

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: P856531

Luminaire Tested: **22MMS-L3C3-UNV-HIGH-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-36)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22MMS-L3C3-UNV-HIGH-4000K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel atHIGH and 4000K settings
Light Source: -
Ballast/Driver: -

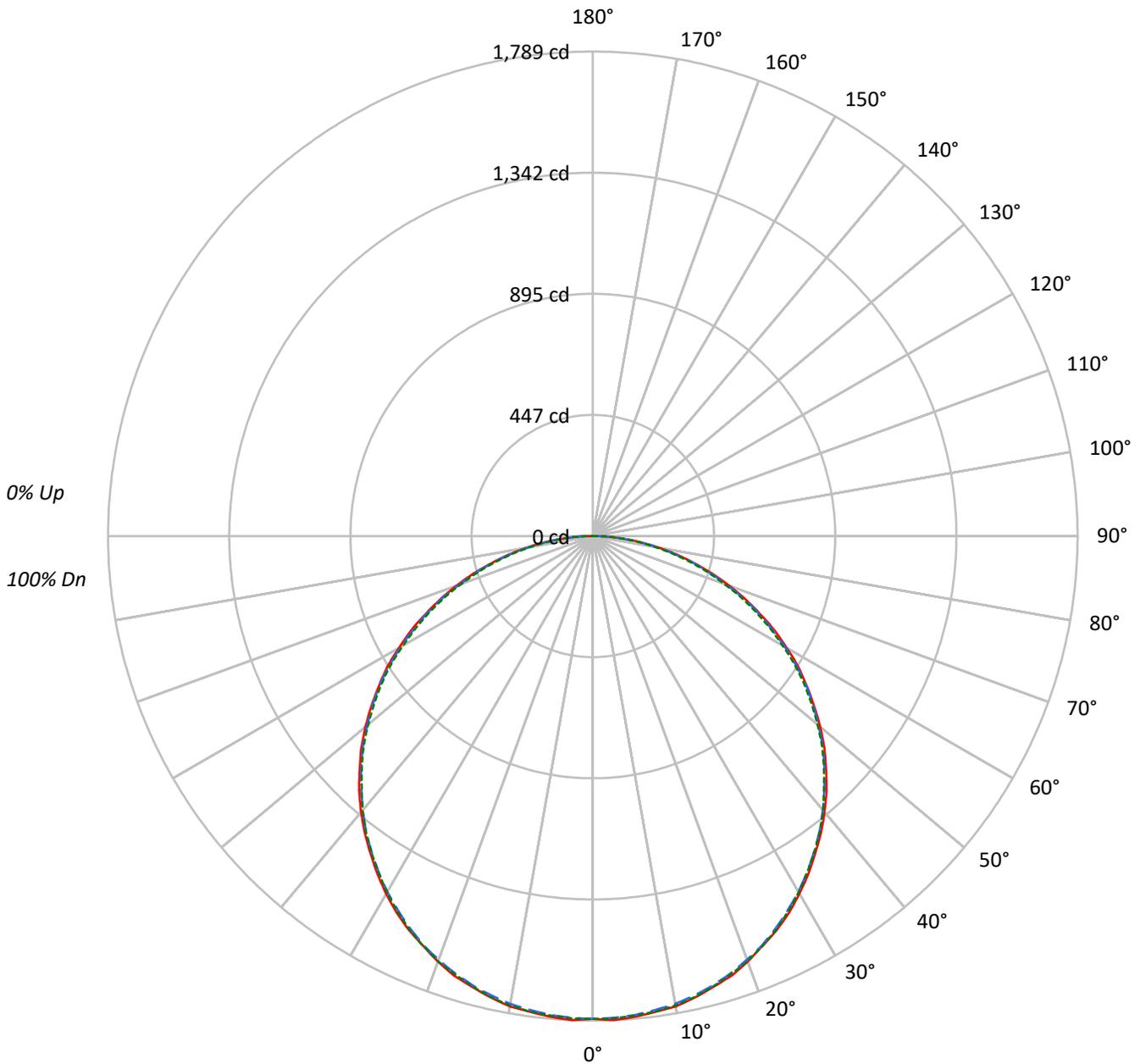
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5267.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 39.1
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°	5709	5709	5709
5°	5728	5707	5715
10°	5736	5704	5722
15°	5712	5693	5706
20°	5698	5673	5692
25°	5673	5644	5661
30°	5639	5609	5618
35°	5593	5564	5570
40°	5561	5520	5523
45°	5512	5474	5460
50°	5457	5413	5388
55°	5378	5364	5314
60°	5291	5239	5180
65°	5158	5109	5028
70°	5006	4898	4821
75°	4775	4745	4623
80°	4574	4437	4286
85°	4134	4042	3983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	3.2
10°-20°	485.1	9.2
20°-30°	737.2	14.0
30°-40°	892.4	16.9
40°-50°	933.5	17.7
50°-60°	855.3	16.2
60°-70°	665.9	12.6
70°-80°	403.5	7.7
80°-90°	125.4	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°	1391.2	26.4
0°-40°	2283.5	43.4
0°-60°	4072.3	77.3
0°-90°	5267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1782	1777	1775	1771	1778	169
15°	1723	1719	1717	1717	1721	487
25°	1605	1601	1597	1597	1602	740
35°	1430	1429	1423	1423	1425	896
45°	1217	1214	1209	1206	1206	939
55°	963	960	961	952	952	862
65°	681	678	674	665	664	675
