

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: P856520

Luminaire Tested: **14MMS-L3C3-UNV-MEDIUM-5000K**

Issue Date: 7/30/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856520  
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-5000K  
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM and 5000K settings  
Light Source: -  
Ballast/Driver: -

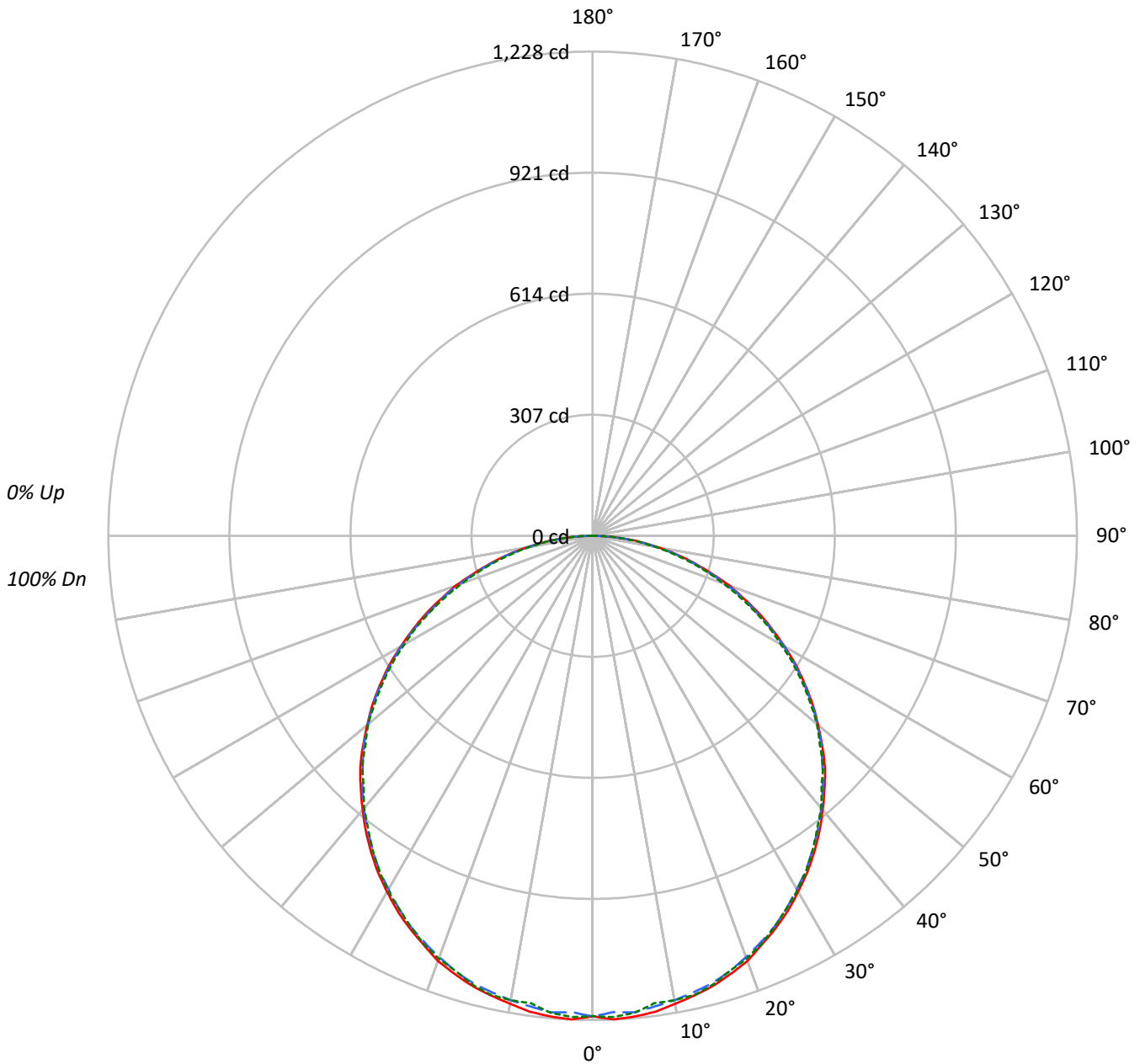
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3599.0 lumens  
Efficiency: N/A  
Efficacy: 136.8 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): 26.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	4106	4106	4106
5°	4139	4105	4108
10°	4124	4092	4092
15°	4122	4096	4111
20°	4115	4078	4093
25°	4083	4063	4063
30°	4056	4028	4040
35°	4030	4000	4000
40°	3992	3969	3965
45°	3971	3927	3937
50°	3910	3899	3893
55°	3861	3843	3813
60°	3790	3769	3714
65°	3712	3647	3613
70°	3633	3552	3461
75°	3460	3406	3312
80°	3299	3217	3099
85°	3027	2946	2826



