

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: P856455

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

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856455
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-MEDIUM-3500K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 3500K settings
Light Source: -
Ballast/Driver: -

Summary

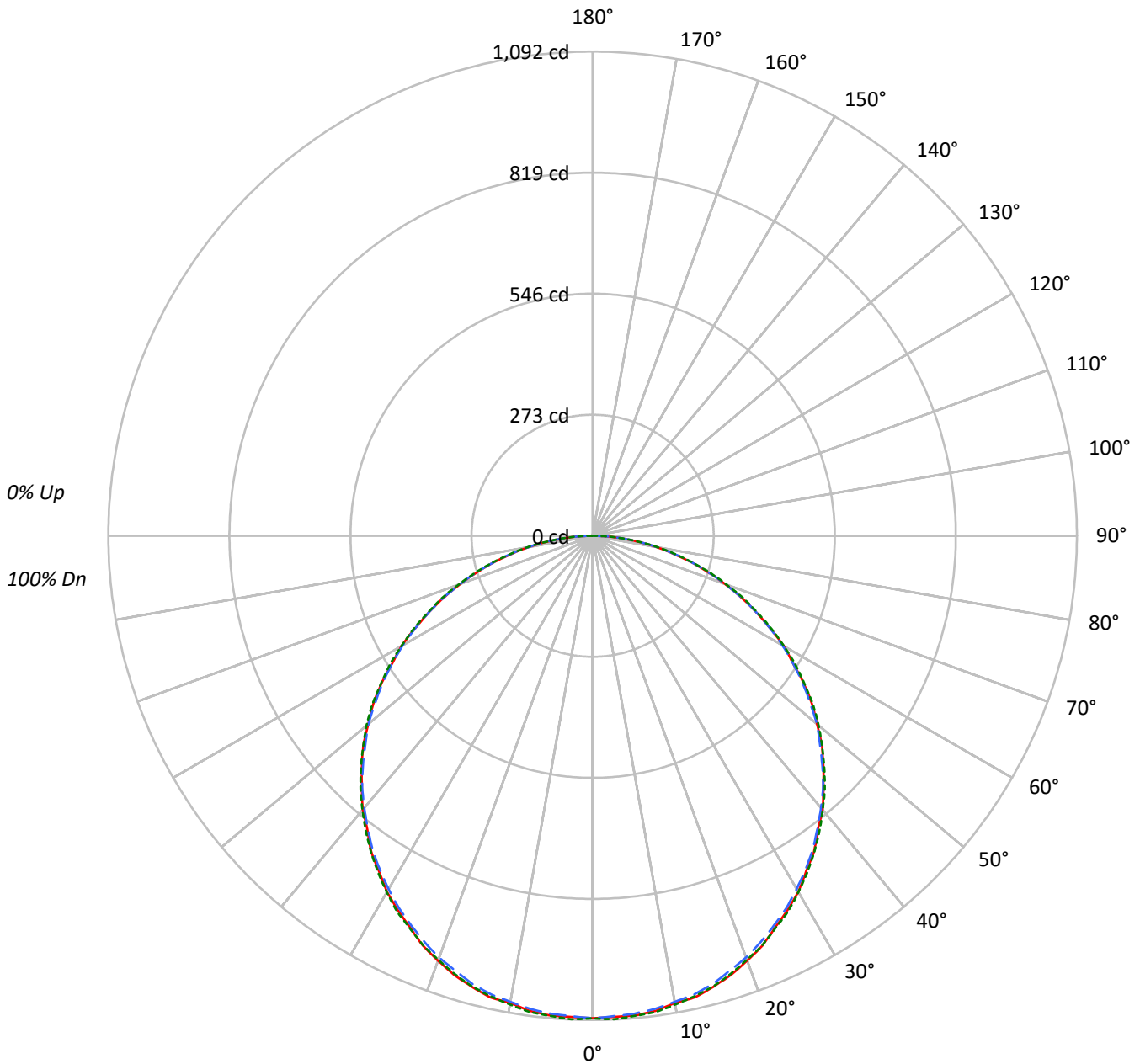
Lumens per Lamp: N/A
Luminaire Lumens: 3200.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	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°	3485	3485	3485
5°	3492	3478	3495
10°	3480	3471	3491
15°	3491	3470	3488
20°	3474	3450	3468
25°	3443	3424	3449
30°	3429	3402	3433
35°	3403	3382	3407
40°	3371	3348	3375
45°	3333	3317	3345
50°	3289	3289	3316
55°	3247	3227	3257
60°	3186	3163	3192
65°	3079	3079	3099
70°	2967	2967	3002
75°	2838	2850	2894
80°	2682	2698	2765
85°	2388	2455	2488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	3.2
10°-20°	295.8	9.2
20°-30°	448.9	14.0
30°-40°	542.6	17.0
40°-50°	567.3	17.7
50°-60°	519.1	16.2
60°-70°	403.7	12.6
70°-80°	244.5	7.6
80°-90°	75.0	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°	847.8	26.5
0°-40°	1390.4	43.4
0°-60°	2476.8	77.4
0°-90°	3200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3200.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1086	1086	1082	1084	1087	103
15°	1053	1049	1046	1047	1052	297
25°	974	974	969	973	976	450
35°	870	868	865	867	871	543
45°	736	734	732	736	739	568
55°	582	581	578	582	583	519
65°	406	407	406	408	409	402
75°	229	228	230	234	234	242
85°	65	65	67	68	68	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.1	1088.1	1088.1	1088.1	<i>1088.1</i>
