

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: P856532

Luminaire Tested: **22MMS-L3C3-UNV-HIGH-5000K**

Issue Date: 7/30/2024



**Test Information**

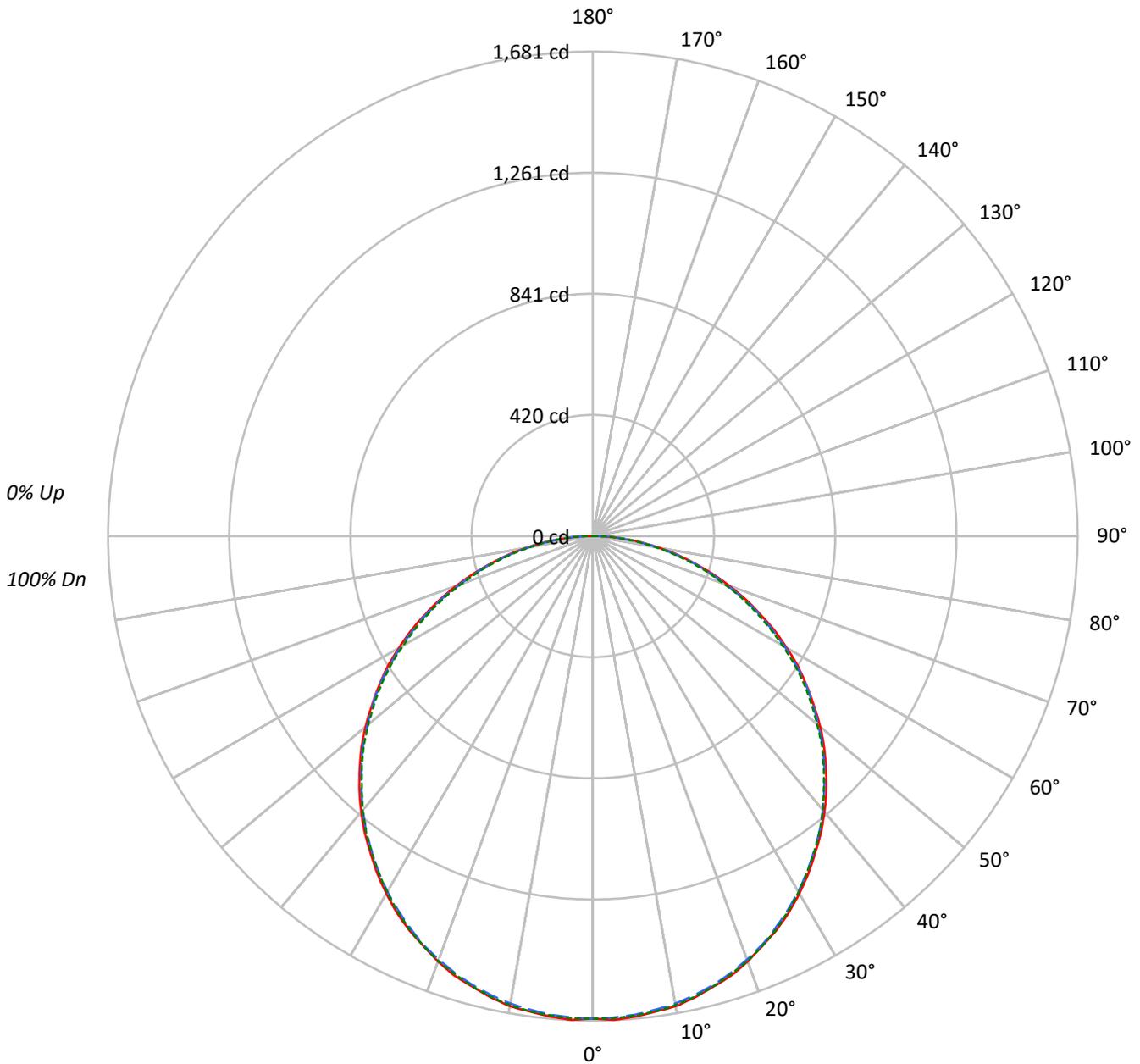
Test Method: LM-79-08  
Report Number: P856532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22MMS-L3C3-UNV-HIGH-5000K  
Description: 2x2 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: 4947.0 lumens  
Efficiency: N/A  
Efficacy: 120.1 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): 41.2  
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					20					
RC	80					70					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°	5362	5362	5362
5°	5380	5361	5368
10°	5387	5357	5375
15°	5365	5347	5360
20°	5352	5328	5346
25°	5328	5301	5317
30°	5296	5268	5276
35°	5252	5225	5231
40°	5224	5185	5188
45°	5177	5142	5128
50°	5126	5084	5061
55°	5051	5038	4991
60°	4970	4920	4866
65°	4845	4798	4722
70°	4701	4600	4528
75°	4485	4457	4342
80°	4295	4168	4026
85°	3884	3796	3741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.6	3.2
10°-20°	455.6	9.2
20°-30°	692.4	14.0
30°-40°	838.1	16.9
40°-50°	876.8	17.7
50°-60°	803.3	16.2
60°-70°	625.4	12.6
70°-80°	378.9	7.7
80°-90°	117.8	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°	1306.6	26.4
0°-40°	2144.8	43.4
0°-60°	3824.9	77.3
0°-90°	4947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4947.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1674	1674	1674	1674	1674	
5°	1674	1669	1668	1664	1670	159
15°	1618	1614	1613	1613	1617	457
25°	1508	1504	1500	1500	1505	695
35°	1344	1342	1337	1337	1338	842
