

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: P856439

Luminaire Tested: **12MMS-L3C5-UNV-LOW-2700K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856439
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-2700K
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 2700K settings
Light Source: -
Ballast/Driver: -

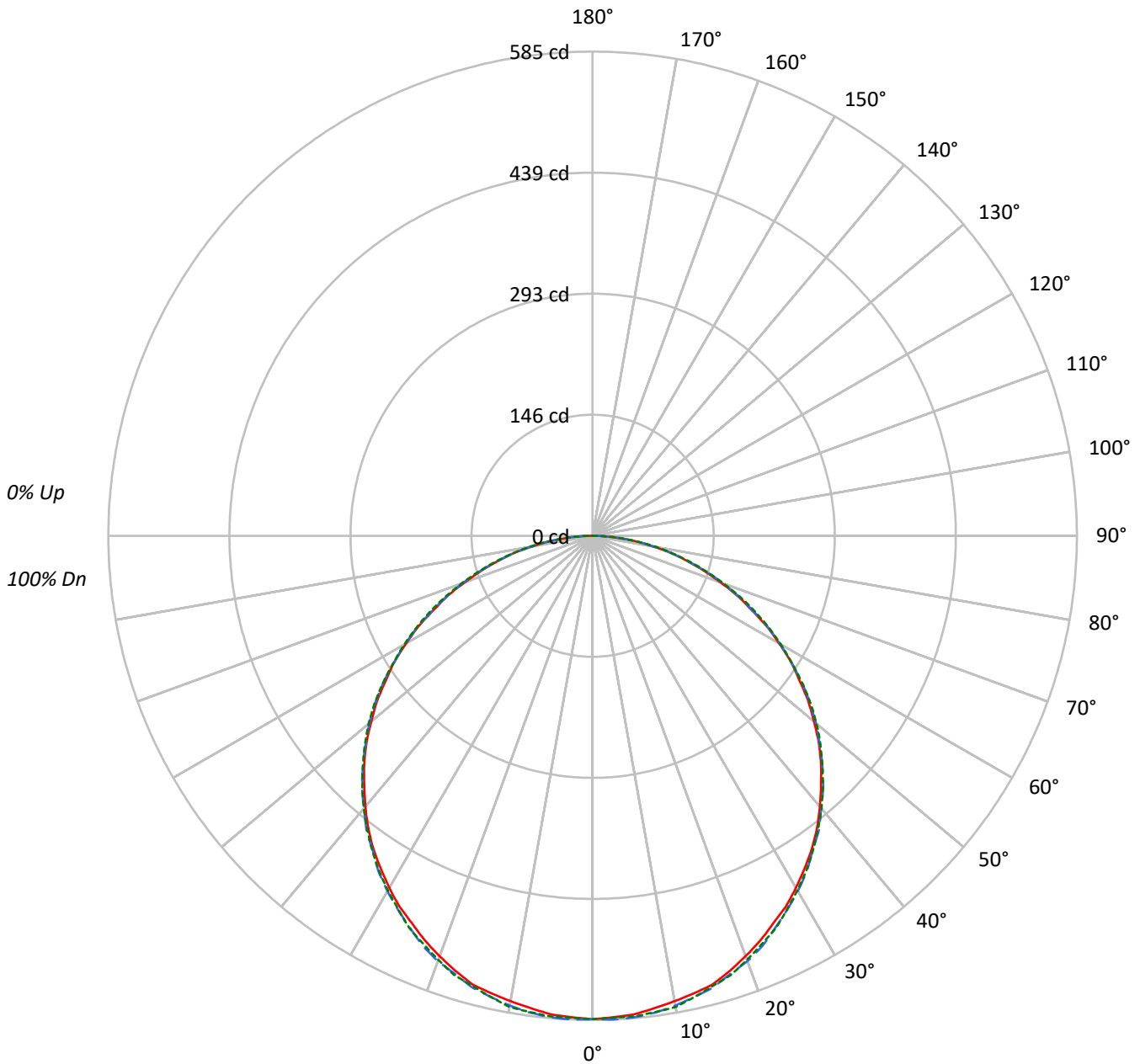
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1700.0 lumens
Efficiency: N/A
Efficacy: 89.5 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

