

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: P856464

Luminaire Tested: **24MMS-L3C3-UNV-MEDIUM-3500K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-35)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24MMS-L3C3-UNV-MEDIUM-3500K
Description: 2x4 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 3500K settings
Light Source: -
Ballast/Driver: -

Summary

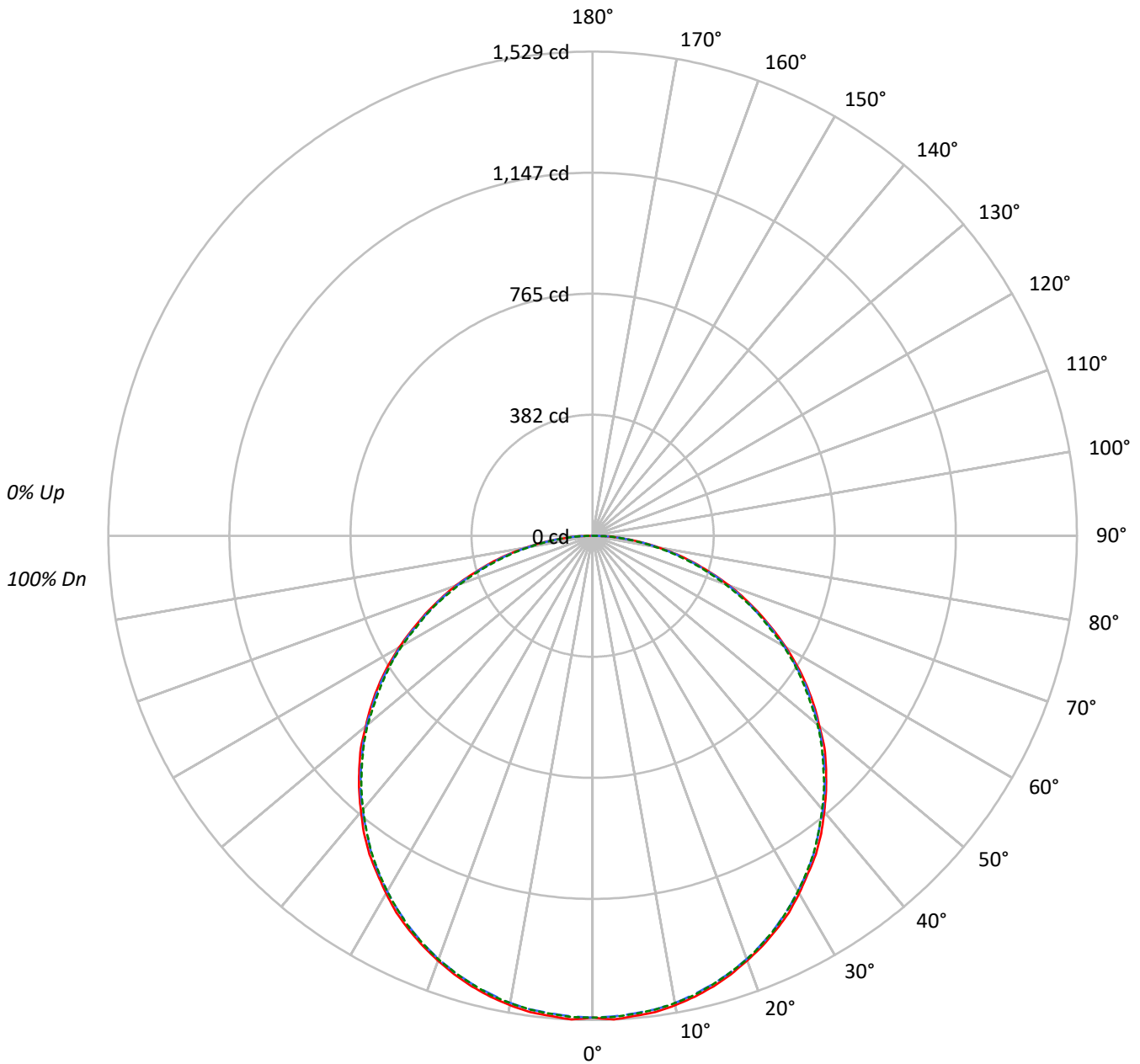
Lumens per Lamp: N/A
Luminaire Lumens: 4500.0 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 35.5
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°	2331	2331	2331
5°	2340	2328	2330
10°	2341	2330	2330
15°	2336	2324	2325
20°	2327	2319	2320
25°	2320	2307	2310
30°	2306	2293	2293
35°	2297	2280	2278
40°	2275	2261	2254
45°	2257	2239	2231
50°	2226	2218	2209
55°	2204	2189	2167
60°	2160	2142	2129
65°	2106	2079	2074
70°	2055	2028	1988
75°	1974	1933	1889
80°	1858	1811	1762
85°	1678	1641	1606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	3.2
10°-20°	414.1	9.2
20°-30°	629.8	14.0
30°-40°	762.5	16.9
40°-50°	798.1	17.7
50°-60°	730.5	16.2
60°-70°	569.0	12.6
70°-80°	345.0	7.7
80°-90°	106.7	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°	1188.1	26.4
0°-40°	1950.6	43.3
0°-60°	3479.2	77.3
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°	1522	1522	1522	1522	1522	
5°	1522	1517	1514	1511	1516	145
15°	1473	1468	1466	1464	1466	416
25°	1373	1368	1365	1363	1367	633
35°	1228	1220	1220	1214	1218	767
45°	1042	1035	1034	1029	1030	804
55°	825	821	820	814	812	737
