

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: P856535

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

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856535
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-LOW-5000K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 5000K settings
Light Source: -
Ballast/Driver: -

Summary

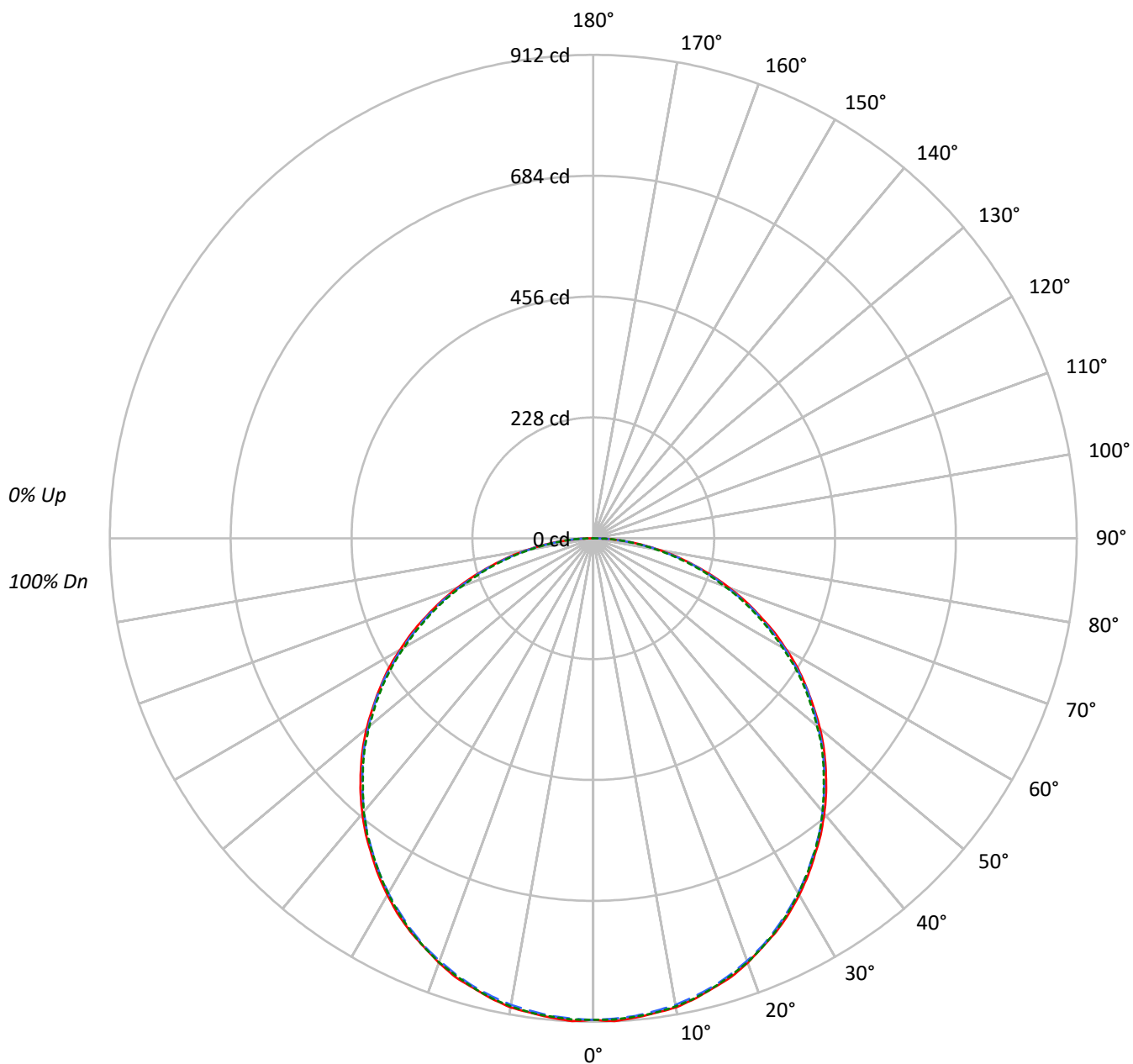
Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 19.6
Input Voltage (V): NR
Input Current (Ain): 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	50	30	10
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°	2909	2909	2909
5°	2919	2908	2912
10°	2923	2907	2916
15°	2911	2901	2908
20°	2904	2891	2901
25°	2891	2876	2885
30°	2874	2858	2863
35°	2850	2835	2838
40°	2834	2813	2815
45°	2808	2790	2782
50°	2781	2758	2746
55°	2740	2734	2708
60°	2696	2670	2640
65°	2629	2603	2562
70°	2551	2496	2457
75°	2434	2418	2356
80°	2331	2261	2184
85°	2105	2061	2028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	3.2
10°-20°	247.2	9.2
20°-30°	375.7	14.0
30°-40°	454.7	16.9
40°-50°	475.7	17.7
50°-60°	435.8	16.2
60°-70°	339.3	12.6
70°-80°	205.6	7.7
80°-90°	63.9	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°	708.9	26.4
0°-40°	1163.7	43.4
0°-60°	2075.2	77.3
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	908	906	905	903	906	86
15°	878	876	875	875	877	248
25°	818	816	814	814	816	377
35°	729	728	725	725	726	457
45°	620	619	616	614	614	479
55°	491	489	490	485	485	439
65°	347	345	344	339	338	344
75°	197	198	195	192	190	210
85°	57	58	56	55	55	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.5	908.5	908.5	908.5	908.5
2.5°	911.8	908.0	907.2	905.9	908.5
5°	908.0	905.5	904.7	902.6	905.9
7.5°	903.0	900.9	899.3	898.8	902.6
10°	898.8	894.7	893.8	893.0	896.7
12.5°	889.2	886.3	885.0	884.2	888.4
15°	877.9	875.8	875.0	875.0	877.1
17.5°	867.5	863.3	862.4	862.0	864.5
20°	852.0	849.9	848.2	847.8	851.1
22.5°	834.4	833.1	832.7	831.5	834.4
25°	818.1	816.0	813.9	813.9	816.4
27.5°	798.8	796.3	793.8	794.2	795.9
30°	777.1	774.6	772.9	772.9	774.1
32.5°	754.1	751.5	749.9	749.9	750.3
35°	728.9	728.1	725.2	725.2	726.0
37.5°	704.7	703.4	700.5	700.9	700.9
40°	677.9	675.4	672.9	672.0	673.3
42.5°	650.3	648.2	644.4	644.8	643.2
45°	620.1	618.9	616.0	614.3	614.3
47.5°	590.4	587.5	586.7	585.0	584.6
50°	558.2	556.5	553.6	552.4	551.1
52.5°	524.3	523.9	521.8	519.3	518.0
55°	490.8	489.2	489.6	485.4	485.0
57.5°	458.2	455.7	453.6	449.4	450.3
60°	421.0	418.9	416.8	415.5	412.2
62.5°	385.8	382.9	379.5	377.4	375.4
65°	346.9	345.2	343.5	338.9	338.1
67.5°	310.5	309.2	306.7	303.8	301.7
70°	272.4	270.3	266.6	264.5	262.4
72.5°	235.6	233.5	231.4	228.9	226.4
75°	196.7	197.9	195.4	192.1	190.4
77.5°	162.8	161.1	159.0	155.7	154.8
80°	126.4	125.1	122.6	120.5	118.4
82.5°	91.6	91.2	89.1	87.5	86.6
85°	57.3	58.2	56.1	55.2	55.2
87.5°	27.6	28.0	27.2	28.0	28.5
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)