

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: P856449

Luminaire Tested: **22MMS-L3C3-UNV-HIGH-3500K**

Issue Date: 7/30/2024

Test Information

Test Method: LM-79-08
Report Number: P856449
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-3500K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 3500K settings
Light Source: -
Ballast/Driver: -

Summary

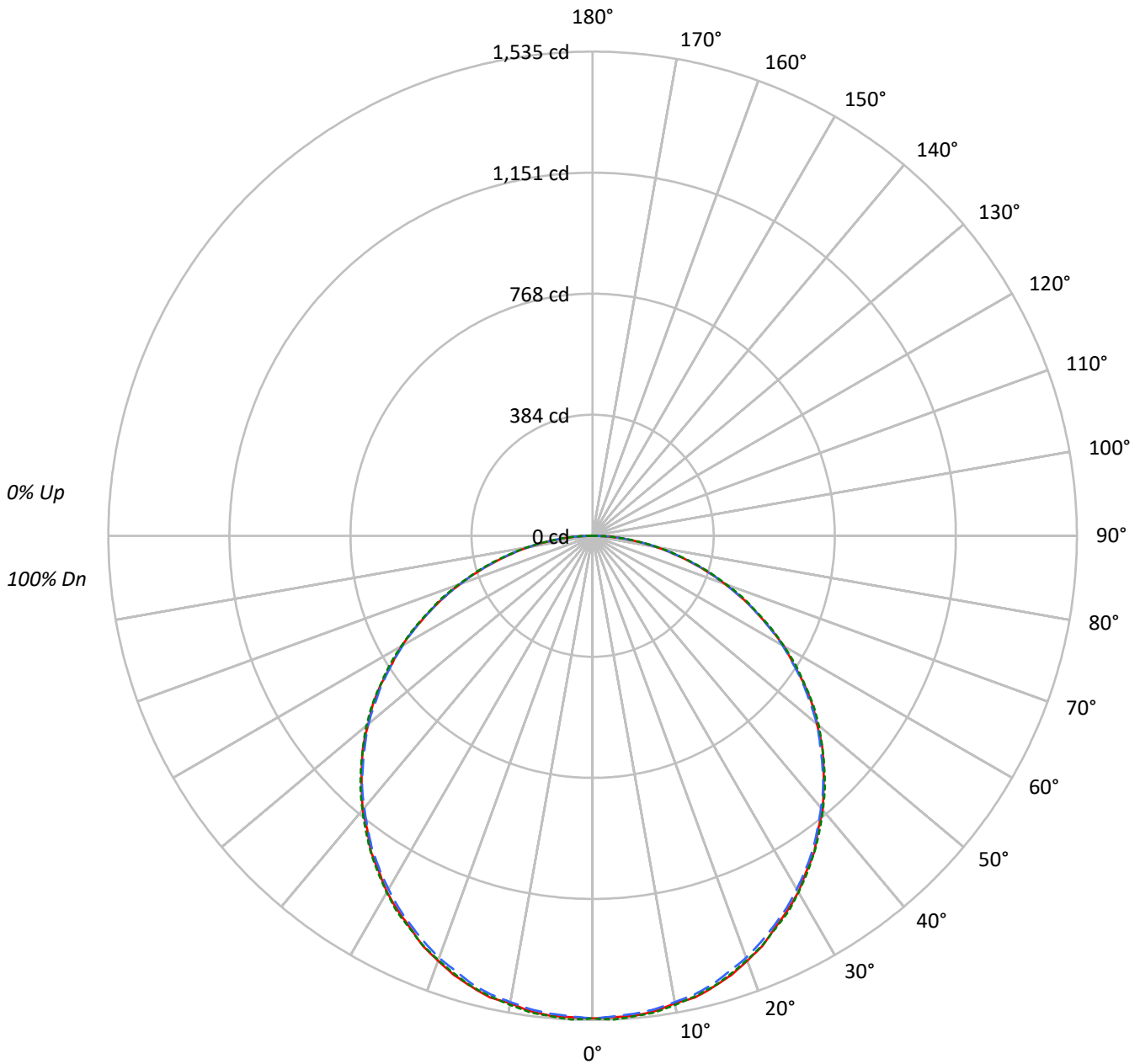
Lumens per Lamp: N/A
Luminaire Lumens: 4500.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

