

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: P856518

Luminaire Tested: **14MMS-L3C3-UNV-MEDIUM-3500K**

Issue Date: 7/30/2024

Test Information

Test Method: LM-79-08
Report Number: P856518
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-3500K
Description: 1x4 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM
and 3500K settings
Light Source: -
Ballast/Driver: -

Summary

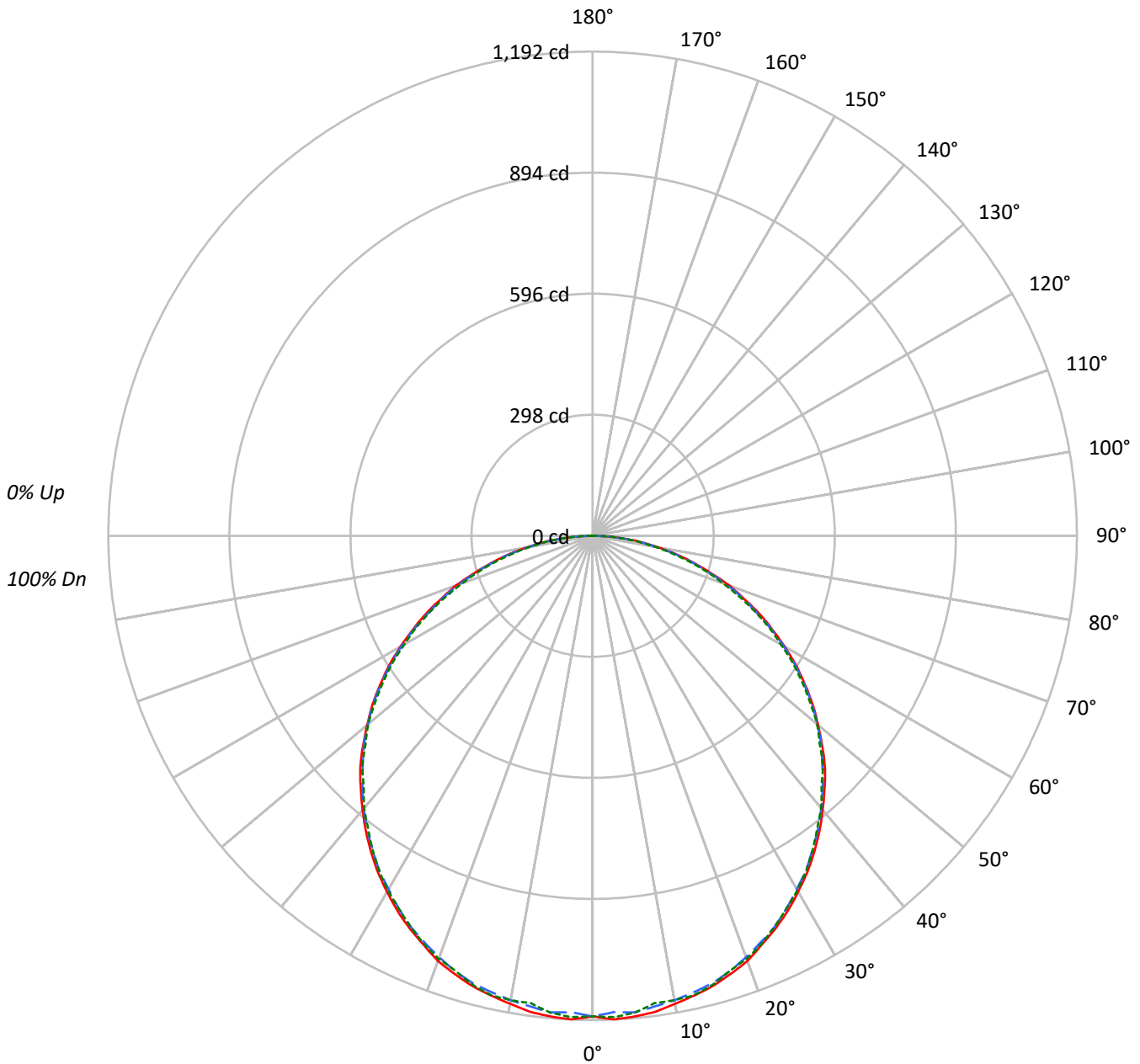
Lumens per Lamp: N/A
Luminaire Lumens: 3493.9 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (A_{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°	3986	3986	3986
5°	4018	3985	3988
10°	4003	3972	3972
15°	4001	3977	3991
20°	3995	3959	3973
25°	3963	3945	3945
30°	3938	3910	3922
35°	3912	3883	3883
40°	3875	3853	3849
45°	3855	3812	3822
50°	3795	3785	3780
55°	3748	3730	3701
60°	3680	3659	3605
65°	3604	3540	3508
70°	3527	3448	3360
75°	3359	3307	3216
80°	3202	3124	3008
85°	2938	2861	2745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	3.2
10°-20°	321.9	9.2
20°-30°	489.4	14.0
30°-40°	591.7	16.9
40°-50°	619.1	17.7
50°-60°	567.4	16.2
60°-70°	441.4	12.6
70°-80°	268.1	7.7
80°-90°	82.7	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°	923.4	26.4
0°-40°	1515.1	43.4
0°-60°	2701.6	77.3
0°-90°	3493.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3493.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1188	1181	1178	1180	1179	113
15°	1147	1134	1140	1142	1144	324
25°	1066	1059	1061	1063	1061	491
35°	951	945	944	946	944	595
45°	809	804	800	803	802	622
55°	638	638	635	632	630	570
65°	452	451	444	444	440	446
75°	258	258	254	249	247	273
85°	76	74	74	72	71	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183	1183	1183	1183	1183
2.5°	1192	1182	1174	1183	1186
5°	1188	1181	1178	1180	1179
7.5°	1182	1175	1169	1177	1161
10°	1170	1162	1161	1167	1161
12.5°	1159	1153	1151	1156	1158
15°	1147	1134	1140	1142	1144
17.5°	1131	1120	1124	1128	1123
20°	1114	1103	1104	1107	1108
22.5°	1089	1084	1083	1088	1087
25°	1066	1059	1061	1063	1061
27.5°	1041	1034	1034	1041	1034
30°	1012	1006	1005	1008	1008
32.5°	983	977	977	977	978
35°	951	945	944	946	944
37.5°	917	913	911	911	908
40°	881	878	876	876	875
42.5°	845	842	839	838	834
45°	809	804	800	803	802
47.5°	767	768	764	760	758
50°	724	724	722	722	721
52.5°	683	682	681	676	675
55°	638	638	635	632	630
57.5°	594	594	590	586	585
60°	546	546	543	539	535
62.5°	498	498	494	490	490
65°	452	451	444	444	440
67.5°	402	401	399	394	390
70°	358	354	350	345	341
72.5°	305	306	300	297	295
75°	258	258	254	249	247
77.5°	212	210	208	205	200
80°	165	165	161	157	155
82.5°	121	119	117	113	115
85°	76	74	74	72	71
87.5°	33	34	33	34	34
90°	0	0	0	0	0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)