

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: P856465

Luminaire Tested: **24MMS-L3C3-UNV-MEDIUM-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856465
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-4000K
Description: 2x4 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

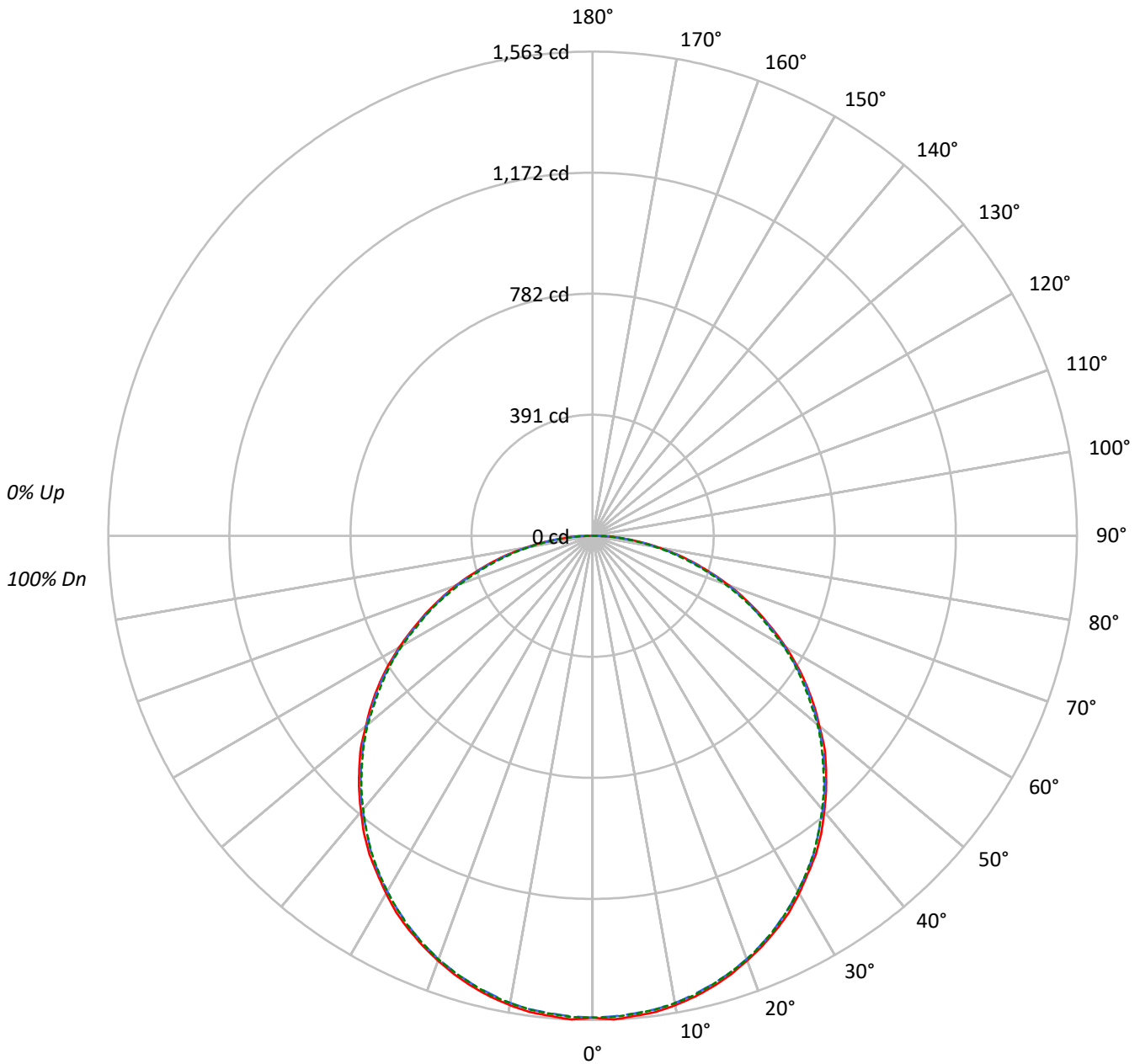
Lumens per Lamp: N/A
Luminaire Lumens: 4600.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	2382	2382	2382
5°	2392	2380	2382
10°	2393	2382	2382
15°	2388	2376	2377
20°	2378	2370	2372
25°	2372	2359	2361
30°	2358	2344	2344
35°	2348	2331	2328
40°	2325	2311	2304
45°	2307	2289	2280
50°	2276	2268	2258
55°	2253	2238	2215
60°	2208	2189	2176
65°	2153	2125	2120
70°	2101	2073	2033
75°	2017	1976	1931
80°	1900	1851	1802
85°	1715	1678	1641



