

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: P856515

Luminaire Tested: **14MMS-L3C3-UNV-LOW-3500K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856515
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-3500K
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 3500K settings
Light Source: -
Ballast/Driver: -

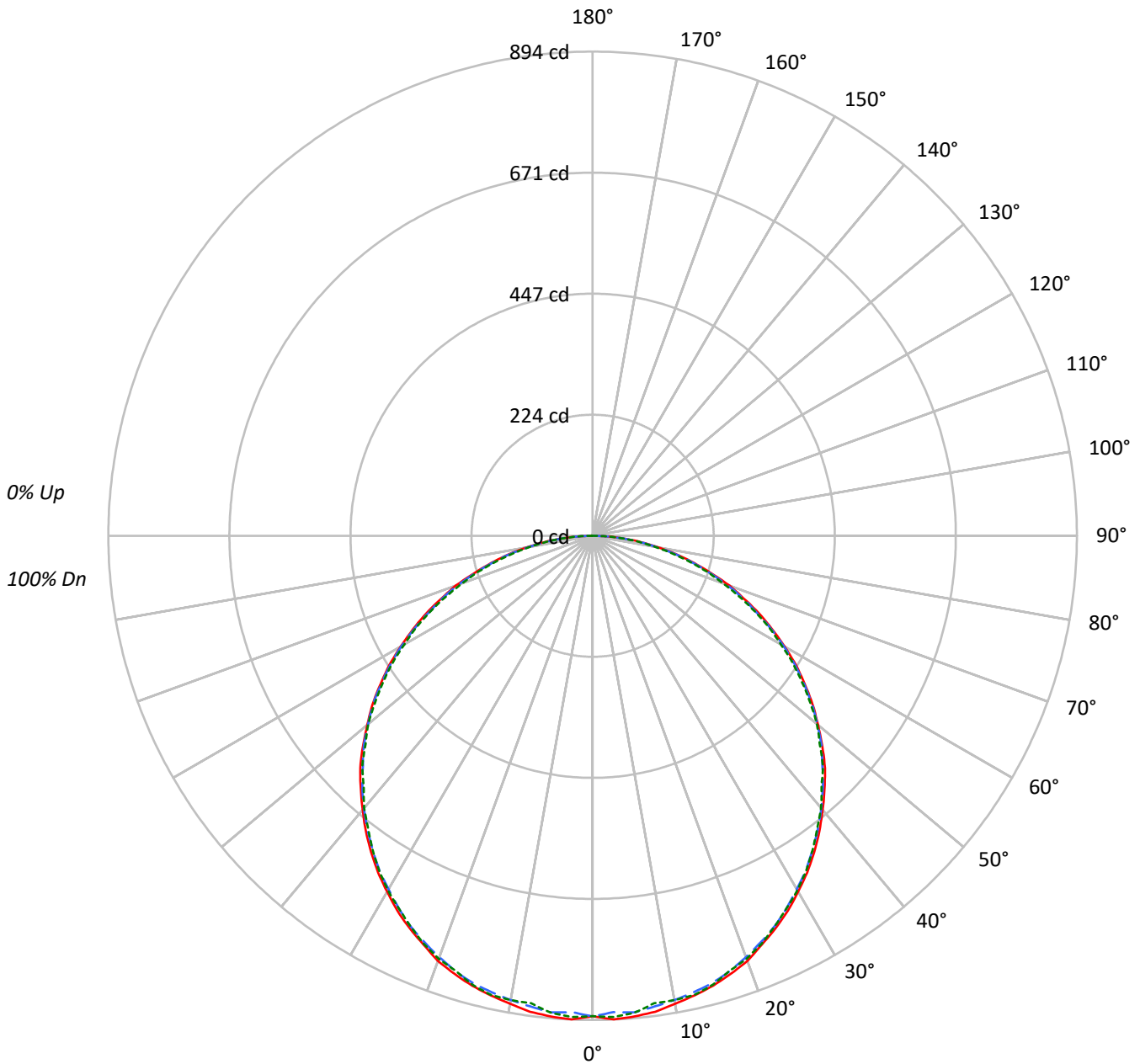
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2620.0 lumens
Efficiency: N/A
Efficacy: 137.2 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): 19.1
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: P856515
CATALOG NUMBER: 14MMS-L3C3-UNV-LOW-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P856515

