

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: P568526

Luminaire Tested: **24CGTX-72-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568526
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-L930
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

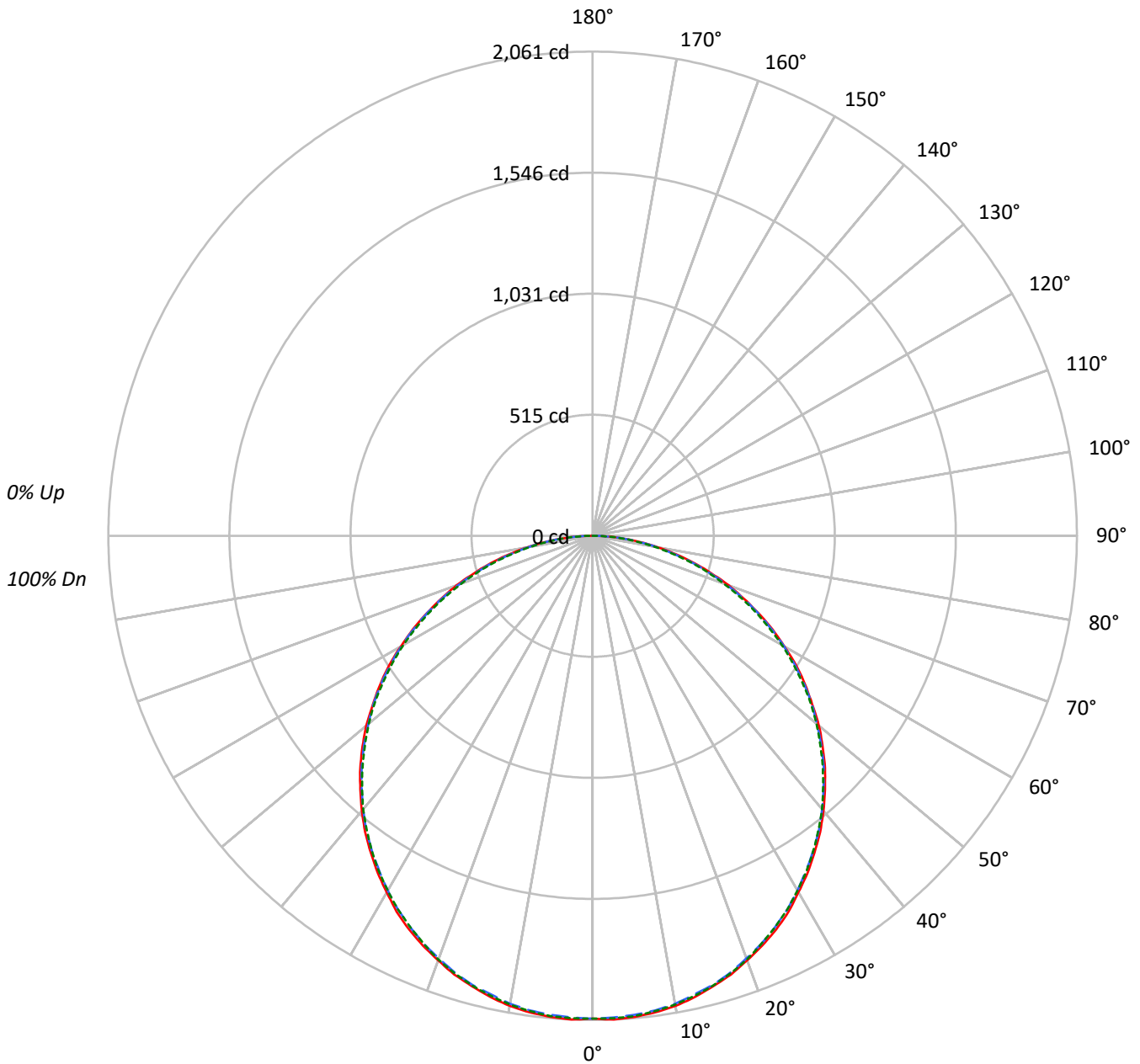
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6040.0 lumens
Efficiency: N/A
Efficacy: 99.2 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

