

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: P856450

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

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-28)
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 at HIGH and 4000K settings
Light Source: -
Ballast/Driver: -

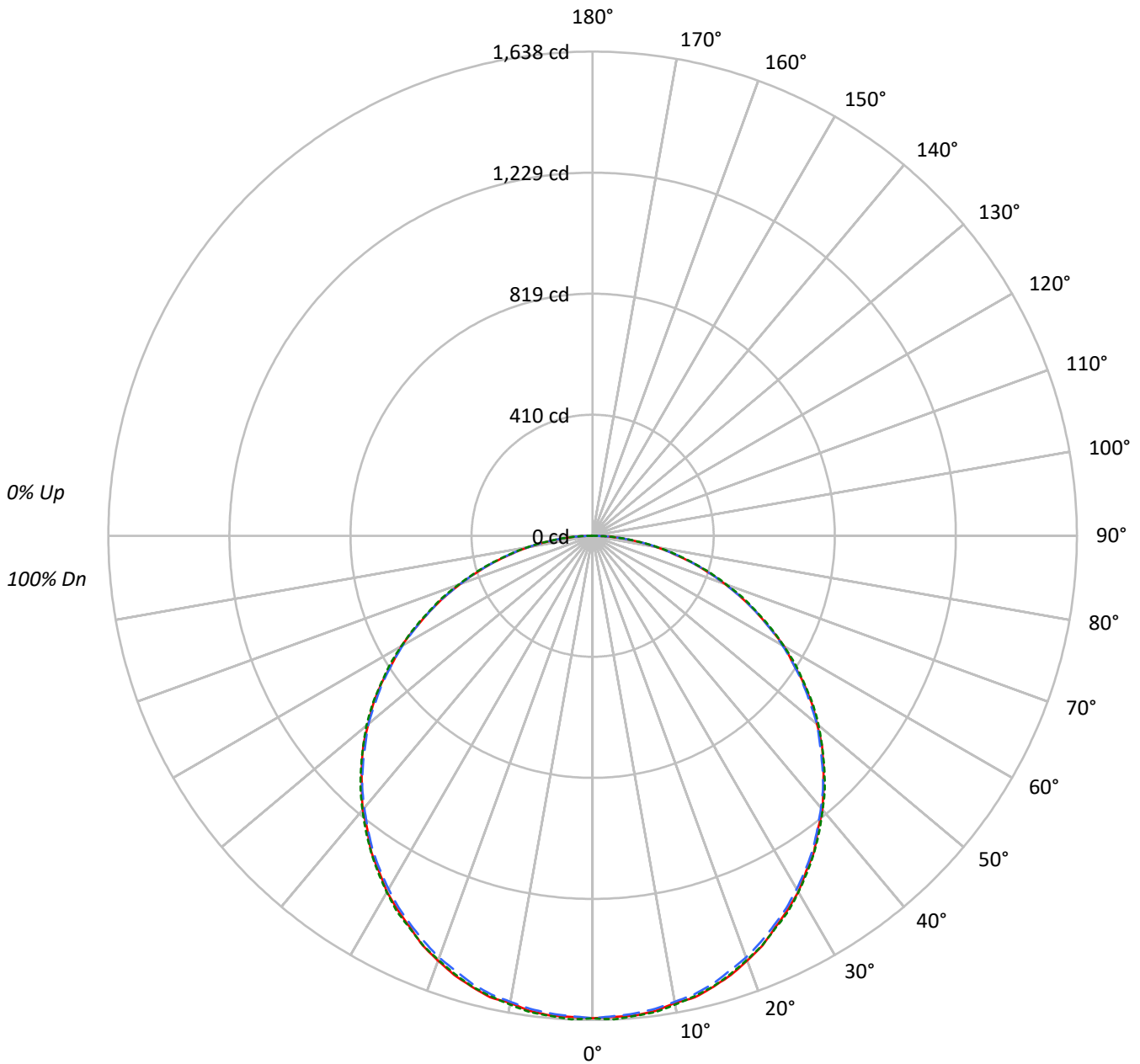
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4800.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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	94	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	58																			
4	82	70	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	63	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	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5227	5227	5227
5°	5238	5216	5243
10°	5219	5206	5237
15°	5236	5205	5231
20°	5212	5174	5202
25°	5164	5135	5174
30°	5144	5104	5149
35°	5105	5073	5110
40°	5056	5023	5062
45°	5000	4975	5018
50°	4933	4933	4973
55°	4870	4840	4885
60°	4780	4745	4789
65°	4619	4619	4650
70°	4451	4451	4502
75°	4256	4274	4341
80°	4022	4046	4146
85°	3583	3682	3733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	3.2
10°-20°	443.7	9.2
20°-30°	673.3	14.0
30°-40°	813.9	17.0
40°-50°	850.9	17.7
50°-60°	778.7	16.2
60°-70°	605.6	12.6
70°-80°	366.7	7.6
80°-90°	112.5	2.3
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°	1271.7	26.5
0°-40°	2085.6	43.4
0°-60°	3715.1	77.4
0°-90°	4800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1629	1629	1623	1625	1631	155
15°	1579	1574	1570	1571	1578	446
25°	1462	1462	1453	1460	1464	675
35°	1306	1302	1298	1300	1307	815
