

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: P856537

Luminaire Tested: **22MMS-L3C3-UNV-MEDIUM-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856537
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-4000K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

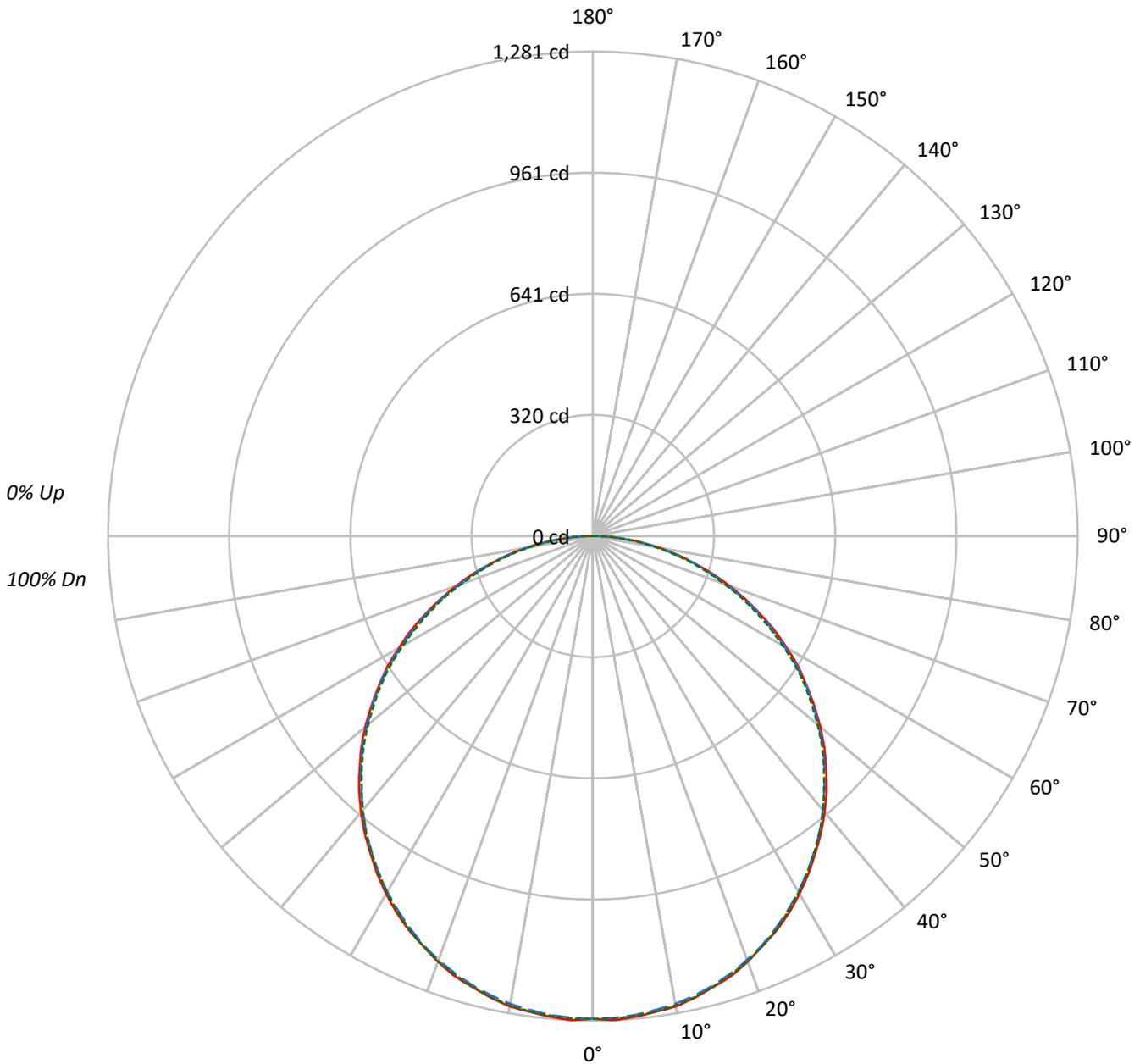
Lumens per Lamp: N/A
Luminaire Lumens: 3772.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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°	4089	4089	4089
5°	4102	4087	4093
10°	4108	4085	4098
15°	4091	4077	4087
20°	4080	4062	4077
25°	4063	4042	4054
30°	4038	4017	4023
35°	4005	3984	3989
40°	3983	3953	3956
45°	3947	3921	3910
50°	3909	3876	3859
55°	3851	3842	3806
60°	3789	3751	3710
65°	3694	3659	3601
70°	3584	3508	3452
75°	3420	3398	3311
80°	3275	3178	3069
85°	2962	2895	2851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	3.2
10°-20°	347.4	9.2
20°-30°	528.0	14.0
30°-40°	639.1	16.9
40°-50°	668.5	17.7
50°-60°	612.5	16.2
60°-70°	476.9	12.6
70°-80°	288.9	7.7
80°-90°	89.8	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°	996.3	26.4
0°-40°	1635.4	43.4
0°-60°	2916.4	77.3
0°-90°	3772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1277	1277	1277	1277	1277	
5°	1276	1273	1271	1268	1273	121
15°	1234	1231	1230	1230	1233	349
25°	1150	1147	1144	1144	1147	530
35°	1024	1023	1019	1019	1020	642
45°	872	870	866	863	863	673
55°	690	688	688	682	682	617
65°	488	485	483	476	475	483
75°	276	278	275	270	268	294
