

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: P856461

Luminaire Tested: **24MMS-L3C3-UNV-LOW-3500K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-35)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24MMS-L3C3-UNV-LOW-3500K
Description: 2x4 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 3500K settings
Light Source: -
Ballast/Driver: -

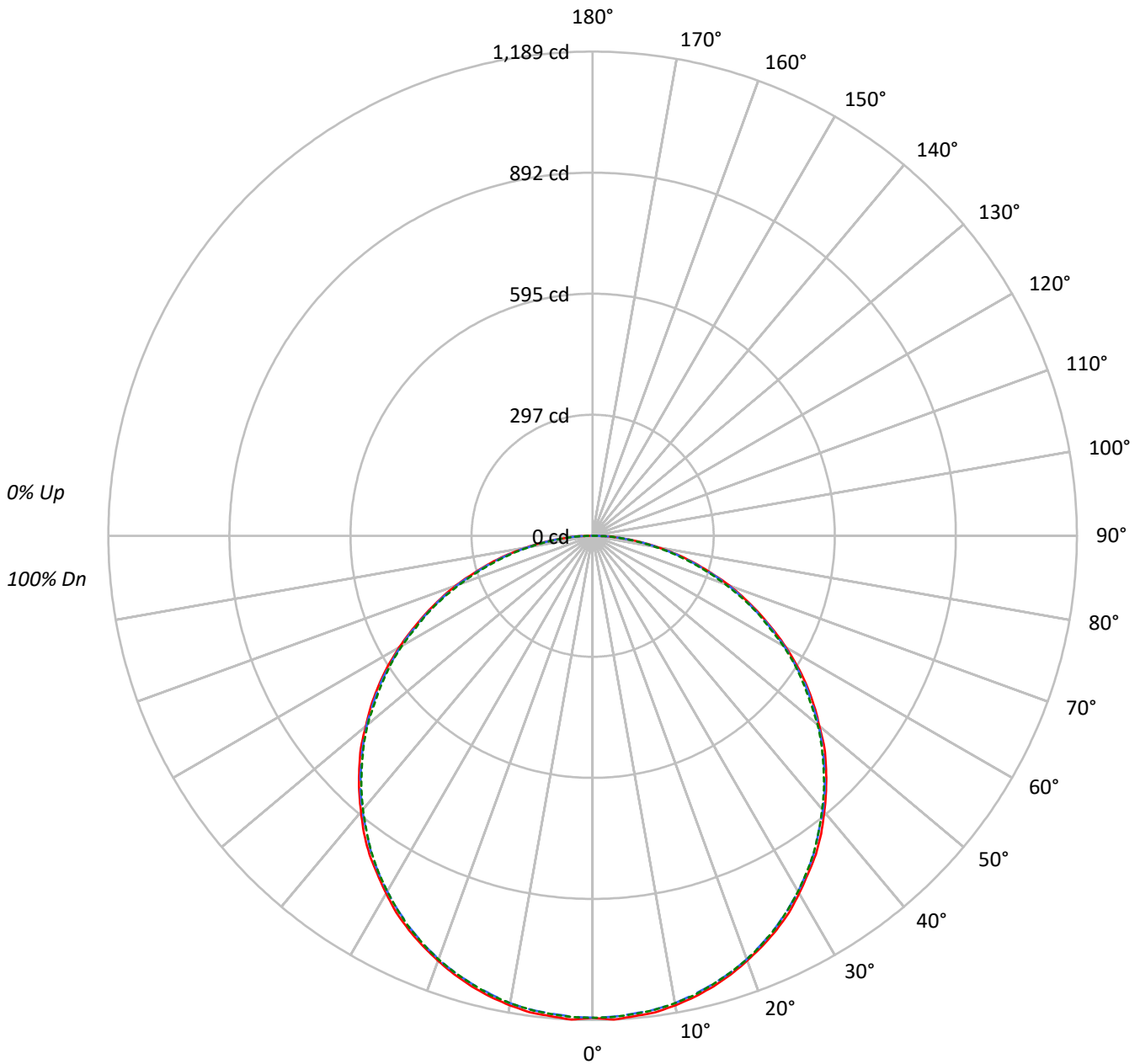
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3500.0 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	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°	1813	1813	1813
5°	1820	1811	1812
10°	1821	1812	1812
15°	1817	1808	1808
20°	1810	1804	1804
25°	1805	1795	1796
30°	1794	1783	1783
35°	1786	1773	1771
40°	1769	1758	1753
45°	1756	1742	1735
50°	1732	1725	1718
55°	1714	1703	1686
60°	1680	1665	1656
65°	1638	1617	1613
70°	1599	1577	1546
75°	1535	1504	1469
80°	1446	1409	1371
85°	1306	1278	1249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	3.2
10°-20°	322.1	9.2
20°-30°	489.8	14.0
30°-40°	593.1	16.9
40°-50°	620.7	17.7
50°-60°	568.2	16.2
60°-70°	442.6	12.6
70°-80°	268.4	7.7
80°-90°	83.0	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°	924.1	26.4
0°-40°	1517.1	43.3
0°-60°	2706.0	77.3
0°-90°	3500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1184	1180	1178	1175	1179	113
15°	1146	1142	1140	1139	1140	323
25°	1068	1064	1062	1060	1063	492
35°	955	949	948	944	947	597
45°	810	805	804	800	801	625
55°	642	639	638	633	631	573