CATALOG NUMBER: 14MMS-L3C3-UNV-LOW-3500K

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°	2989	2989	2989
5°	3013	2988	2990
10°	3002	2979	2979
15°	3000	2982	2993
20°	2996	2969	2979
25°	2972	2958	2958
30°	2953	2932	2941
35°	2933	2912	2912
40°	2906	2889	2886
45°	2891	2859	2866
50°	2846	2838	2834
55°	2810	2798	2775
60°	2759	2744	2704
65°	2702	2655	2631
70°	2645	2586	2519
75°	2519	2480	2411
80°	2400	2342	2255
85°	2204	2146	2057



TEST NUMBER: P856515

CATALOG NUMBER: 14MMS-L3C3-UNV-LOW-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	3.2
10°-20°	241.4	9.2
20°-30°	367.0	14.0
30°-40°	443.7	16.9
40°-50°	464.3	17.7
50°-60°	425.5	16.2
60°-70°	331.0	12.6
70°-80°	201.1	7.7
80°-90°	62.0	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°	692.5	26.4
0°-40°	1136.1	43.4
0°-60°	2025.9	77.3
0°-90°	2620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	891	886	883	885	884	85
15°	860	850	855	856	858	243
25°	799	794	796	797	796	369
35°	713	709	708	709	708	446
45°	607	603	600	602	601	467
55°	478	478	476	474	472	428
65°	339	338	333	333	330	335
75°	194	194	190	187	185	205
85°	57	56	56	54	53	64
90°	0	0	0	0	0	



TEST NUMBER: P856515

CATALOG NUMBER: 14MMS-L3C3-UNV-LOW-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	887.1	887.1	887.1	887.1	887.1
2.5°	893.9	886.4	880.4	887.1	889.4
5°	890.9	885.6	883.4	884.9	884.1
7.5°	886.4	881.1	876.6	882.6	870.6
10°	877.4	871.4	870.6	875.1	870.6
12.5°	869.1	864.6	863.1	866.9	868.4
15°	860.1	850.4	854.9	856.4	857.9
17.5°	848.1	839.9	842.9	845.9	842.1
20°	835.4	827.1	827.9	830.1	830.9
22.5°	816.6	812.9	812.1	815.9	815.1
25°	799.4	794.1	795.6	797.1	795.6
27.5°	780.6	775.4	775.4	780.6	775.4
30°	758.9	754.4	753.6	755.9	755.9
32.5°	737.1	732.6	732.6	732.6	733.4
35°	713.1	708.6	707.9	709.4	707.9
37.5°	687.6	684.6	683.1	683.1	680.9
40°	660.7	658.4	656.9	656.9	656.2
42.5°	633.7	631.4	629.2	628.4	625.4
45°	606.7	602.9	599.9	602.2	601.4
47.5°	575.2	575.9	572.9	569.9	568.4
50°	542.9	542.9	541.4	541.4	540.7
52.5°	512.2	511.4	510.7	506.9	506.2
55°	478.4	478.4	476.2	473.9	472.4
57.5°	445.4	445.4	442.4	439.4	438.7
60°	409.4	409.4	407.2	404.2	401.2
62.5°	373.4	373.4	370.4	367.4	367.4
65°	338.9	338.2	333.0	333.0	330.0
67.5°	301.5	300.7	299.2	295.5	292.5
70°	268.5	265.5	262.5	258.7	255.7
72.5°	228.7	229.5	225.0	222.7	221.2
75°	193.5	193.5	190.5	186.7	185.2
77.5°	159.0	157.5	156.0	153.7	150.0
80°	123.7	123.7	120.7	117.7	116.2
82.5°	90.7	89.2	87.7	84.7	86.2
85°	57.0	55.5	55.5	54.0	53.2
87.5°	24.7	25.5	24.7	25.5	25.5
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)