

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: P856436

Luminaire Tested: **12MMS-L3C5-UNV-HIGH-3500K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856436
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-HIGH-3500K
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel atHIGH and 3500K settings
Light Source: -
Ballast/Driver: -

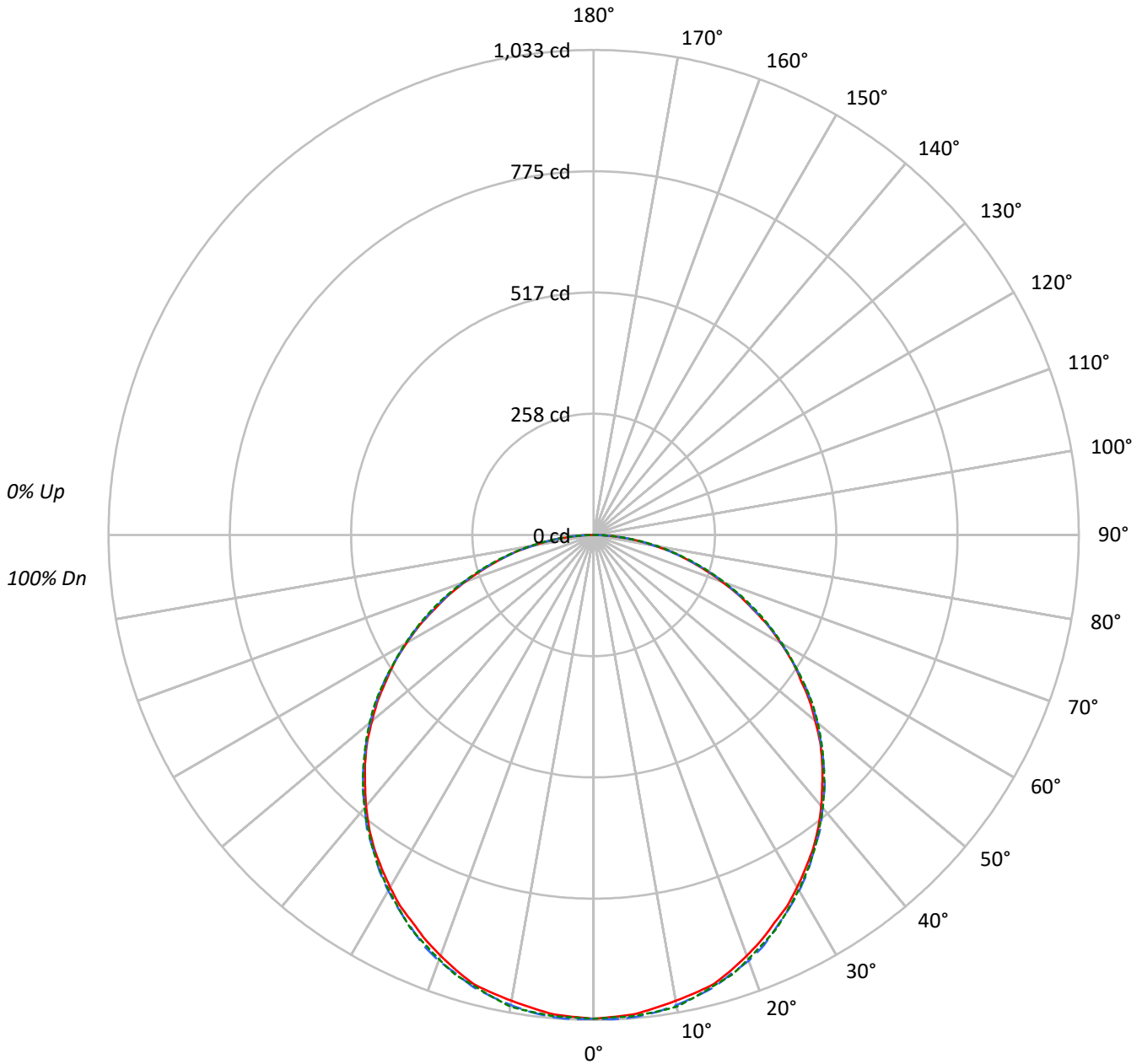
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3000.0 lumens
Efficiency: N/A
Efficacy: 90.9 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): 33
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°	7260	7260	7260
5°	7244	7288	7273
10°	7209	7276	7299
15°	7222	7267	7244
20°	7151	7237	7213
25°	7084	7165	7181
30°	7051	7118	7101
35°	7009	7036	7044
40°	6932	6971	6980
45°	6859	6900	6900
50°	6750	6807	6830
55°	6610	6686	6686
60°	6472	6500	6530
65°	6222	6273	6360
70°	5959	6065	6108
75°	5700	5730	5869
80°	5299	5343	5595
85°	4697	4778	4947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	3.3
10°-20°	280.2	9.3
20°-30°	424.0	14.1
30°-40°	511.9	17.1
40°-50°	533.5	17.8
50°-60°	485.5	16.2
60°-70°	374.7	12.5
70°-80°	224.8	7.5
80°-90°	67.6	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°	801.9	26.7
0°-40°	1313.8	43.8
0°-60°	2332.8	77.8
0°-90°	3000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1024	1025	1030	1030	1028	97
15°	990	992	996	994	993	279
25°	911	920	922	921	924	421
35°	815	819	818	821	819	509
45°	688	689	692	692	692	531
