

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: P856538

Luminaire Tested: **22MMS-L3C3-UNV-MEDIUM-5000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-36)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22MMS-L3C3-UNV-MEDIUM-5000K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 5000K settings
Light Source: -
Ballast/Driver: -

Summary

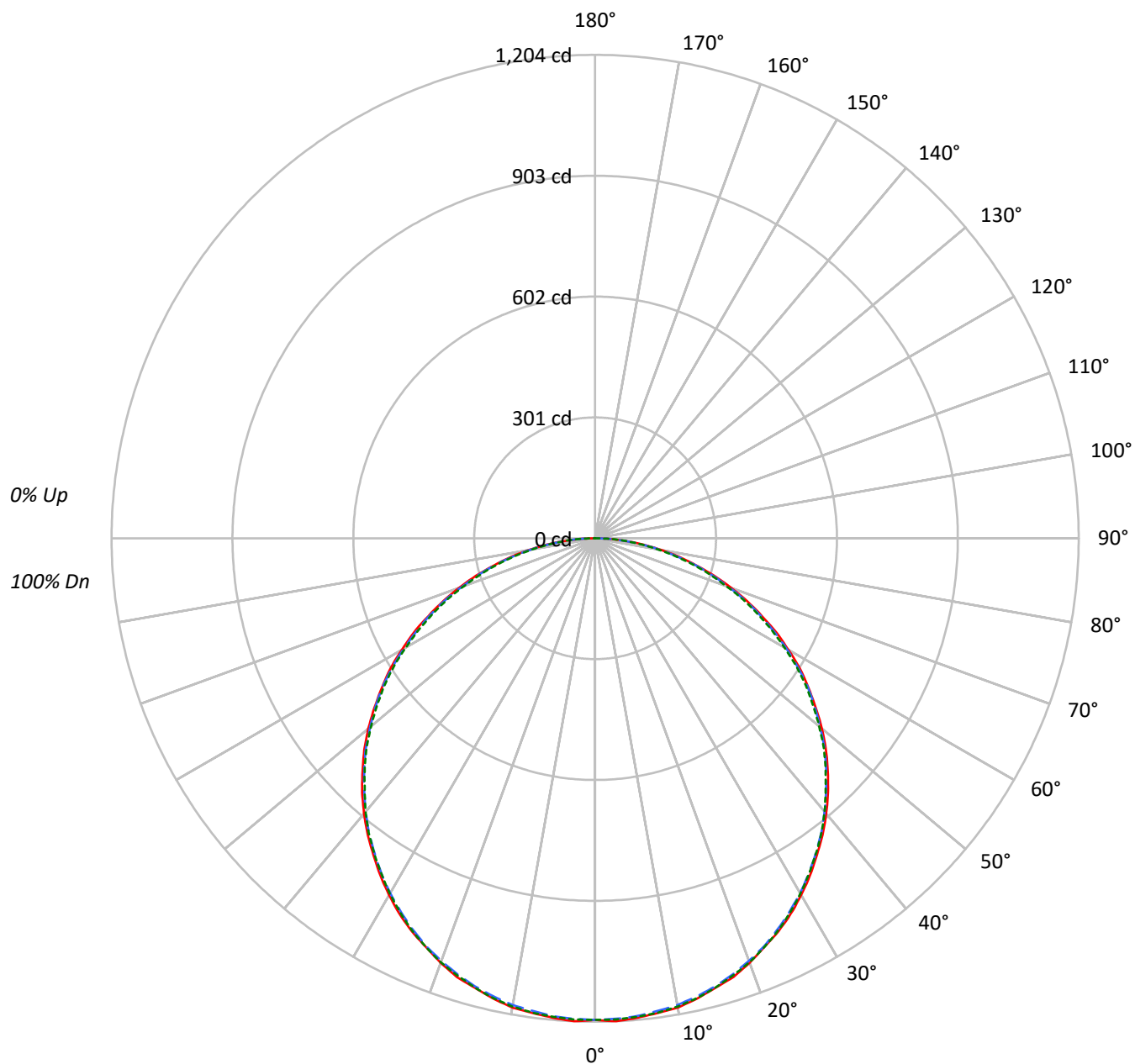
Lumens per Lamp: N/A
Luminaire Lumens: 3544.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60
4	82	69	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3841	3841	3841
5°	3854	3840	3845
10°	3859	3838	3851
15°	3843	3830	3840
20°	3834	3817	3830
25°	3817	3798	3809
30°	3794	3774	3780
35°	3763	3743	3748
40°	3742	3714	3717
45°	3709	3683	3673
50°	3672	3642	3626
55°	3619	3610	3576
60°	3560	3525	3486
65°	3471	3437	3383
70°	3368	3296	3243
75°	3213	3192	3111
80°	3078	2986	2884
85°	2782	2719	2679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	3.2
10°-20°	326.4	9.2
20°-30°	496.0	14.0
30°-40°	600.4	16.9
40°-50°	628.1	17.7
50°-60°	575.5	16.2
60°-70°	448.0	12.6
70°-80°	271.5	7.7
80°-90°	84.4	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°	936.1	26.4
0°-40°	1536.5	43.4
0°-60°	2740.1	77.3
0°-90°	3544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1199	1196	1195	1192	1196	114
15°	1159	1156	1155	1155	1158	328
25°	1080	1077	1075	1075	1078	498
35°	962	961	958	958	959	603
45°	819	817	813	811	811	632
55°	648	646	646	641	640	580
65°	458	456	454	448	446	454