2.5°	<i>1086.3</i>	<i>1089.0</i>	<i>1084.5</i>	<i>1087.2</i>	<i>1091.7</i>
5°	1086.3	1086.3	1081.8	1083.6	<i>1087.2</i>
7.5°	1080.9	1082.7	1076.3	1079.0	<i>1083.6</i>
10°	1070.0	1070.9	1067.3	1070.9	<i>1073.6</i>
12.5°	1066.4	1061.0	1059.2	1060.1	<i>1063.7</i>
15°	1052.9	1049.2	1046.5	1047.4	<i>1052.0</i>
17.5°	1038.4	1032.1	1028.5	1032.1	<i>1035.7</i>
20°	1019.5	1014.9	1012.2	1015.8	<i>1017.6</i>
22.5°	1000.5	998.7	991.5	996.9	<i>999.6</i>
25°	974.3	974.3	968.9	973.4	<i>976.1</i>
27.5°	951.7	951.7	946.3	949.9	<i>955.3</i>
30°	927.3	924.6	920.1	924.6	<i>928.3</i>
32.5°	896.6	897.6	893.0	897.6	<i>900.3</i>
35°	870.5	867.8	865.0	866.8	<i>871.4</i>
37.5°	834.3	835.2	832.5	838.0	<i>839.8</i>
40°	806.4	803.6	800.9	805.4	<i>807.3</i>
42.5°	770.2	770.2	769.3	772.0	<i>774.7</i>
45°	735.9	734.1	732.3	735.9	<i>738.6</i>
47.5°	701.6	698.9	695.3	699.8	<i>701.6</i>
50°	660.1	660.1	660.1	663.7	<i>665.5</i>
52.5°	624.0	620.3	617.6	624.9	<i>626.7</i>
55°	581.5	580.6	577.9	582.4	<i>583.3</i>
57.5°	535.5	540.0	535.5	540.9	<i>542.7</i>
60°	497.5	495.7	493.9	498.4	<i>498.4</i>
62.5°	450.6	450.6	450.6	455.1	<i>455.1</i>
65°	406.3	407.2	406.3	408.1	<i>409.0</i>
67.5°	362.1	362.1	363.0	365.7	<i>368.4</i>
70°	316.9	319.7	316.9	321.5	<i>320.6</i>
72.5°	272.7	273.6	274.5	277.2	<i>278.1</i>
75°	229.4	228.5	230.3	233.9	<i>233.9</i>
77.5°	185.1	186.0	187.8	189.6	<i>190.5</i>
80°	145.4	144.5	146.3	148.1	<i>149.9</i>
82.5°	103.8	103.8	106.6	106.6	<i>107.5</i>
85°	65.0	65.0	66.8	67.7	<i>67.7</i>
87.5°	30.7	29.8	30.7	29.8	<i>30.7</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)