85°	81	82	79	78	78	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1276.7	1276.7	1276.7	1276.7	1276.7
2.5°	1281.4	1276.1	1275.0	1273.2	1276.7
5°	1276.1	1272.6	1271.4	1268.5	1273.2
7.5°	1269.1	1266.1	1263.8	1263.2	1268.5
10°	1263.2	1257.3	1256.1	1255.0	1260.3
12.5°	1249.7	1245.5	1243.8	1242.6	1248.5
15°	1233.8	1230.8	1229.7	1229.7	1232.6
17.5°	1219.1	1213.2	1212.0	1211.4	1215.0
20°	1197.3	1194.4	1192.0	1191.4	1196.2
22.5°	1172.6	1170.9	1170.3	1168.5	1172.6
25°	1149.7	1146.8	1143.8	1143.8	1147.3
27.5°	1122.6	1119.1	1115.6	1116.2	1118.5
30°	1092.1	1088.5	1086.2	1086.2	1087.9
32.5°	1059.7	1056.2	1053.8	1053.8	1054.4
35°	1024.4	1023.3	1019.1	1019.1	1020.3
37.5°	990.3	988.6	984.4	985.0	985.0
40°	952.7	949.2	945.6	944.5	946.2
42.5°	913.9	910.9	905.6	906.2	903.9
45°	871.5	869.8	865.7	863.3	863.3
47.5°	829.8	825.7	824.5	822.1	821.5
50°	784.5	782.1	778.0	776.3	774.5
52.5°	736.9	736.3	733.3	729.8	728.0
55°	689.8	687.5	688.1	682.2	681.6
57.5°	643.9	640.4	637.5	631.6	632.8
60°	591.6	588.7	585.7	584.0	579.3
62.5°	542.2	538.1	533.4	530.4	527.5
65°	487.5	485.2	482.8	476.3	475.2
67.5°	436.4	434.6	431.1	426.9	424.0
70°	382.8	379.9	374.6	371.7	368.7
72.5°	331.1	328.1	325.2	321.7	318.2
75°	276.4	278.2	274.6	269.9	267.6
77.5°	228.8	226.4	223.5	218.8	217.6
80°	177.6	175.8	172.3	169.4	166.4
82.5°	128.8	128.2	125.3	122.9	121.7
85°	80.6	81.7	78.8	77.6	77.6
87.5°	38.8	39.4	38.2	39.4	40.0
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)