45°	1104	1101	1098	1104	1108	852
55°	872	871	867	874	875	778
65°	610	611	610	612	614	604
75°	344	343	345	351	351	363
85°	98	98	100	102	102	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1632.1	1632.1	1632.1	1632.1	1632.1
2.5°	1629.4	1633.5	1626.7	1630.8	1637.5
5°	1629.4	1629.4	1622.6	1625.3	1630.8
7.5°	1621.3	1624.0	1614.5	1618.6	1625.3
10°	1605.0	1606.4	1601.0	1606.4	1610.4
12.5°	1599.6	1591.5	1588.8	1590.1	1595.5
15°	1579.3	1573.9	1569.8	1571.2	1577.9
17.5°	1557.6	1548.1	1542.7	1548.1	1553.6
20°	1529.2	1522.4	1518.3	1523.8	1526.5
22.5°	1500.7	1498.0	1487.2	1495.3	1499.4
25°	1461.5	1461.5	1453.3	1460.1	1464.2
27.5°	1427.6	1427.6	1419.5	1424.9	1433.0
30°	1391.0	1387.0	1380.2	1387.0	1392.4
32.5°	1345.0	1346.3	1339.6	1346.3	1350.4
35°	1305.7	1301.6	1297.6	1300.3	1307.0
37.5°	1251.5	1252.9	1248.8	1256.9	1259.6
40°	1209.5	1205.5	1201.4	1208.2	1210.9
42.5°	1155.3	1155.3	1154.0	1158.1	1162.1
45°	1103.9	1101.2	1098.5	1103.9	1107.9
47.5°	1052.4	1048.3	1042.9	1049.7	1052.4
50°	990.1	990.1	990.1	995.5	998.2
52.5°	935.9	930.5	926.4	937.3	940.0
55°	872.3	870.9	866.8	873.6	875.0
57.5°	803.2	810.0	803.2	811.3	814.0
60°	746.3	743.6	740.9	747.7	747.7
62.5°	675.9	675.9	675.9	682.6	682.6
65°	609.5	610.9	609.5	612.2	613.6
67.5°	543.1	543.1	544.5	548.6	552.6
70°	475.4	479.5	475.4	482.2	480.8
72.5°	409.0	410.4	411.8	415.8	417.2
75°	344.0	342.7	345.4	350.8	350.8
77.5°	277.7	279.0	281.7	284.4	285.8
80°	218.1	216.7	219.4	222.1	224.8
82.5°	155.8	155.8	159.8	159.8	161.2
85°	97.5	97.5	100.2	101.6	101.6
87.5°	46.1	44.7	46.1	44.7	46.1
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)