

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: P856534

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

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856534
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-4000K
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 4000K settings
Light Source: -
Ballast/Driver: -

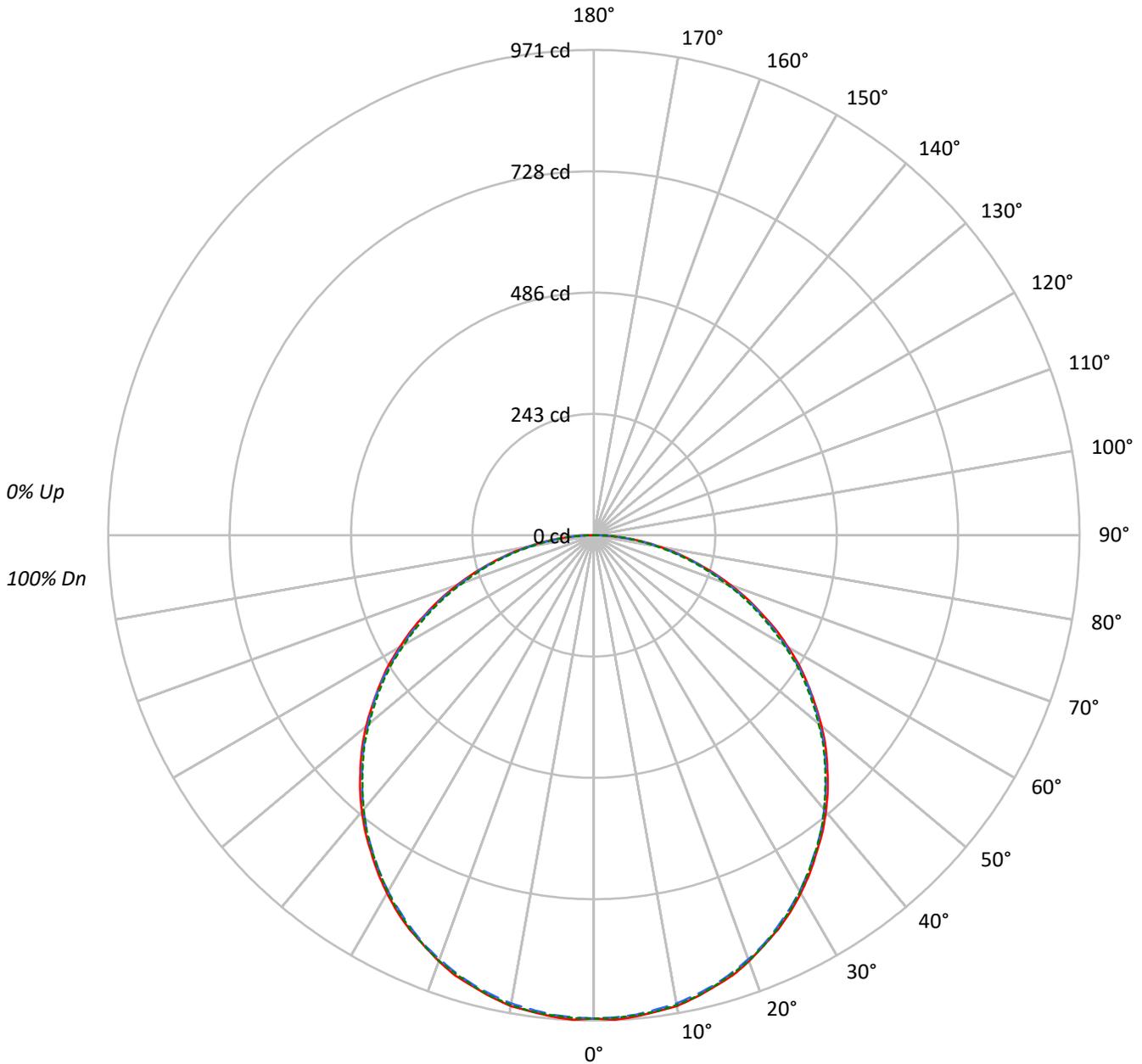
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2857.0 lumens
Efficiency: N/A
Efficacy: 153.6 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): 18.6
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

