

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: P568546

Luminaire Tested: **24CGTX-72-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-72-L935
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

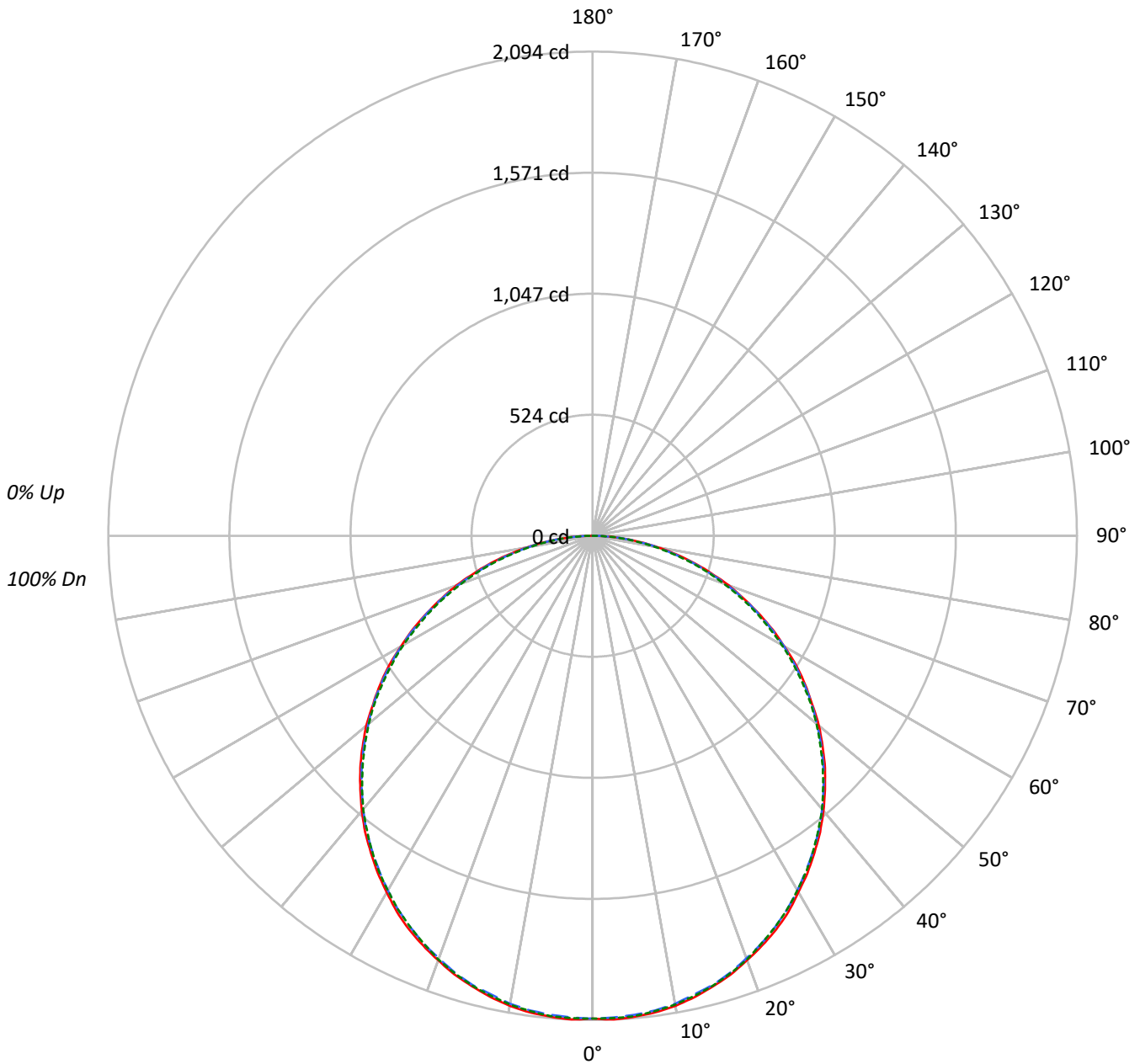
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6136.0 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.9
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					20					
RC	80					70					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	94	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	58								
4	82	70	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	45	39	50	44	39	37								
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	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	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2810	2810	2810
5°	2820	2808	2816
10°	2820	2808	2812
15°	2809	2800	2805
20°	2797	2784	2793
25°	2789	2771	2771
30°	2765	2751	2751
35°	2747	2732	2732
40°	2727	2711	2711
45°	2704	2687	2676
50°	2674	2649	2643
55°	2632	2618	2597
60°	2576	2568	2544
65°	2514	2505	2467
70°	2460	2413	2365
75°	2364	2302	2255
80°	2225	2179	2086
85°	2032	1985	1894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	3.2
10°-20°	567.4	9.2
20°-30°	861.0	14.0
30°-40°	1041.8	17.0
40°-50°	1088.3	17.7
50°-60°	995.5	16.2
60°-70°	774.9	12.6
70°-80°	467.0	7.6
80°-90°	142.3	2.3
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°	1626.2	26.5
0°-40°	2668.0	43.5
0°-60°	4751.8	77.4
0°-90°	6136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2088	2088	2088	2088	2088	
5°	2088	2082	2079	2079	2085	199
15°	2016	2010	2010	2007	2013	569
25°	1879	1870	1867	1864	1867	865
