

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: P856516

Luminaire Tested: **14MMS-L3C3-UNV-LOW-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-23)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14MMS-L3C3-UNV-LOW-4000K
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 4000K settings
Light Source: -
Ballast/Driver: -

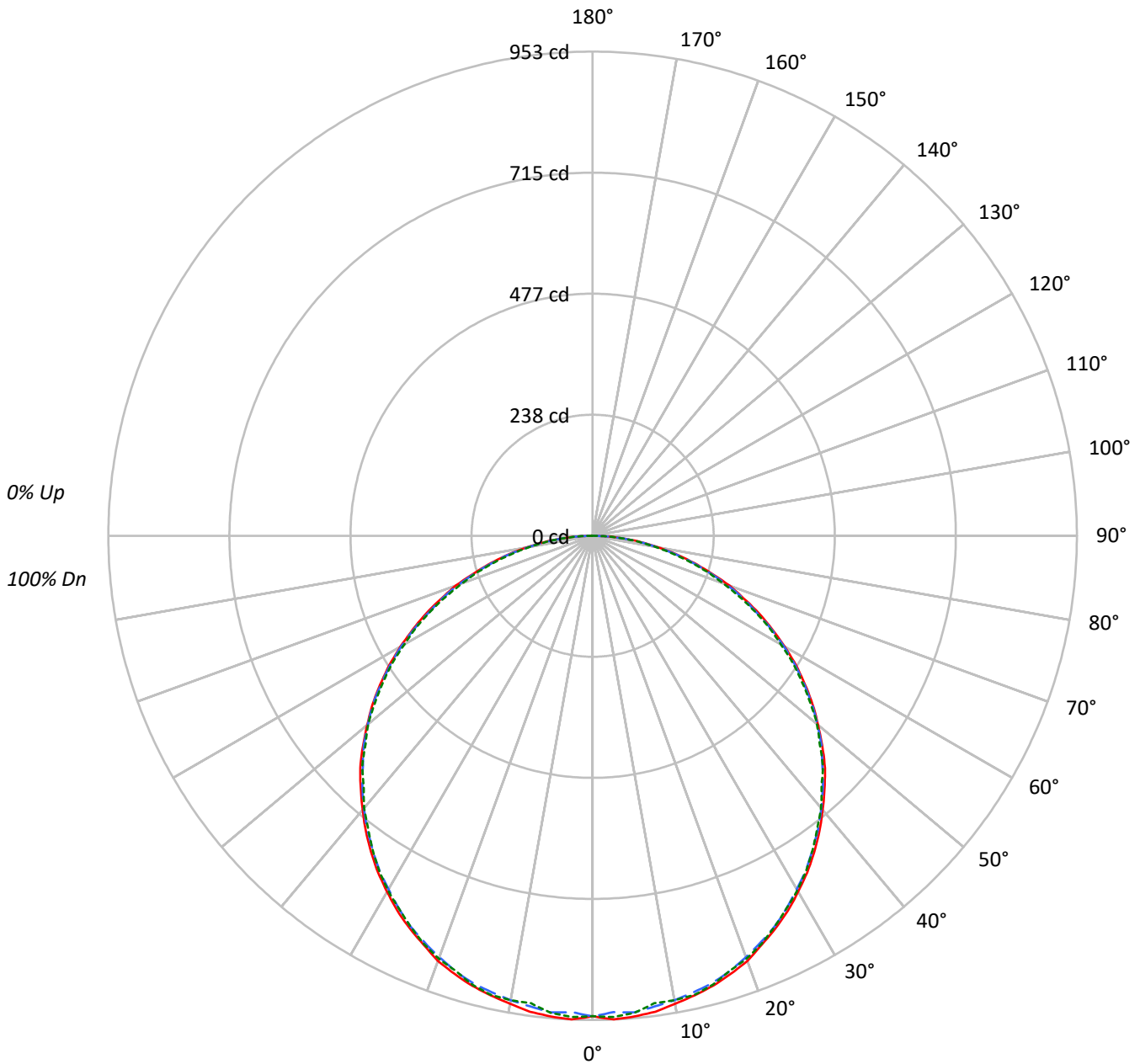
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2793.0 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 18.3
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	51	42	35	62	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	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°	3187	3187	3187
5°	3212	3185	3188
10°	3200	3176	3176
15°	3199	3179	3190
20°	3193	3164	3176
25°	3168	3154	3154
30°	3148	3126	3135
35°	3127	3104	3104
40°	3098	3080	3077
45°	3082	3047	3055
50°	3034	3026	3022
55°	2996	2982	2958
60°	2942	2925	2882
65°	2881	2830	2804
70°	2820	2757	2686
75°	2685	2643	2571
80°	2559	2497	2404
85°	2351	2289	2196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	3.2
10°-20°	257.4	9.2
20°-30°	391.2	14.0
30°-40°	473.0	16.9
40°-50°	494.9	17.7
50°-60°	453.6	16.2
60°-70°	352.9	12.6
70°-80°	214.3	7.7
80°-90°	66.2	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°	738.2	26.4
0°-40°	1211.2	43.4
0°-60°	2159.7	77.3
0°-90°	2793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	950	944	942	943	942	90
15°	917	906	911	913	914	259
25°	852	847	848	850	848	393
35°	760	755	755	756	755	475
45°	647	643	640	642	641	498
55°	510	510	508	505	504	456
65°	361	360	355	355	352	357
75°	206	206	203	199	198	219
85°	61	59	59	58	57	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.7	945.7	945.7	945.7	945.7
2.5°	952.9	944.9	938.5	945.7	948.1
5°	949.7	944.1	941.7	943.3	942.5
7.5°	944.9	939.3	934.5	940.9	928.1
10°	935.3	928.9	928.1	932.9	928.1
12.5°	926.5	921.7	920.1	924.1	925.7
15°	916.9	906.5	911.3	912.9	914.5
17.5°	904.1	895.3	898.5	901.7	897.7
20°	890.5	881.7	882.5	884.9	885.7
22.5°	870.5	866.6	865.8	869.8	869.0
25°	852.2	846.6	848.2	849.8	848.2
27.5°	832.2	826.6	826.6	832.2	826.6
30°	809.0	804.2	803.4	805.8	805.8
32.5°	785.8	781.0	781.0	781.0	781.8
35°	760.2	755.4	754.6	756.2	754.6
37.5°	733.1	729.9	728.3	728.3	725.9
40°	704.3	701.9	700.3	700.3	699.5
42.5°	675.5	673.1	670.7	669.9	666.7
45°	646.7	642.7	639.5	641.9	641.1
47.5°	613.1	613.9	610.7	607.5	605.9
50°	578.8	578.8	577.2	577.2	576.4
52.5°	546.0	545.2	544.4	540.4	539.6
55°	510.0	510.0	507.6	505.2	503.6
57.5°	474.8	474.8	471.6	468.5	467.7
60°	436.5	436.5	434.1	430.9	427.7
62.5°	398.1	398.1	394.9	391.7	391.7
65°	361.3	360.5	354.9	354.9	351.7
67.5°	321.4	320.6	319.0	315.0	311.8
70°	286.2	283.0	279.8	275.8	272.6
72.5°	243.8	244.6	239.8	237.4	235.8
75°	206.2	206.2	203.0	199.1	197.5
77.5°	169.5	167.9	166.3	163.9	159.9
80°	131.9	131.9	128.7	125.5	123.9
82.5°	96.7	95.1	93.5	90.3	91.9
85°	60.8	59.2	59.2	57.6	56.8
87.5°	26.4	27.2	26.4	27.2	27.2
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)