65°	581	579	574	568	572	575
75°	334	332	327	320	319	352
85°	96	97	93	93	91	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1521.6	1521.6	1521.6	1521.6	1521.6
2.5°	1529.1	1520.2	1519.6	1516.8	1520.9
5°	1522.3	1516.8	1514.1	1510.7	1515.5
7.5°	1517.5	1508.6	1508.6	1506.6	1509.3
10°	1505.2	1498.4	1498.4	1496.4	1498.4
12.5°	1490.9	1484.1	1482.7	1483.4	1485.4
15°	1473.2	1468.4	1465.7	1464.3	1466.4
17.5°	1452.0	1447.3	1445.9	1445.2	1445.9
20°	1427.5	1422.7	1422.7	1420.0	1423.4
22.5°	1401.6	1397.5	1395.4	1393.4	1396.1
25°	1372.9	1368.1	1365.4	1363.4	1366.8
27.5°	1341.5	1335.4	1332.0	1332.0	1332.7
30°	1304.0	1298.6	1296.5	1294.5	1296.5
32.5°	1265.2	1263.1	1259.7	1256.3	1258.3
35°	1228.3	1220.1	1219.5	1214.0	1218.1
37.5°	1185.4	1175.8	1173.1	1171.7	1173.1
40°	1137.6	1132.8	1130.8	1126.7	1127.4
42.5°	1091.2	1087.8	1084.4	1079.6	1081.0
45°	1042.1	1035.3	1033.9	1029.2	1029.9
47.5°	993.0	987.6	983.5	980.8	980.1
50°	934.4	933.0	931.0	924.1	926.9
52.5°	881.2	877.8	873.7	870.3	866.9
55°	825.2	821.2	819.8	813.7	811.6
57.5°	766.6	762.5	758.4	755.0	755.7
60°	705.2	703.2	699.1	692.9	695.0
62.5°	641.8	643.1	636.3	631.6	628.8
65°	581.1	579.0	573.6	568.1	572.2
67.5°	519.7	517.7	514.2	508.1	508.1
70°	459.0	455.6	452.9	444.7	444.0
72.5°	393.5	393.5	388.1	383.3	379.9
75°	333.5	331.5	326.7	319.9	319.2
77.5°	273.5	268.0	266.0	260.5	259.9
80°	210.7	212.8	205.3	203.2	199.8
82.5°	152.8	152.1	150.7	146.0	143.9
85°	95.5	96.8	93.4	93.4	91.4
87.5°	45.7	45.0	45.0	45.7	46.4
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)