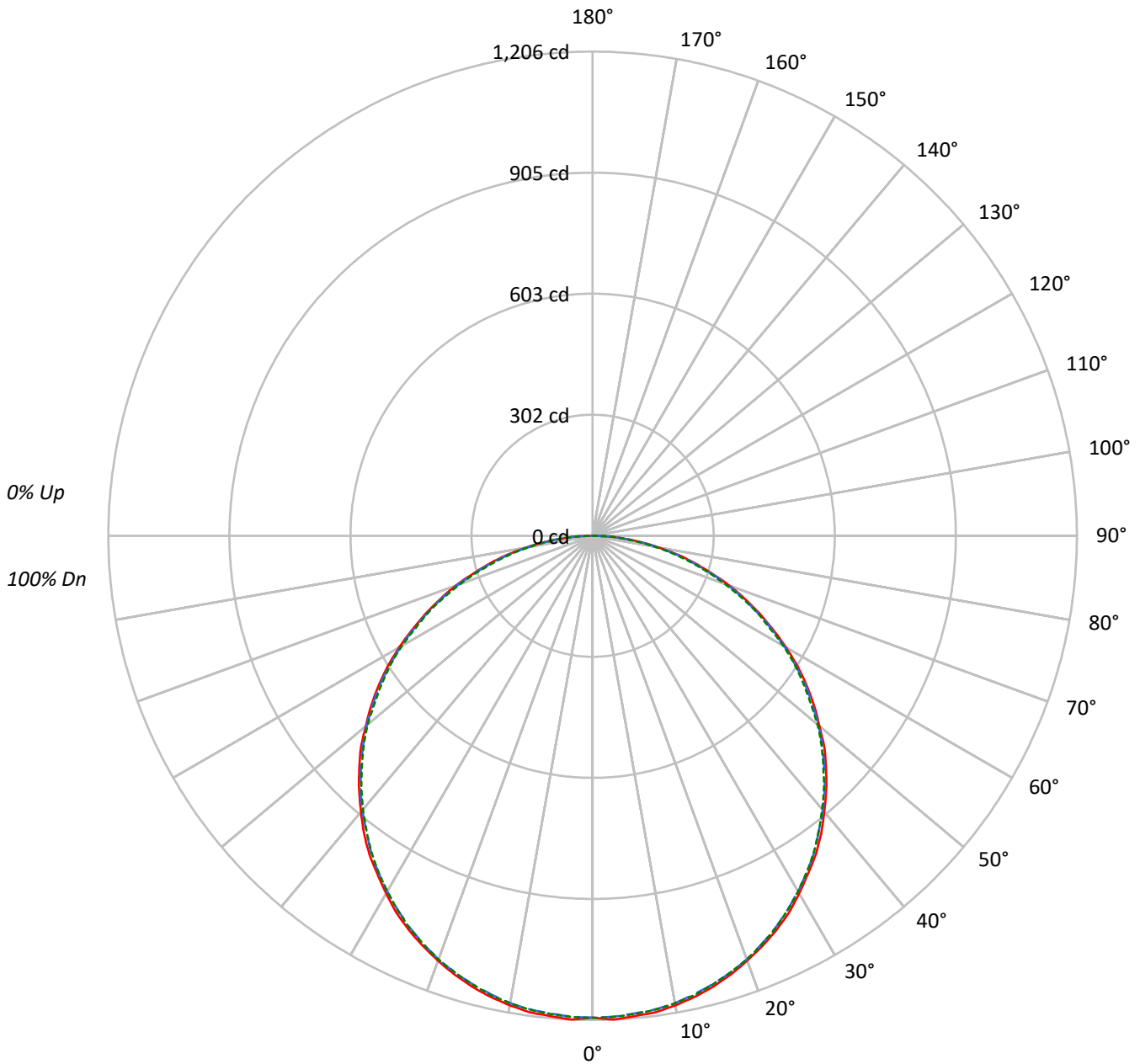
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3550.0 lumens
Efficiency: N/A
Efficacy: 126.8 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): 28
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°	1839	1839	1839
5°	1846	1837	1838
10°	1847	1838	1838
15°	1843	1833	1834
20°	1835	1829	1830
25°	1830	1820	1822
30°	1819	1809	1809
35°	1812	1799	1797
40°	1794	1784	1778
45°	1781	1767	1760
50°	1756	1750	1742
55°	1738	1727	1710
60°	1704	1689	1680
65°	1661	1640	1636
70°	1622	1600	1569
75°	1557	1525	1490
80°	1467	1429	1390
85°	1323	1295	1267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.2
10°-20°	326.7	9.2
20°-30°	496.8	14.0
30°-40°	601.6	16.9
40°-50°	629.6	17.7
50°-60°	576.3	16.2
60°-70°	448.9	12.6
70°-80°	272.2	7.7
80°-90°	84.2	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°	937.3	26.4
0°-40°	1538.8	43.3
0°-60°	2744.7	77.3
0°-90°	3550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1201	1197	1194	1192	1196	114
15°	1162	1158	1156	1155	1157	328
25°	1083	1079	1077	1076	1078	499
35°	969	963	962	958	961	605
45°	822	817	816	812	812	634
55°	651	648	647	642	640	581
65°	458	457	452	448	451	454
75°	263	262	258	252	252	278
85°	75	76	74	74	72	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.4	1200.4	1200.4	1200.4	1200.4
2.5°	1206.3	1199.3	1198.8	1196.6	1199.8
5°	1200.9	1196.6	1194.5	1191.8	1195.5
7.5°	1197.1	1190.1	1190.1	1188.5	1190.7
10°	1187.5	1182.1	1182.1	1180.5	1182.1
12.5°	1176.2	1170.8	1169.7	1170.2	1171.9
15°	1162.2	1158.4	1156.3	1155.2	1156.8
17.5°	1145.5	1141.7	1140.6	1140.1	1140.6
20°	1126.1	1122.4	1122.4	1120.2	1122.9
22.5°	1105.7	1102.4	1100.8	1099.2	1101.4
25°	1083.1	1079.3	1077.2	1075.5	1078.2
27.5°	1058.3	1053.5	1050.8	1050.8	1051.3
30°	1028.7	1024.4	1022.8	1021.2	1022.8
32.5°	998.1	996.5	993.8	991.1	992.7
35°	969.0	962.6	962.0	957.7	960.9
37.5°	935.1	927.6	925.4	924.4	925.4
40°	897.5	893.7	892.1	888.8	889.4
42.5°	860.9	858.2	855.5	851.7	852.8
45°	822.1	816.7	815.7	811.9	812.4
47.5°	783.4	779.1	775.9	773.7	773.2
50°	737.1	736.0	734.4	729.0	731.2
52.5°	695.1	692.5	689.2	686.5	683.9
55°	651.0	647.8	646.7	641.9	640.3
57.5°	604.8	601.5	598.3	595.6	596.2
60°	556.3	554.7	551.5	546.7	548.3
62.5°	506.3	507.4	502.0	498.2	496.1
65°	458.4	456.8	452.5	448.2	451.4
67.5°	410.0	408.4	405.7	400.8	400.8
70°	362.1	359.4	357.3	350.8	350.3
72.5°	310.5	310.5	306.1	302.4	299.7
75°	263.1	261.5	257.7	252.3	251.8
77.5°	215.8	211.5	209.8	205.5	205.0
80°	166.3	167.9	162.0	160.3	157.6
82.5°	120.5	120.0	118.9	115.1	113.5
85°	75.3	76.4	73.7	73.7	72.1
87.5°	36.0	35.5	35.5	36.0	36.6
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)