75°	260	261	258	254	251	277
85°	76	77	74	73	73	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.5	1199.5	1199.5	1199.5	1199.5
2.5°	1204.0	1199.0	1197.9	1196.2	1199.5
5°	1199.0	1195.7	1194.6	1191.8	1196.2
7.5°	1192.4	1189.6	1187.4	1186.8	1191.8
10°	1186.8	1181.3	1180.2	1179.1	1184.1
12.5°	1174.1	1170.3	1168.6	1167.5	1173.0
15°	1159.2	1156.4	1155.3	1155.3	1158.1
17.5°	1145.4	1139.9	1138.8	1138.2	1141.5
20°	1125.0	1122.2	1120.0	1119.4	1123.8
22.5°	1101.7	1100.1	1099.5	1097.9	1101.7
25°	1080.2	1077.4	1074.7	1074.7	1078.0
27.5°	1054.8	1051.5	1048.2	1048.7	1050.9
30°	1026.1	1022.7	1020.5	1020.5	1022.2
32.5°	995.7	992.3	990.1	990.1	990.7
35°	962.5	961.4	957.5	957.5	958.6
37.5°	930.5	928.8	924.9	925.5	925.5
40°	895.1	891.8	888.5	887.4	889.0
42.5°	858.6	855.9	850.9	851.5	849.2
45°	818.9	817.2	813.3	811.1	811.1
47.5°	779.6	775.8	774.6	772.4	771.9
50°	737.1	734.9	731.0	729.3	727.7
52.5°	692.3	691.8	689.0	685.7	684.0
55°	648.1	645.9	646.5	640.9	640.4
57.5°	605.0	601.7	598.9	593.4	594.5
60°	555.8	553.1	550.3	548.7	544.2
62.5°	509.4	505.6	501.1	498.4	495.6
65°	458.0	455.8	453.6	447.6	446.4
67.5°	410.0	408.3	405.0	401.1	398.4
70°	359.7	356.9	352.0	349.2	346.4
72.5°	311.1	308.3	305.5	302.2	298.9
75°	259.7	261.3	258.0	253.6	251.4
77.5°	214.9	212.7	210.0	205.5	204.4
80°	166.9	165.2	161.9	159.1	156.4
82.5°	121.0	120.5	117.7	115.5	114.4
85°	75.7	76.8	74.0	72.9	72.9
87.5°	36.5	37.0	35.9	37.0	37.6
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)