

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: P856519

Luminaire Tested: **14MMS-L3C3-UNV-MEDIUM-4000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856519
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-MEDIUM-4000K
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 4000K settings
Light Source: -
Ballast/Driver: -

Summary

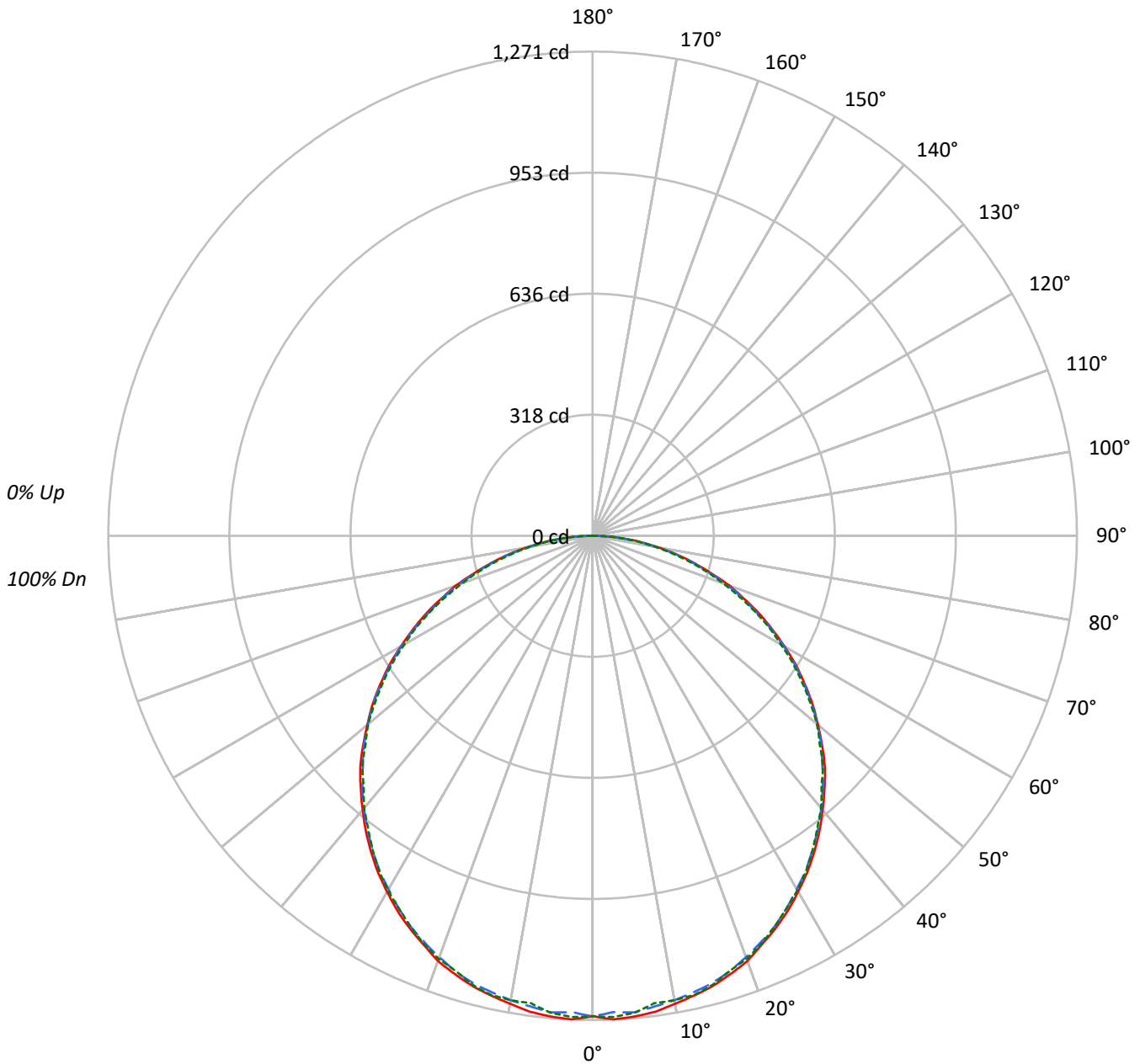
Lumens per Lamp: N/A
Luminaire Lumens: 3725.0 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 25.2
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	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°	4250	4250	4250
5°	4284	4248	4252
10°	4268	4235	4235
15°	4266	4240	4255
20°	4259	4221	4236
25°	4225	4206	4206
30°	4198	4169	4181
35°	4171	4140	4140
40°	4132	4108	4104
45°	4110	4064	4075
50°	4046	4035	4030
55°	3996	3977	3946
60°	3923	3901	3844
65°	3842	3774	3740
70°	3760	3677	3582
75°	3582	3526	3428
80°	3413	3332	3208
85°	3132	3050	2927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	3.2
10°-20°	343.2	9.2
20°-30°	521.8	14.0
30°-40°	630.8	16.9
40°-50°	660.1	17.7
50°-60°	604.9	16.2
60°-70°	470.6	12.6
70°-80°	285.9	7.7
80°-90°	88.2	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°	984.5	26.4
0°-40°	1615.3	43.4
0°-60°	2880.3	77.3
0°-90°	3725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1261	1261	1261	1261	1261	
5°	1267	1259	1256	1258	1257	120
15°	1223	1209	1215	1218	1220	345
25°	1136	1129	1131	1133	1131	524
35°	1014	1008	1006	1009	1006	634
45°	862	857	853	856	855	664