45°	1143	1141	1135	1132	1132	882
55°	905	902	902	895	894	809
65°	639	636	633	625	623	634
75°	362	365	360	354	351	386
85°	106	107	103	102	102	120
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1674.4	1674.4	1674.4	1674.4	1674.4
2.5°	1680.6	1673.7	1672.1	1669.8	1674.4
5°	1673.7	1669.0	1667.5	1663.6	1669.8
7.5°	1664.4	1660.5	1657.5	1656.7	1663.6
10°	1656.7	1649.0	1647.4	1645.9	1652.8
12.5°	1638.9	1633.5	1631.2	1629.7	1637.4
15°	1618.1	1614.3	1612.7	1612.7	1616.6
17.5°	1598.8	1591.1	1589.6	1588.8	1593.4
20°	1570.3	1566.4	1563.4	1562.6	1568.8
22.5°	1537.9	1535.6	1534.8	1532.5	1537.9
25°	1507.8	1504.0	1500.1	1500.1	1504.7
27.5°	1472.4	1467.7	1463.1	1463.9	1467.0
30°	1432.2	1427.6	1424.5	1424.5	1426.8
32.5°	1389.8	1385.2	1382.1	1382.1	1382.9
35°	1343.5	1342.0	1336.6	1336.6	1338.1
37.5°	1298.8	1296.5	1291.1	1291.9	1291.9
40°	1249.5	1244.8	1240.2	1238.7	1241.0
42.5°	1198.6	1194.7	1187.8	1188.5	1185.4
45°	1143.0	1140.7	1135.3	1132.2	1132.2
47.5°	1088.3	1082.9	1081.3	1078.2	1077.5
50°	1028.9	1025.8	1020.4	1018.1	1015.8
52.5°	966.4	965.6	961.8	957.1	954.8
55°	904.7	901.6	902.4	894.7	893.9
57.5°	844.5	839.9	836.1	828.3	829.9
60°	775.9	772.0	768.2	765.9	759.7
62.5°	711.1	705.7	699.5	695.7	691.8
65°	639.4	636.3	633.2	624.7	623.2
67.5°	572.3	570.0	565.3	559.9	556.1
70°	502.1	498.2	491.3	487.4	483.6
72.5°	434.2	430.4	426.5	421.9	417.3
75°	362.5	364.8	360.2	354.0	350.9
77.5°	300.0	296.9	293.1	286.9	285.4
80°	232.9	230.6	226.0	222.1	218.3
82.5°	168.9	168.1	164.3	161.2	159.7
85°	105.7	107.2	103.3	101.8	101.8
87.5°	50.9	51.7	50.1	51.7	52.4
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)