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.2
10°-20°	423.3	9.2
20°-30°	643.8	14.0
30°-40°	779.5	16.9
40°-50°	815.8	17.7
50°-60°	746.7	16.2
60°-70°	581.7	12.6
70°-80°	352.7	7.7
80°-90°	109.1	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°	1214.5	26.4
0°-40°	1994.0	43.3
0°-60°	3556.5	77.3
0°-90°	4600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4600.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1556	1550	1548	1544	1549	148
15°	1506	1501	1498	1497	1499	425
25°	1403	1398	1396	1394	1397	647
35°	1256	1247	1247	1241	1245	785
45°	1065	1058	1057	1052	1053	822
55°	844	839	838	832	830	753
65°	594	592	586	581	585	588
75°	341	339	334	327	326	360
85°	98	99	96	96	93	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1563.1	1554.0	1553.3	1550.5	1554.7
5°	1556.1	1550.5	1547.7	1544.3	1549.1
7.5°	1551.2	1542.2	1542.2	1540.1	1542.9
10°	1538.7	1531.7	1531.7	1529.6	1531.7
12.5°	1524.0	1517.1	1515.7	1516.4	1518.5
15°	1505.9	1501.0	1498.2	1496.8	1498.9
17.5°	1484.3	1479.4	1478.0	1477.3	1478.0
20°	1459.2	1454.3	1454.3	1451.5	1455.0
22.5°	1432.7	1428.5	1426.4	1424.3	1427.1
25°	1403.4	1398.5	1395.8	1393.7	1397.2
27.5°	1371.4	1365.1	1361.6	1361.6	1362.3
30°	1333.0	1327.4	1325.3	1323.2	1325.3
32.5°	1293.3	1291.2	1287.7	1284.2	1286.3
35°	1255.6	1247.3	1246.6	1241.0	1245.2
37.5°	1211.7	1201.9	1199.2	1197.8	1199.2
40°	1162.9	1158.0	1155.9	1151.7	1152.4
42.5°	1115.5	1112.0	1108.5	1103.6	1105.0
45°	1065.3	1058.3	1056.9	1052.0	1052.7
47.5°	1015.1	1009.5	1005.3	1002.5	1001.8
50°	955.1	953.7	951.7	944.7	947.5
52.5°	900.8	897.3	893.1	889.6	886.1
55°	843.6	839.4	838.0	831.7	829.6
57.5°	783.6	779.4	775.3	771.8	772.5
60°	720.9	718.8	714.6	708.3	710.4
62.5°	656.0	657.4	650.5	645.6	642.8
65°	594.0	591.9	586.3	580.8	584.9
67.5°	531.3	529.2	525.7	519.4	519.4
70°	469.2	465.7	462.9	454.6	453.9
72.5°	402.3	402.3	396.7	391.8	388.3
75°	340.9	338.8	333.9	327.0	326.3
77.5°	279.6	274.0	271.9	266.3	265.6
80°	215.4	217.5	209.9	207.8	204.3
82.5°	156.2	155.5	154.1	149.2	147.1
85°	97.6	99.0	95.5	95.5	93.4
87.5°	46.7	46.0	46.0	46.7	47.4
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)