

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: P856440

Luminaire Tested: **12MMS-L3C5-UNV-LOW-3000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 12MMS-L3C5-UNV-LOW-3000K
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 3000K settings
Light Source: -
Ballast/Driver: -

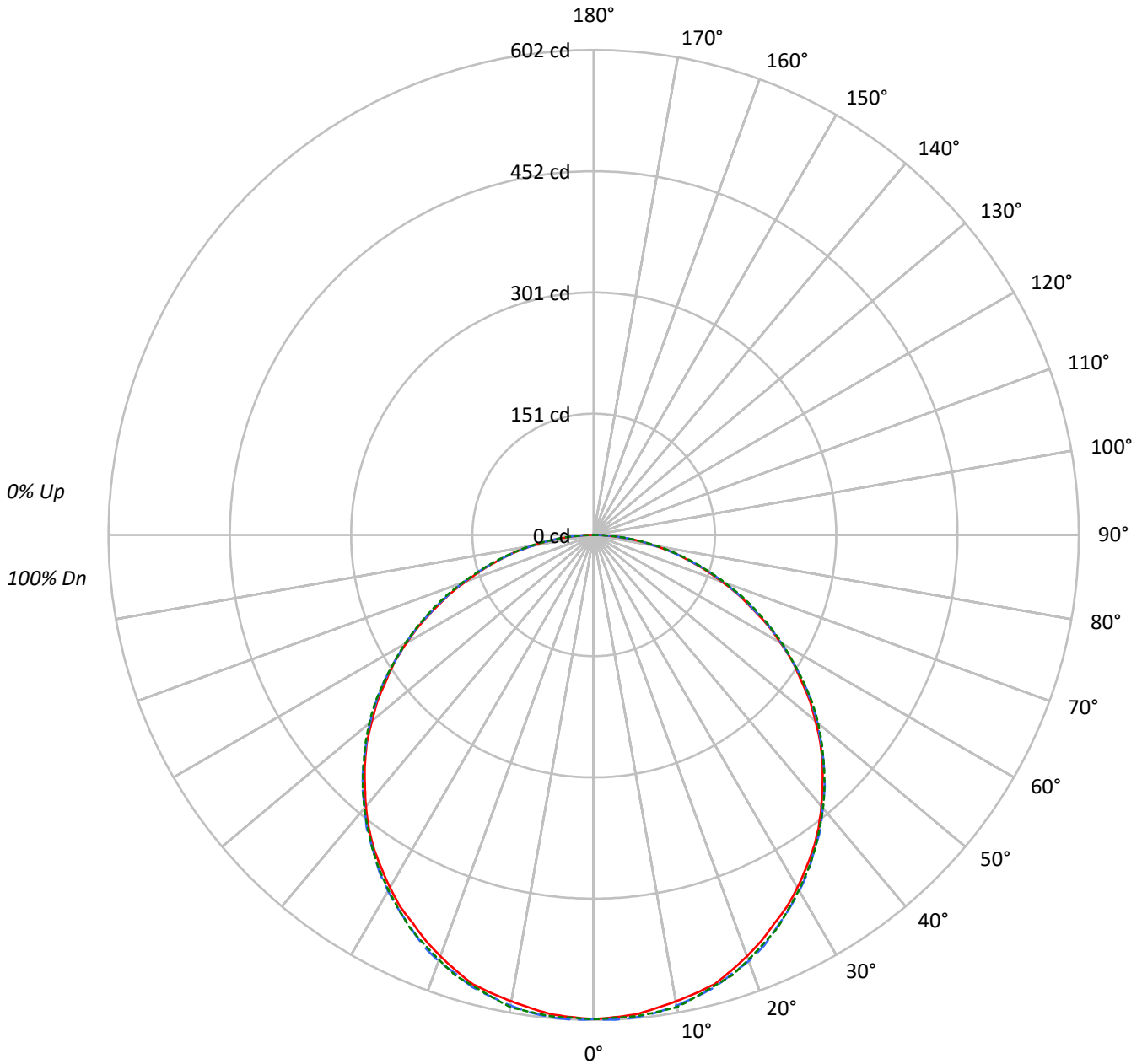
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1750.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 19
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	68	55	46	40	53	46	40	52	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4235	4235	4235
5°	4226	4251	4243
10°	4205	4245	4257
15°	4213	4239	4226
20°	4172	4221	4208
25°	4133	4179	4189
30°	4113	4152	4143
35°	4088	4104	4110
40°	4044	4066	4072
45°	4001	4025	4025
50°	3937	3971	3984
55°	3856	3900	3900
60°	3775	3792	3809
65°	3629	3659	3711
70°	3475	3539	3564
75°	3326	3343	3424
80°	3092	3116	3262
85°	2740	2789	2886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	3.3
10°-20°	163.4	9.3
20°-30°	247.3	14.1
30°-40°	298.6	17.1
40°-50°	311.2	17.8
50°-60°	283.2	16.2
60°-70°	218.6	12.5
70°-80°	131.2	7.5
80°-90°	39.4	2.3
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°	467.8	26.7
0°-40°	766.4	43.8
0°-60°	1360.8	77.8
0°-90°	1750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	598	598	601	600	600	57
15°	578	579	581	580	579	163
25°	532	536	538	537	539	246
35°	475	478	477	479	478	297
45°	402	402	404	404	404	310
55°	314	317	318	318	318	281
65°	218	220	220	222	223	217
75°	122	124	123	125	126	129
85°	34	34	34	35	36	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601.1	601.1	601.1	601.1	601.1
2.5°	599.3	600.5	602.3	602.3	599.9
5°	597.5	598.1	601.1	600.5	599.9
7.5°	592.7	595.1	598.1	598.1	597.5
10°	587.8	590.9	593.3	593.9	595.1
12.5°	583.0	584.8	587.2	588.4	587.2
15°	577.6	578.8	581.2	580.0	579.4
17.5°	567.3	569.1	570.9	570.9	572.7
20°	556.4	557.6	563.0	563.0	561.2
22.5°	544.9	546.7	552.1	549.7	549.7
25°	531.6	536.4	537.6	537.0	538.8
27.5°	520.1	521.9	524.3	524.9	523.7
30°	505.6	507.4	510.4	509.2	509.2
32.5°	490.5	492.3	495.3	494.7	494.1
35°	475.3	477.8	477.2	479.0	477.8
37.5°	458.4	458.4	462.0	460.8	460.2
40°	439.7	441.5	442.1	442.7	442.7
42.5°	420.3	422.7	424.5	423.3	423.9
45°	401.6	402.2	404.0	404.0	404.0
47.5°	381.6	382.8	382.8	384.0	384.0
50°	359.2	361.6	362.3	364.1	363.5
52.5°	338.1	338.1	340.5	341.7	341.7
55°	313.9	316.9	317.5	317.5	317.5
57.5°	292.7	293.9	292.7	294.5	293.3
60°	267.9	269.1	269.1	270.3	270.3
62.5°	244.3	244.9	245.5	246.7	246.7
65°	217.7	220.1	219.5	221.9	222.6
67.5°	194.7	195.9	195.9	197.8	198.4
70°	168.7	171.1	171.8	174.2	173.0
72.5°	145.1	147.0	148.2	148.8	148.8
75°	122.2	124.0	122.8	125.2	125.8
77.5°	101.0	99.8	100.4	101.6	101.6
80°	76.2	77.4	76.8	78.0	80.4
82.5°	55.0	55.6	56.2	56.8	56.8
85°	33.9	33.9	34.5	35.1	35.7
87.5°	15.1	15.7	15.7	15.1	15.7
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)