55°	538	543	544	544	544	482
65°	373	377	376	380	382	371
75°	209	212	210	215	216	222
85°	58	58	59	60	61	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.5	1030.5	1030.5	1030.5	1030.5
2.5°	1027.4	1029.5	1032.6	1032.6	1028.4
5°	1024.3	1025.3	1030.5	1029.5	1028.4
7.5°	1016.0	1020.2	1025.3	1025.3	1024.3
10°	1007.7	1012.9	1017.0	1018.1	1020.2
12.5°	999.4	1002.5	1006.7	1008.7	1006.7
15°	990.1	992.2	996.3	994.2	993.2
17.5°	972.5	975.6	978.7	978.7	981.8
20°	953.8	955.9	965.2	965.2	962.1
22.5°	934.1	937.2	946.5	942.4	942.4
25°	911.3	919.6	921.7	920.6	923.7
27.5°	891.6	894.7	898.9	899.9	897.8
30°	866.7	869.8	875.0	872.9	872.9
32.5°	840.8	843.9	849.1	848.1	847.0
35°	814.9	819.0	818.0	821.1	819.0
37.5°	785.8	785.8	792.1	790.0	789.0
40°	753.7	756.8	757.9	758.9	758.9
42.5°	720.5	724.7	727.8	725.7	726.8
45°	688.4	689.4	692.5	692.5	692.5
47.5°	654.2	656.3	656.3	658.3	658.3
50°	615.8	620.0	621.0	624.1	623.1
52.5°	579.5	579.5	583.7	585.8	585.8
55°	538.1	543.3	544.3	544.3	544.3
57.5°	501.8	503.9	501.8	504.9	502.8
60°	459.3	461.3	461.3	463.4	463.4
62.5°	418.8	419.9	420.9	423.0	423.0
65°	373.2	377.4	376.3	380.5	381.5
67.5°	333.8	335.9	335.9	339.0	340.1
70°	289.3	293.4	294.4	298.6	296.5
72.5°	248.8	251.9	254.0	255.0	255.0
75°	209.4	212.5	210.5	214.6	215.6
77.5°	173.1	171.1	172.1	174.2	174.2
80°	130.6	132.7	131.7	133.7	137.9
82.5°	94.3	95.4	96.4	97.5	97.5
85°	58.1	58.1	59.1	60.1	61.2
87.5°	25.9	27.0	27.0	25.9	27.0
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)