

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: P856458

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

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856458
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-HIGH-3500K
Description: 2x4 Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 3500K settings
Light Source: -
Ballast/Driver: -

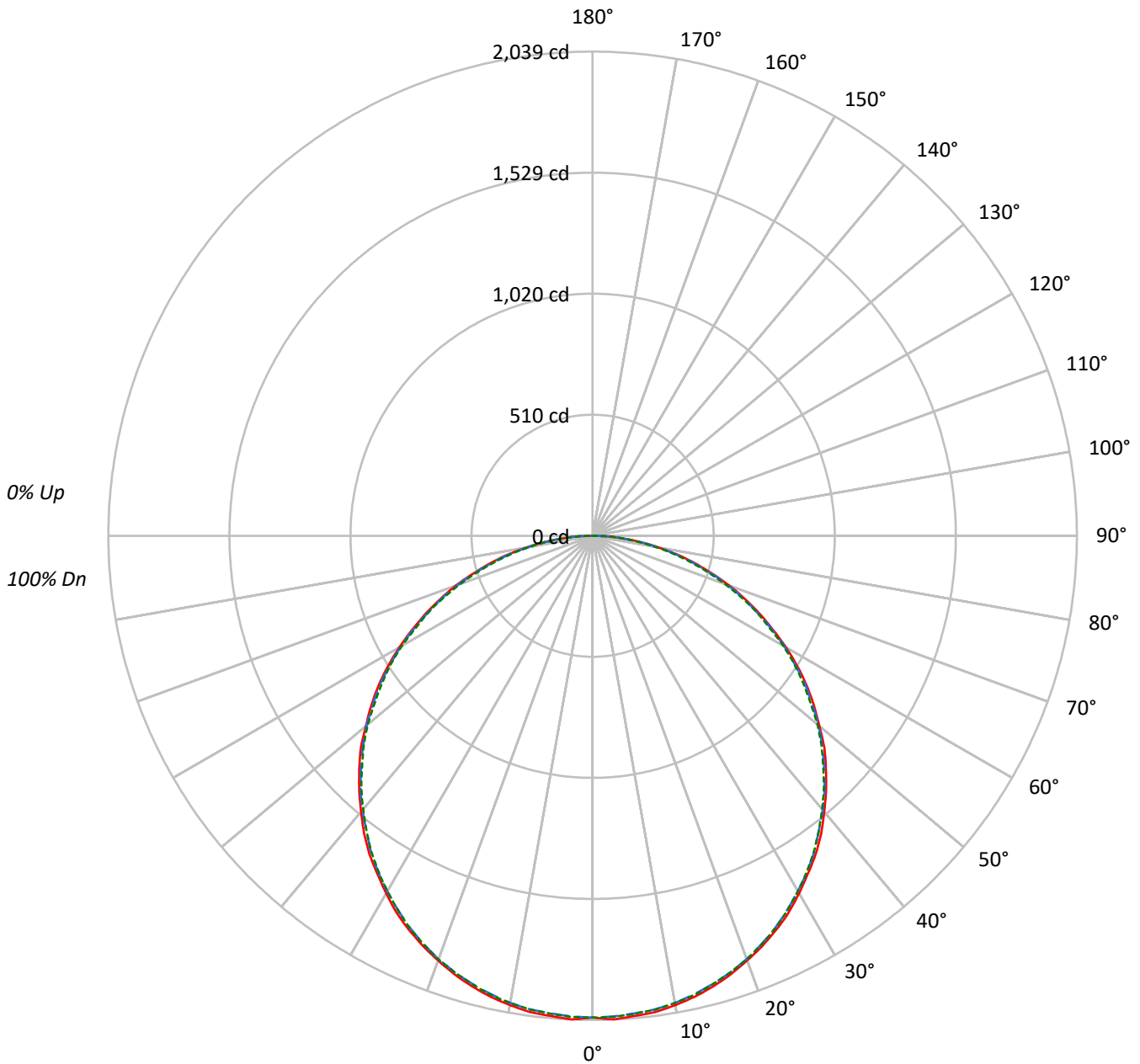
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6000.0 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): 48
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°	3107	3107	3107
5°	3121	3104	3107
10°	3121	3107	3107
15°	3115	3099	3100
20°	3102	3092	3093
25°	3094	3077	3080
30°	3075	3057	3057
35°	3062	3040	3037
40°	3033	3014	3005
45°	3010	2986	2974
50°	2968	2958	2945
55°	2938	2919	2890
60°	2880	2855	2838
65°	2808	2772	2765
70°	2741	2704	2651
75°	2632	2578	2519
80°	2478	2414	2350
85°	2237	2190	2142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	3.2
10°-20°	552.2	9.2
20°-30°	839.7	14.0
30°-40°	1016.7	16.9
40°-50°	1064.1	17.7
50°-60°	974.0	16.2
60°-70°	758.7	12.6
70°-80°	460.1	7.7
80°-90°	142.3	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°	1584.1	26.4
0°-40°	2600.8	43.3
0°-60°	4638.9	77.3
0°-90°	6000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2029	2029	2029	2029	2029	
5°	2030	2022	2019	2014	2021	193
15°	1964	1958	1954	1952	1955	554
25°	1831	1824	1821	1818	1822	844
35°	1638	1627	1626	1619	1624	1023
45°	1390	1380	1379	1372	1373	1072
55°	1100	1095	1093	1085	1082	982
65°	775	772	765	758	763	767
