

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: P856512

Luminaire Tested: **14MMS-L3C3-UNV-HIGH-3500K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-23)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14MMS-L3C3-UNV-HIGH-3500K
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel atHIGH and 3500K settings
Light Source: -
Ballast/Driver: -

Summary

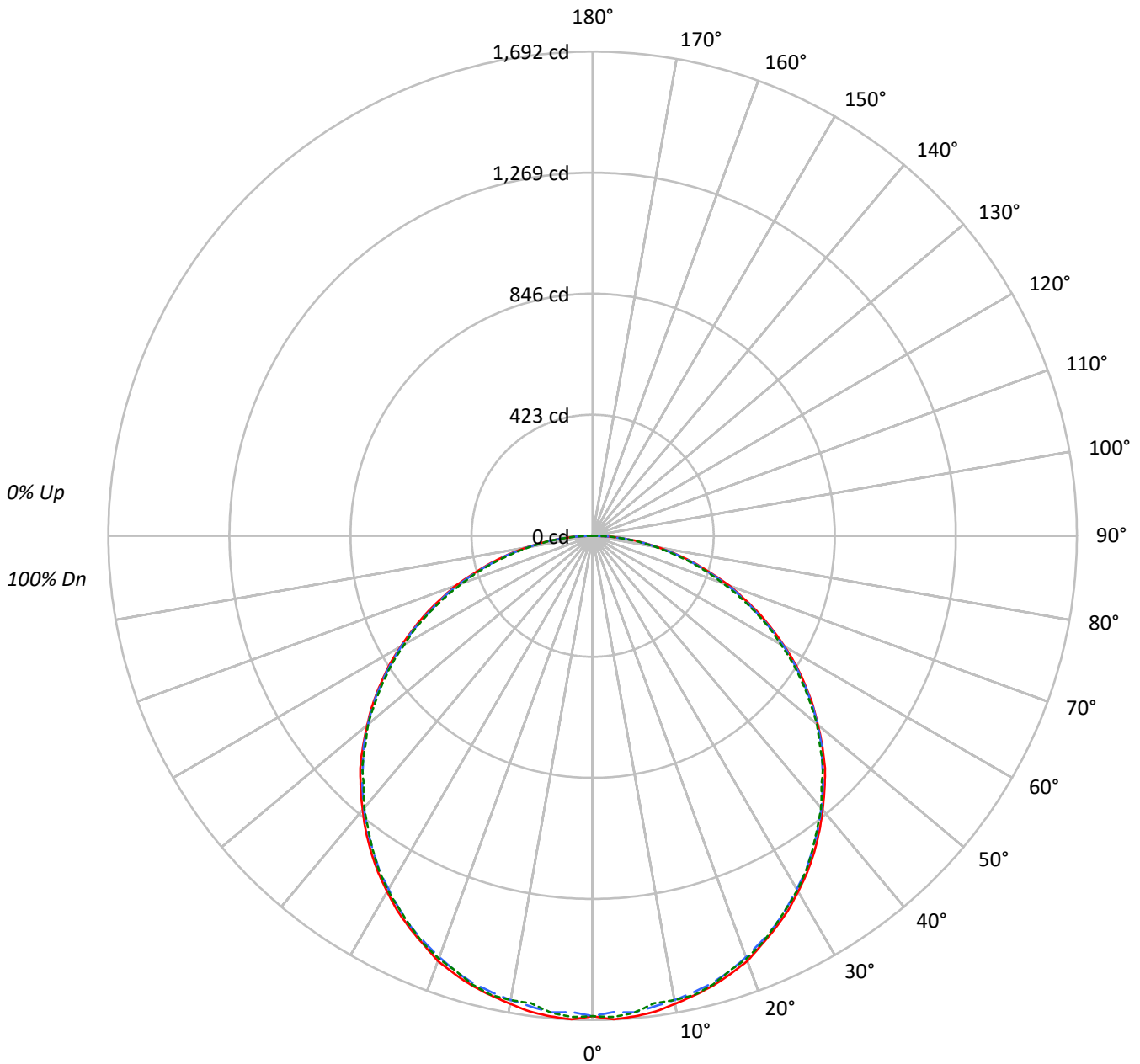
Lumens per Lamp: N/A
Luminaire Lumens: 4958.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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	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	51	42	35	62	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	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°	5657	5657	5657
5°	5702	5654	5659
10°	5681	5637	5637
15°	5678	5643	5663
20°	5668	5618	5638
25°	5624	5598	5598
30°	5588	5549	5565
35°	5551	5510	5510
40°	5499	5468	5462
45°	5471	5410	5423
50°	5386	5371	5363
55°	5319	5294	5252
60°	5221	5193	5116
65°	5114	5024	4978
70°	5005	4893	4767
75°	4766	4692	4563
80°	4543	4434	4269
85°	4168	4059	3897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	3.2
10°-20°	456.9	9.2
20°-30°	694.5	14.0
30°-40°	839.6	16.9
40°-50°	878.6	17.7
50°-60°	805.1	16.2
60°-70°	626.4	12.6
70°-80°	380.5	7.7
80°-90°	117.4	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°	1310.4	26.4
0°-40°	2150.0	43.4
0°-60°	3833.7	77.3
0°-90°	4958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1679	1679	1679	1679	1679	
5°	1686	1676	1672	1674	1673	160
15°	1628	1609	1618	1621	1623	459
25°	1513	1503	1506	1508	1506	697
35°	1350	1341	1340	1342	1340	844