35°	1672	1666	1663	1663	1663	1047
45°	1421	1412	1412	1406	1406	1095
55°	1122	1119	1116	1107	1107	1002
65°	790	790	787	775	775	783
75°	455	449	443	434	434	479
85°	132	129	129	123	123	146
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2088.1	2088.1	2088.1	2088.1	2088.1
2.5°	2094.1	2088.1	2085.2	2085.2	2088.1
5°	2088.1	2082.2	2079.2	2079.2	2085.2
7.5°	2079.2	2070.2	2070.2	2067.2	2073.2
10°	2064.2	2055.2	2055.2	2052.2	2058.2
12.5°	2043.3	2034.3	2031.3	2031.3	2037.3
15°	2016.4	2010.4	2010.4	2007.4	2013.4
17.5°	1989.4	1980.5	1980.5	1977.5	1983.4
20°	1953.5	1947.5	1944.6	1944.6	1950.5
22.5°	1917.6	1911.6	1908.7	1908.7	1908.7
25°	1878.7	1869.8	1866.8	1863.8	1866.8
27.5°	1833.9	1821.9	1821.9	1818.9	1821.9
30°	1780.0	1774.0	1771.0	1768.0	1771.0
32.5°	1729.2	1720.2	1717.2	1720.2	1720.2
35°	1672.3	1666.3	1663.3	1663.3	1663.3
37.5°	1615.5	1606.5	1606.5	1603.5	1603.5
40°	1552.6	1546.7	1543.7	1543.7	1543.7
42.5°	1486.8	1480.9	1477.9	1474.9	1474.9
45°	1421.0	1412.0	1412.0	1406.1	1406.1
47.5°	1349.2	1343.2	1340.2	1334.3	1334.3
50°	1277.4	1271.4	1265.5	1265.5	1262.5
52.5°	1196.6	1196.6	1193.7	1187.7	1187.7
55°	1121.9	1118.9	1115.9	1106.9	1106.9
57.5°	1044.1	1041.1	1035.1	1026.1	1026.1
60°	957.3	957.3	954.3	942.4	945.4
62.5°	876.5	873.6	870.6	861.6	858.6
65°	789.8	789.8	786.8	774.8	774.8
67.5°	706.0	706.0	700.0	688.1	688.1
70°	625.2	616.3	613.3	604.3	601.3
72.5°	535.5	532.5	526.5	517.5	517.5
75°	454.7	448.7	442.8	433.8	433.8
77.5°	368.0	362.0	356.0	353.0	347.0
80°	287.2	284.2	281.2	272.2	269.2
82.5°	206.4	203.4	200.4	197.4	194.5
85°	131.6	128.6	128.6	122.7	122.7
87.5°	56.8	59.8	53.8	56.8	53.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)