55°	680	680	677	674	672	608
65°	482	481	473	473	469	476
75°	275	275	271	266	263	291
85°	81	79	79	77	76	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.3	1261.3	1261.3	1261.3	1261.3
2.5°	1270.9	1260.2	1251.7	1261.3	1264.5
5°	1266.6	1259.1	1255.9	1258.1	1257.0
7.5°	1260.2	1252.7	1246.3	1254.9	1237.8
10°	1247.4	1238.9	1237.8	1244.2	1237.8
12.5°	1235.7	1229.3	1227.1	1232.5	1234.6
15°	1222.9	1209.0	1215.4	1217.6	1219.7
17.5°	1205.8	1194.1	1198.4	1202.6	1197.3
20°	1187.7	1176.0	1177.0	1180.2	1181.3
22.5°	1161.0	1155.7	1154.6	1160.0	1158.9
25°	1136.5	1129.1	1131.2	1133.3	1131.2
27.5°	1109.9	1102.4	1102.4	1109.9	1102.4
30°	1079.0	1072.6	1071.5	1074.7	1074.7
32.5°	1048.0	1041.6	1041.6	1041.6	1042.7
35°	1013.9	1007.5	1006.5	1008.6	1006.5
37.5°	977.7	973.4	971.3	971.3	968.1
40°	939.3	936.1	934.0	934.0	932.9
42.5°	900.9	897.7	894.5	893.4	889.2
45°	862.5	857.2	852.9	856.1	855.1
47.5°	817.7	818.8	814.5	810.3	808.1
50°	771.9	771.9	769.8	769.8	768.7
52.5°	728.2	727.1	726.1	720.7	719.7
55°	680.2	680.2	677.0	673.8	671.7
57.5°	633.3	633.3	629.0	624.8	623.7
60°	582.1	582.1	578.9	574.7	570.4
62.5°	530.9	530.9	526.7	522.4	522.4
65°	481.9	480.8	473.4	473.4	469.1
67.5°	428.6	427.5	425.4	420.1	415.8
70°	381.7	377.4	373.2	367.8	363.6
72.5°	325.2	326.2	319.8	316.6	314.5
75°	275.1	275.1	270.8	265.5	263.3
77.5°	226.0	223.9	221.8	218.6	213.2
80°	175.9	175.9	171.7	167.4	165.3
82.5°	129.0	126.9	124.7	120.5	122.6
85°	81.0	78.9	78.9	76.8	75.7
87.5°	35.2	36.2	35.2	36.2	36.2
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)