TEST NUMBER: P856534
CATALOG NUMBER: 22MMS-L3C3-UNV-LOW-4000K

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°	3097	3097	3097
5°	3107	3096	3100
10°	3111	3094	3104
15°	3098	3088	3095
20°	3091	3077	3088
25°	3077	3061	3071
30°	3059	3042	3047
35°	3033	3018	3021
40°	3017	2994	2996
45°	2990	2970	2962
50°	2960	2936	2923
55°	2917	2909	2882
60°	2870	2841	2810
65°	2798	2771	2727
70°	2715	2656	2615
75°	2590	2574	2508
80°	2481	2407	2326
85°	2241	2194	2161



TEST NUMBER: P856534

CATALOG NUMBER: 22MMS-L3C3-UNV-LOW-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.2
10°-20°	263.1	9.2
20°-30°	399.9	14.0
30°-40°	484.0	16.9
40°-50°	506.4	17.7
50°-60°	463.9	16.2
60°-70°	361.2	12.6
70°-80°	218.8	7.7
80°-90°	68.0	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°	754.6	26.4
0°-40°	1238.7	43.4
0°-60°	2208.9	77.3
0°-90°	2857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	967	964	963	961	964	92
15°	934	932	931	931	934	264
25°	871	869	866	866	869	401
35°	776	775	772	772	773	486
45°	660	659	656	654	654	510
55°	522	521	521	517	516	467
65°	369	368	366	361	360	366
75°	209	211	208	204	203	223
85°	61	62	60	59	59	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.0	967.0	967.0	967.0	967.0
2.5°	970.6	966.6	965.7	964.3	967.0
5°	966.6	963.9	963.0	960.8	964.3
7.5°	961.2	959.0	957.2	956.8	960.8
10°	956.8	952.3	951.4	950.5	954.5
12.5°	946.5	943.4	942.1	941.2	945.6
15°	934.5	932.3	931.4	931.4	933.6
17.5°	923.4	918.9	918.0	917.6	920.2
20°	906.9	904.7	902.9	902.4	906.0
22.5°	888.2	886.8	886.4	885.1	888.2
25°	870.8	868.6	866.3	866.3	869.0
27.5°	850.3	847.6	845.0	845.4	847.2
30°	827.2	824.5	822.7	822.7	824.0
32.5°	802.7	800.0	798.2	798.2	798.6
35°	775.9	775.0	771.9	771.9	772.8
37.5°	750.1	748.8	745.6	746.1	746.1
40°	721.6	718.9	716.2	715.4	716.7
42.5°	692.2	690.0	686.0	686.4	684.6
45°	660.1	658.8	655.7	653.9	653.9
47.5°	628.5	625.4	624.5	622.7	622.3
50°	594.2	592.4	589.3	588.0	586.6
52.5°	558.1	557.7	555.4	552.8	551.4
55°	522.5	520.7	521.1	516.7	516.2
57.5°	487.7	485.1	482.8	478.4	479.3
60°	448.1	445.9	443.6	442.3	438.7
62.5°	410.7	407.6	404.0	401.8	399.5
65°	369.3	367.5	365.7	360.8	359.9
67.5°	330.5	329.2	326.5	323.4	321.2
70°	290.0	287.7	283.7	281.5	279.3
72.5°	250.8	248.5	246.3	243.6	241.0
75°	209.3	210.7	208.0	204.4	202.7
77.5°	173.3	171.5	169.3	165.7	164.8
80°	134.5	133.2	130.5	128.3	126.1
82.5°	97.5	97.1	94.9	93.1	92.2
85°	61.0	61.9	59.7	58.8	58.8
87.5°	29.4	29.8	29.0	29.8	30.3
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)