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.5	3.2
10°-20°	331.6	9.2
20°-30°	504.1	14.0
30°-40°	609.5	16.9
40°-50°	637.8	17.7
50°-60°	584.4	16.2
60°-70°	454.7	12.6
70°-80°	276.2	7.7
80°-90°	85.2	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°	951.2	26.4
0°-40°	1560.7	43.4
0°-60°	2782.9	77.3
0°-90°	3599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3599.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1219	1219	1219	1219	1219	
5°	1224	1216	1214	1216	1214	116
15°	1182	1168	1174	1176	1178	333
25°	1098	1091	1093	1095	1093	506
35°	980	973	972	974	972	613
45°	833	828	824	827	826	641
55°	657	657	654	651	649	588
65°	466	465	457	457	453	460
75°	266	266	262	256	254	282
85°	78	76	76	74	73	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1218.6	1218.6	1218.6	1218.6	1218.6
2.5°	1227.9	1217.6	1209.3	1218.6	1221.7
5°	1223.8	1216.5	1213.5	1215.5	1214.5
7.5°	1217.6	1210.4	1204.2	1212.4	1195.9
10°	1205.2	1197.0	1195.9	1202.1	1195.9
12.5°	1193.9	1187.7	1185.6	1190.8	1192.8
15°	1181.5	1168.1	1174.3	1176.4	1178.4
17.5°	1165.0	1153.7	1157.8	1161.9	1156.8
20°	1147.5	1136.2	1137.2	1140.3	1141.3
22.5°	1121.8	1116.6	1115.6	1120.7	1119.7
25°	1098.1	1090.9	1092.9	1095.0	1092.9
27.5°	1072.3	1065.1	1065.1	1072.3	1065.1
30°	1042.5	1036.3	1035.2	1038.3	1038.3
32.5°	1012.6	1006.4	1006.4	1006.4	1007.4
35°	979.6	973.4	972.4	974.5	972.4
37.5°	944.6	940.5	938.4	938.4	935.3
40°	907.5	904.4	902.4	902.4	901.3
42.5°	870.4	867.3	864.2	863.2	859.1
45°	833.3	828.2	824.1	827.2	826.1
47.5°	790.1	791.1	787.0	782.9	780.8
50°	745.8	745.8	743.7	743.7	742.7
52.5°	703.6	702.5	701.5	696.3	695.3
55°	657.2	657.2	654.1	651.0	649.0
57.5°	611.9	611.9	607.8	603.6	602.6
60°	562.4	562.4	559.3	555.2	551.1
62.5°	513.0	513.0	508.9	504.7	504.7
65°	465.6	464.6	457.4	457.4	453.2
67.5°	414.1	413.1	411.0	405.9	401.7
70°	368.8	364.7	360.5	355.4	351.3
72.5°	314.2	315.2	309.0	305.9	303.9
75°	265.8	265.8	261.6	256.5	254.4
77.5°	218.4	216.3	214.3	211.2	206.0
80°	170.0	170.0	165.8	161.7	159.7
82.5°	124.6	122.6	120.5	116.4	118.5
85°	78.3	76.2	76.2	74.2	73.1
87.5°	34.0	35.0	34.0	35.0	35.0
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)