TEST NUMBER: P856439
CATALOG NUMBER: 12MMS-L3C5-UNV-LOW-2700K

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°	4115	4115	4115
5°	4105	4130	4122
10°	4085	4123	4136
15°	4092	4118	4105
20°	4052	4100	4088
25°	4014	4060	4069
30°	3995	4034	4025
35°	3972	3987	3992
40°	3928	3950	3955
45°	3887	3910	3910
50°	3825	3857	3870
55°	3745	3788	3788
60°	3668	3683	3700
65°	3526	3556	3604
70°	3376	3436	3461
75°	3231	3248	3326
80°	3002	3027	3169
85°	2660	2708	2805



TEST NUMBER: P856439

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	3.3
10°-20°	158.8	9.3
20°-30°	240.3	14.1
30°-40°	290.1	17.1
40°-50°	302.3	17.8
50°-60°	275.1	16.2
60°-70°	212.3	12.5
70°-80°	127.4	7.5
80°-90°	38.3	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°	454.4	26.7
0°-40°	744.5	43.8
0°-60°	1321.9	77.8
0°-90°	1700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	580	581	584	583	583	55
15°	561	562	565	563	563	158
25°	516	521	522	522	523	238
35°	462	464	464	465	464	289
45°	390	391	392	392	392	301
55°	305	308	308	308	308	273
65°	212	214	213	216	216	210
75°	119	120	119	122	122	126
85°	33	33	34	34	35	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	584.0	584.0	584.0	584.0	584.0
2.5°	582.2	583.4	585.1	585.1	582.8
5°	580.4	581.0	584.0	583.4	582.8
7.5°	575.7	578.1	581.0	581.0	580.4
10°	571.0	574.0	576.3	576.9	578.1
12.5°	566.3	568.1	570.4	571.6	570.4
15°	561.0	562.2	564.6	563.4	562.8
17.5°	551.1	552.8	554.6	554.6	556.3
20°	540.5	541.7	546.9	546.9	545.2
22.5°	529.3	531.1	536.4	534.0	534.0
25°	516.4	521.1	522.3	521.7	523.4
27.5°	505.2	507.0	509.3	509.9	508.8
30°	491.1	492.9	495.8	494.7	494.7
32.5°	476.5	478.2	481.2	480.6	480.0
35°	461.8	464.1	463.5	465.3	464.1
37.5°	445.3	445.3	448.8	447.7	447.1
40°	427.1	428.9	429.5	430.0	430.0
42.5°	408.3	410.7	412.4	411.2	411.8
45°	390.1	390.7	392.4	392.4	392.4
47.5°	370.7	371.9	371.9	373.1	373.1
50°	349.0	351.3	351.9	353.7	353.1
52.5°	328.4	328.4	330.8	331.9	331.9
55°	304.9	307.8	308.4	308.4	308.4
57.5°	284.3	285.5	284.3	286.1	284.9
60°	260.3	261.4	261.4	262.6	262.6
62.5°	237.3	237.9	238.5	239.7	239.7
65°	211.5	213.8	213.3	215.6	216.2
67.5°	189.2	190.3	190.3	192.1	192.7
70°	163.9	166.3	166.8	169.2	168.0
72.5°	141.0	142.8	143.9	144.5	144.5
75°	118.7	120.4	119.3	121.6	122.2
77.5°	98.1	96.9	97.5	98.7	98.7
80°	74.0	75.2	74.6	75.8	78.1
82.5°	53.5	54.0	54.6	55.2	55.2
85°	32.9	32.9	33.5	34.1	34.7
87.5°	14.7	15.3	15.3	14.7	15.3
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)