TEST NUMBER: P568526
CATALOG NUMBER: 24CGTX-72-L930

Luminous Intensity Polar Plot





TEST NUMBER: P568526

CATALOG NUMBER: 24CGTX-72-L930

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°	2766	2766	2766
5°	2776	2764	2772
10°	2776	2764	2768
15°	2765	2757	2761
20°	2753	2741	2749
25°	2745	2728	2728
30°	2722	2708	2708
35°	2704	2689	2689
40°	2684	2669	2669
45°	2662	2645	2634
50°	2632	2608	2601
55°	2590	2577	2556
60°	2536	2528	2504
65°	2475	2466	2428
70°	2421	2375	2329
75°	2327	2266	2220
80°	2190	2145	2053
85°	2001	1954	1863



TEST NUMBER: P568526

CATALOG NUMBER: 24CGTX-72-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	3.2
10°-20°	558.5	9.2
20°-30°	847.5	14.0
30°-40°	1025.5	17.0
40°-50°	1071.3	17.7
50°-60°	979.9	16.2
60°-70°	762.7	12.6
70°-80°	459.7	7.6
80°-90°	140.1	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°	1600.8	26.5
0°-40°	2626.3	43.5
0°-60°	4677.5	77.4
0°-90°	6040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2056	2056	2056	2056	2056	
5°	2056	2050	2047	2047	2052	195
15°	1985	1979	1979	1976	1982	561
25°	1849	1840	1838	1835	1838	852
35°	1646	1640	1637	1637	1637	1030
45°	1399	1390	1390	1384	1384	1078
55°	1104	1101	1098	1090	1090	986
65°	777	777	774	763	763	771
75°	448	442	436	427	427	471
85°	130	127	127	121	121	144
90°	0	0	0	0	0	



TEST NUMBER: P568526

CATALOG NUMBER: 24CGTX-72-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2055.5	2055.5	2055.5	2055.5	2055.5
2.5°	2061.4	2055.5	2052.5	2052.5	2055.5
5°	2055.5	2049.6	2046.6	2046.6	2052.5
7.5°	2046.6	2037.8	2037.8	2034.9	2040.8
10°	2031.9	2023.1	2023.1	2020.1	2026.0
12.5°	2011.3	2002.5	1999.5	1999.5	2005.4
15°	1984.8	1978.9	1978.9	1976.0	1981.9
17.5°	1958.3	1949.5	1949.5	1946.5	1952.4
20°	1923.0	1917.1	1914.1	1914.1	1920.0
22.5°	1887.6	1881.7	1878.8	1878.8	1878.8
25°	1849.3	1840.5	1837.6	1834.6	1837.6
27.5°	1805.2	1793.4	1793.4	1790.4	1793.4
30°	1752.2	1746.3	1743.3	1740.4	1743.3
32.5°	1702.1	1693.3	1690.3	1693.3	1693.3
35°	1646.2	1640.3	1637.3	1637.3	1637.3
37.5°	1590.2	1581.4	1581.4	1578.4	1578.4
40°	1528.4	1522.5	1519.5	1519.5	1519.5
42.5°	1463.6	1457.7	1454.7	1451.8	1451.8
45°	1398.8	1390.0	1390.0	1384.1	1384.1
47.5°	1328.1	1322.2	1319.3	1313.4	1313.4
50°	1257.4	1251.5	1245.7	1245.7	1242.7
52.5°	1177.9	1177.9	1175.0	1169.1	1169.1
55°	1104.3	1101.4	1098.4	1089.6	1089.6
57.5°	1027.7	1024.8	1018.9	1010.1	1010.1
60°	942.3	942.3	939.4	927.6	930.6
62.5°	862.8	859.9	856.9	848.1	845.2
65°	777.4	777.4	774.5	762.7	762.7
67.5°	695.0	695.0	689.1	677.3	677.3
70°	615.5	606.6	603.7	594.9	591.9
72.5°	527.1	524.2	518.3	509.5	509.5
75°	447.6	441.7	435.8	427.0	427.0
77.5°	362.2	356.3	350.4	347.5	341.6
80°	282.7	279.8	276.8	268.0	265.0
82.5°	203.2	200.2	197.3	194.4	191.4
85°	129.6	126.6	126.6	120.7	120.7
87.5°	56.0	58.9	53.0	56.0	53.0
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)