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					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	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°	4900	4900	4900
5°	4911	4890	4915
10°	4893	4881	4910
15°	4909	4879	4905
20°	4886	4851	4877
25°	4841	4814	4851
30°	4822	4785	4827
35°	4786	4756	4791
40°	4740	4709	4746
45°	4687	4664	4704
50°	4624	4624	4662
55°	4566	4538	4580
60°	4482	4449	4489
65°	4330	4330	4359
70°	4173	4173	4221
75°	3990	4007	4070
80°	3770	3794	3888
85°	3358	3454	3498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	3.2
10°-20°	416.0	9.2
20°-30°	631.2	14.0
30°-40°	763.0	17.0
40°-50°	797.7	17.7
50°-60°	730.0	16.2
60°-70°	567.8	12.6
70°-80°	343.8	7.6
80°-90°	105.5	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°	1192.2	26.5
0°-40°	1955.2	43.4
0°-60°	3482.9	77.4
0°-90°	4500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1530	1530	1530	1530	1530	
5°	1528	1528	1521	1524	1529	145
15°	1481	1476	1472	1473	1479	418
25°	1370	1370	1362	1369	1373	633
35°	1224	1220	1216	1219	1225	764
45°	1035	1032	1030	1035	1039	799
55°	818	816	813	819	820	730
65°	571	573	571	574	575	566
75°	322	321	324	329	329	341
85°	91	91	94	95	95	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1530.1	1530.1	1530.1	1530.1	1530.1
2.5°	1527.6	1531.4	1525.0	1528.8	1535.2
5°	1527.6	1527.6	1521.2	1523.8	1528.8
7.5°	1520.0	1522.5	1513.6	1517.4	1523.8
10°	1504.7	1506.0	1500.9	1506.0	1509.8
12.5°	1499.6	1492.0	1489.5	1490.7	1495.8
15°	1480.6	1475.5	1471.7	1473.0	1479.3
17.5°	1460.3	1451.4	1446.3	1451.4	1456.5
20°	1433.6	1427.3	1423.4	1428.5	1431.1
22.5°	1406.9	1404.4	1394.2	1401.9	1405.7
25°	1370.1	1370.1	1362.5	1368.8	1372.7
27.5°	1338.4	1338.4	1330.8	1335.8	1343.4
30°	1304.1	1300.3	1293.9	1300.3	1305.4
32.5°	1260.9	1262.2	1255.8	1262.2	1266.0
35°	1224.1	1220.3	1216.5	1219.0	1225.4
37.5°	1173.3	1174.6	1170.8	1178.4	1180.9
40°	1133.9	1130.1	1126.3	1132.7	1135.2
42.5°	1083.1	1083.1	1081.9	1085.7	1089.5
45°	1034.9	1032.3	1029.8	1034.9	1038.7
47.5°	986.6	982.8	977.7	984.1	986.6
50°	928.2	928.2	928.2	933.3	935.8
52.5°	877.4	872.4	868.5	878.7	881.2
55°	817.8	816.5	812.7	819.0	820.3
57.5°	753.0	759.3	753.0	760.6	763.1
60°	699.7	697.1	694.6	700.9	700.9
62.5°	633.6	633.6	633.6	640.0	640.0
65°	571.4	572.7	571.4	573.9	575.2
67.5°	509.2	509.2	510.5	514.3	518.1
70°	445.7	449.5	445.7	452.0	450.8
72.5°	383.5	384.7	386.0	389.8	391.1
75°	322.5	321.3	323.8	328.9	328.9
77.5°	260.3	261.6	264.1	266.7	267.9
80°	204.4	203.2	205.7	208.2	210.8
82.5°	146.0	146.0	149.8	149.8	151.1
85°	91.4	91.4	94.0	95.2	95.2
87.5°	43.2	41.9	43.2	41.9	43.2
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)