65°	452	450	446	442	445	447
75°	259	258	254	249	248	274
85°	74	75	73	73	71	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183.5	1183.5	1183.5	1183.5	1183.5
2.5°	1189.3	1182.4	1181.9	1179.8	1182.9
5°	1184.0	1179.8	1177.6	1175.0	1178.7
7.5°	1180.3	1173.4	1173.4	1171.8	1173.9
10°	1170.7	1165.4	1165.4	1163.8	1165.4
12.5°	1159.6	1154.3	1153.2	1153.8	1155.3
15°	1145.8	1142.1	1140.0	1138.9	1140.5
17.5°	1129.4	1125.6	1124.6	1124.1	1124.6
20°	1110.3	1106.5	1106.5	1104.4	1107.1
22.5°	1090.1	1086.9	1085.3	1083.7	1085.9
25°	1067.8	1064.1	1062.0	1060.4	1063.0
27.5°	1043.4	1038.6	1036.0	1036.0	1036.5
30°	1014.2	1010.0	1008.4	1006.8	1008.4
32.5°	984.0	982.4	979.8	977.1	978.7
35°	955.4	949.0	948.5	944.2	947.4
37.5°	921.9	914.5	912.4	911.3	912.4
40°	884.8	881.1	879.5	876.3	876.9
42.5°	848.7	846.1	843.4	839.7	840.8
45°	810.5	805.2	804.2	800.5	801.0
47.5°	772.4	768.1	764.9	762.8	762.3
50°	726.7	725.7	724.1	718.8	720.9
52.5°	685.4	682.7	679.5	676.9	674.2
55°	641.9	638.7	637.6	632.8	631.3
57.5°	596.2	593.1	589.9	587.2	587.8
60°	548.5	546.9	543.7	539.0	540.5
62.5°	499.2	500.2	494.9	491.2	489.1
65°	452.0	450.4	446.1	441.9	445.1
67.5°	404.2	402.6	400.0	395.2	395.2
70°	357.0	354.3	352.2	345.9	345.3
72.5°	306.1	306.1	301.8	298.1	295.5
75°	259.4	257.8	254.1	248.8	248.3
77.5°	212.7	208.5	206.9	202.6	202.1
80°	163.9	165.5	159.7	158.1	155.4
82.5°	118.8	118.3	117.2	113.5	111.9
85°	74.3	75.3	72.7	72.7	71.1
87.5°	35.5	35.0	35.0	35.5	36.1
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)