75°	445	442	436	426	426	470
85°	127	129	125	125	122	145
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2028.8	2028.8	2028.8	2028.8	2028.8
2.5°	2038.8	2027.0	2026.1	2022.4	2027.9
5°	2029.7	2022.4	2018.8	2014.2	2020.6
7.5°	2023.3	2011.5	2011.5	2008.8	2012.4
10°	2007.0	1997.9	1997.9	1995.1	1997.9
12.5°	1987.9	1978.8	1977.0	1977.9	1980.6
15°	1964.2	1957.9	1954.2	1952.4	1955.1
17.5°	1936.0	1929.7	1927.9	1926.9	1927.9
20°	1903.3	1896.9	1896.9	1893.3	1897.8
22.5°	1868.7	1863.3	1860.6	1857.8	1861.5
25°	1830.6	1824.2	1820.6	1817.8	1822.4
27.5°	1788.7	1780.5	1776.0	1776.0	1776.9
30°	1738.7	1731.4	1728.7	1726.0	1728.7
32.5°	1686.9	1684.1	1679.6	1675.1	1677.8
35°	1637.8	1626.9	1625.9	1618.7	1624.1
37.5°	1580.5	1567.7	1564.1	1562.3	1564.1
40°	1516.8	1510.5	1507.7	1502.3	1503.2
42.5°	1455.0	1450.4	1445.9	1439.5	1441.3
45°	1389.5	1380.4	1378.6	1372.2	1373.1
47.5°	1324.0	1316.8	1311.3	1307.7	1306.8
50°	1245.8	1244.0	1241.3	1232.2	1235.8
52.5°	1174.9	1170.4	1164.9	1160.4	1155.8
55°	1100.3	1094.9	1093.1	1084.9	1082.1
57.5°	1022.1	1016.7	1011.2	1006.7	1007.6
60°	940.3	937.6	932.1	923.9	926.6
62.5°	855.7	857.5	848.4	842.1	838.4
65°	774.8	772.1	764.8	757.5	763.0
67.5°	692.9	690.2	685.7	677.5	677.5
70°	612.0	607.5	603.8	592.9	592.0
72.5°	524.7	524.7	517.4	511.1	506.5
75°	444.7	442.0	435.6	426.5	425.6
77.5°	364.7	357.4	354.7	347.4	346.5
80°	281.0	283.7	273.7	271.0	266.4
82.5°	203.7	202.8	201.0	194.6	191.9
85°	127.3	129.1	124.6	124.6	121.9
87.5°	60.9	60.0	60.0	60.9	61.8
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)