45°	1148	1141	1135	1140	1138	883
55°	905	905	901	897	894	809
65°	641	640	630	630	624	634
75°	366	366	360	353	350	388
85°	108	105	105	102	101	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1678.8	1678.8	1678.8	1678.8	1678.8
2.5°	1691.5	1677.3	1666.0	1678.8	1683.0
5°	1685.8	1675.9	1671.7	1674.5	1673.1
7.5°	1677.3	1667.4	1658.9	1670.2	1647.5
10°	1660.3	1648.9	1647.5	1656.0	1647.5
12.5°	1644.7	1636.2	1633.3	1640.4	1643.3
15°	1627.7	1609.2	1617.7	1620.6	1623.4
17.5°	1605.0	1589.3	1595.0	1600.7	1593.6
20°	1580.8	1565.2	1566.6	1570.9	1572.3
22.5°	1545.4	1538.3	1536.8	1543.9	1542.5
25°	1512.7	1502.8	1505.6	1508.5	1505.6
27.5°	1477.2	1467.3	1467.3	1477.2	1467.3
30°	1436.1	1427.6	1426.2	1430.4	1430.4
32.5°	1394.9	1386.4	1386.4	1386.4	1387.8
35°	1349.5	1341.0	1339.6	1342.4	1339.6
37.5°	1301.3	1295.6	1292.8	1292.8	1288.5
40°	1250.2	1245.9	1243.1	1243.1	1241.7
42.5°	1199.1	1194.9	1190.6	1189.2	1183.5
45°	1148.0	1140.9	1135.2	1139.5	1138.1
47.5°	1088.4	1089.8	1084.2	1078.5	1075.6
50°	1027.4	1027.4	1024.6	1024.6	1023.1
52.5°	969.2	967.8	966.4	959.3	957.9
55°	905.4	905.4	901.1	896.8	894.0
57.5°	842.9	842.9	837.2	831.6	830.2
60°	774.8	774.8	770.6	764.9	759.2
62.5°	706.7	706.7	701.0	695.3	695.3
65°	641.4	640.0	630.1	630.1	624.4
67.5°	570.5	569.0	566.2	559.1	553.4
70°	508.0	502.3	496.7	489.6	483.9
72.5°	432.8	434.2	425.7	421.5	418.6
75°	366.1	366.1	360.4	353.3	350.5
77.5°	300.8	298.0	295.2	290.9	283.8
80°	234.1	234.1	228.5	222.8	220.0
82.5°	171.7	168.9	166.0	160.4	163.2
85°	107.8	105.0	105.0	102.2	100.8
87.5°	46.8	48.2	46.8	48.2	48.2
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)