

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: P856435

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

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856435
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-3000K
Description: 1x2 Multi-mount Selectable Direct Mound LED Backlit Panel atHIGH and 3000K settings
Light Source: -
Ballast/Driver: -

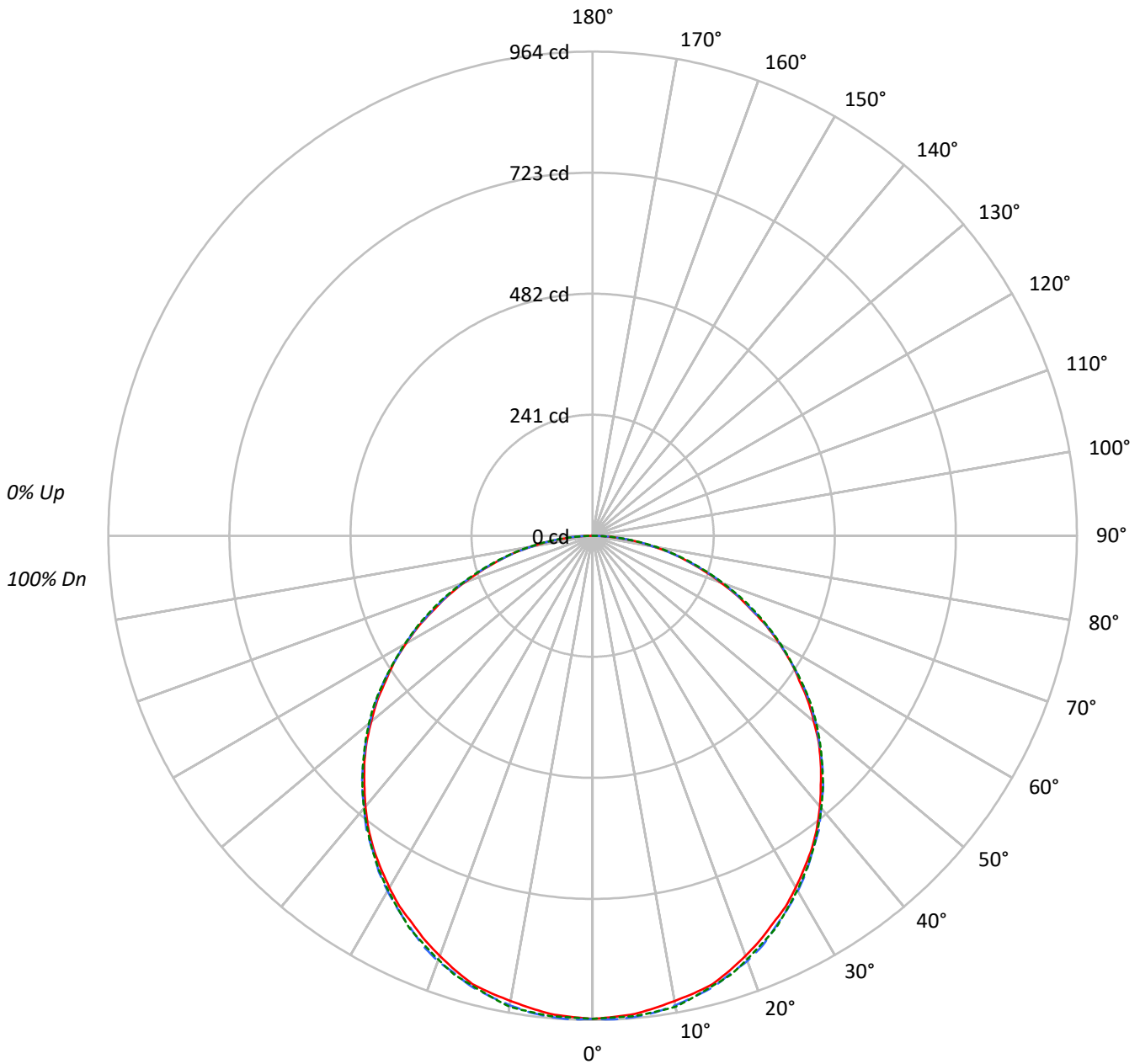
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2800.0 lumens
Efficiency: N/A
Efficacy: 84.8 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°	6776	6776	6776
5°	6761	6802	6789
10°	6728	6791	6811
15°	6740	6783	6762
20°	6674	6755	6733
25°	6612	6687	6703
30°	6581	6644	6628
35°	6542	6567	6575
40°	6470	6505	6514
45°	6402	6441	6441
50°	6300	6353	6374
55°	6169	6240	6240
60°	6041	6068	6094
65°	5807	5855	5937
70°	5562	5661	5700
75°	5322	5346	5480
80°	4946	4986	5222
85°	4381	4462	4616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	3.3
10°-20°	261.5	9.3
20°-30°	395.7	14.1
30°-40°	477.8	17.1
40°-50°	497.9	17.8
50°-60°	453.2	16.2
60°-70°	349.7	12.5
70°-80°	209.8	7.5
80°-90°	63.1	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°	748.4	26.7
0°-40°	1226.2	43.8
0°-60°	2177.3	77.8
0°-90°	2800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	956	957	962	961	960	91
15°	924	926	930	928	927	260
25°	850	858	860	859	862	393
35°	761	764	764	766	764	475
45°	642	644	646	646	646	495
55°	502	507	508	508	508	450
65°	348	352	351	355	356	346
75°	196	198	196	200	201	207
85°	54	54	55	56	57	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	961.8	961.8	961.8	961.8	961.8
2.5°	958.9	960.8	963.8	963.8	959.9
5°	956.0	957.0	961.8	960.8	959.9
7.5°	948.3	952.1	957.0	957.0	956.0
10°	940.5	945.4	949.2	950.2	952.1
12.5°	932.8	935.7	939.6	941.5	939.6
15°	924.1	926.0	929.9	928.0	927.0
17.5°	907.6	910.5	913.4	913.4	916.3
20°	890.2	892.1	900.9	900.9	898.0
22.5°	871.8	874.7	883.4	879.6	879.6
25°	850.5	858.3	860.2	859.2	862.2
27.5°	832.2	835.1	838.9	839.9	838.0
30°	808.9	811.8	816.7	814.7	814.7
32.5°	784.7	787.6	792.5	791.5	790.5
35°	760.6	764.4	763.5	766.4	764.4
37.5°	733.5	733.5	739.3	737.3	736.4
40°	703.5	706.4	707.3	708.3	708.3
42.5°	672.5	676.4	679.3	677.3	678.3
45°	642.5	643.5	646.4	646.4	646.4
47.5°	610.6	612.5	612.5	614.4	614.4
50°	574.8	578.6	579.6	582.5	581.5
52.5°	540.9	540.9	544.8	546.7	546.7
55°	502.2	507.0	508.0	508.0	508.0
57.5°	468.3	470.3	468.3	471.2	469.3
60°	428.7	430.6	430.6	432.5	432.5
62.5°	390.9	391.9	392.9	394.8	394.8
65°	348.3	352.2	351.2	355.1	356.1
67.5°	311.6	313.5	313.5	316.4	317.4
70°	270.0	273.8	274.8	278.7	276.7
72.5°	232.2	235.1	237.1	238.0	238.0
75°	195.5	198.4	196.4	200.3	201.3
77.5°	161.6	159.7	160.6	162.6	162.6
80°	121.9	123.9	122.9	124.8	128.7
82.5°	88.1	89.0	90.0	91.0	91.0
85°	54.2	54.2	55.2	56.1	57.1
87.5°	24.2	25.2	25.2	24.2	25.2
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)