75°	386	388	384	377	374	411
85°	112	114	110	108	108	128
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1782.7	1782.7	1782.7	1782.7	1782.7
2.5°	1789.3	1781.9	1780.3	1777.8	1782.7
5°	1781.9	1777.0	1775.3	1771.2	1777.8
7.5°	1772.1	1768.0	1764.7	1763.8	1771.2
10°	1763.8	1755.6	1754.0	1752.4	1759.7
12.5°	1745.0	1739.2	1736.7	1735.1	1743.3
15°	1722.8	1718.7	1717.0	1717.0	1721.1
17.5°	1702.3	1694.0	1692.4	1691.6	1696.5
20°	1671.9	1667.8	1664.5	1663.7	1670.2
22.5°	1637.4	1634.9	1634.1	1631.6	1637.4
25°	1605.4	1601.3	1597.2	1597.2	1602.1
27.5°	1567.6	1562.7	1557.7	1558.6	1561.8
30°	1524.9	1520.0	1516.7	1516.7	1519.1
32.5°	1479.7	1474.8	1471.5	1471.5	1472.3
35°	1430.5	1428.8	1423.1	1423.1	1424.7
37.5°	1382.8	1380.4	1374.6	1375.4	1375.4
40°	1330.3	1325.3	1320.4	1318.8	1321.2
42.5°	1276.1	1272.0	1264.6	1265.4	1262.1
45°	1217.0	1214.5	1208.7	1205.5	1205.5
47.5°	1158.7	1152.9	1151.3	1148.0	1147.2
50°	1095.4	1092.1	1086.4	1083.9	1081.5
52.5°	1028.9	1028.1	1024.0	1019.1	1016.6
55°	963.2	959.9	960.8	952.5	951.7
57.5°	899.2	894.2	890.1	881.9	883.6
60°	826.1	822.0	817.9	815.4	808.8
62.5°	757.1	751.4	744.8	740.7	736.6
65°	680.7	677.5	674.2	665.1	663.5
67.5°	609.3	606.8	601.9	596.2	592.1
70°	534.6	530.5	523.1	519.0	514.9
72.5°	462.3	458.2	454.1	449.2	444.2
75°	385.9	388.4	383.5	376.9	373.6
77.5°	319.4	316.1	312.0	305.5	303.8
80°	248.0	245.5	240.6	236.5	232.4
82.5°	179.8	179.0	174.9	171.6	170.0
85°	112.5	114.1	110.0	108.4	108.4
87.5°	54.2	55.0	53.4	55.0	55.8
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)