

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: P568586

Luminaire Tested: **24CGTX-72-L950**

Issue Date: 9/19/2022

**Test Information**

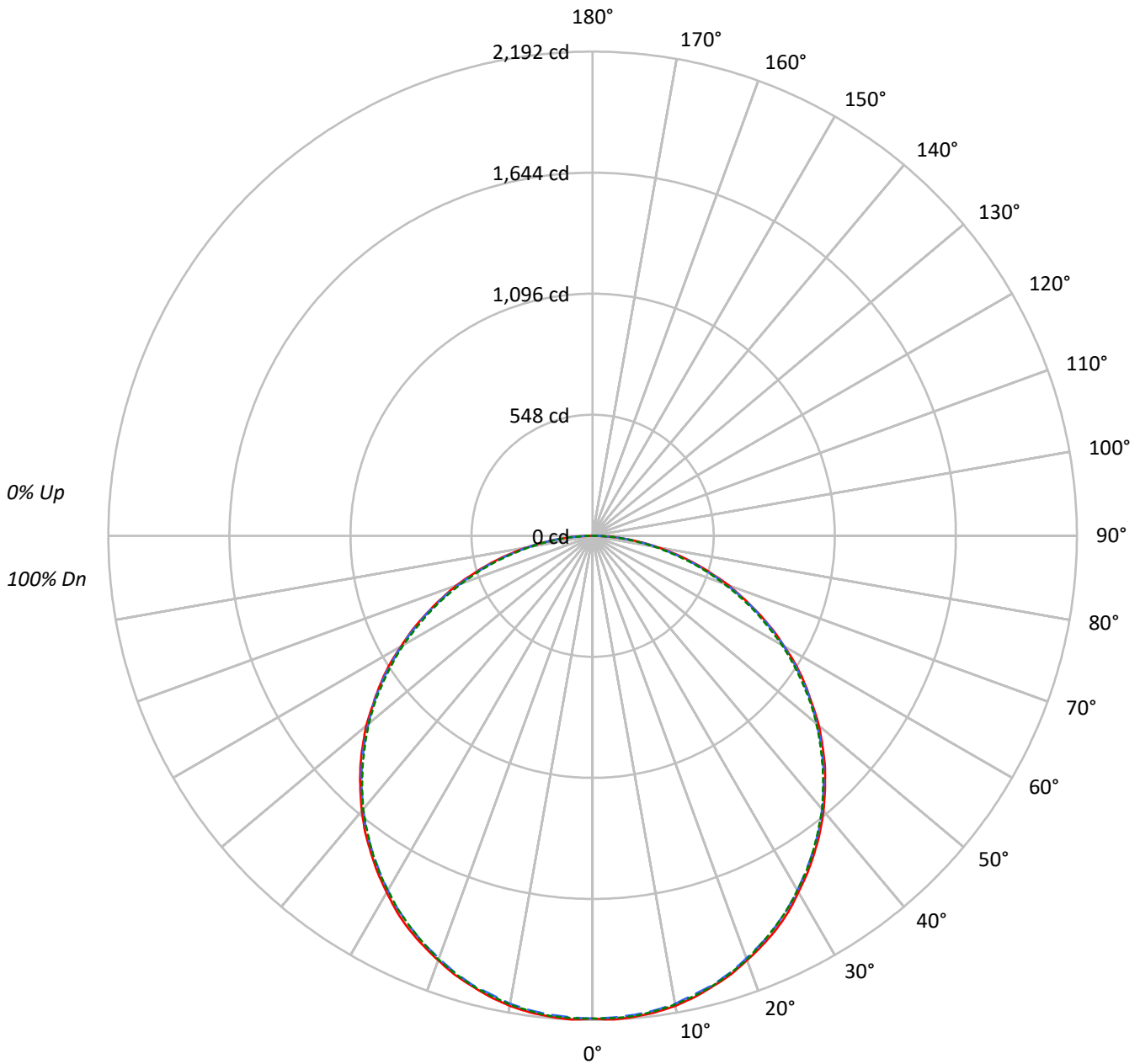
Test Method: LM-79-08  
Report Number: P568586  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-72-L950  
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6423.0 lumens  
Efficiency: N/A  
Efficacy: 105.5 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<sub>in</sub>): 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	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	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2941	2941	2941
5°	2952	2940	2948
10°	2952	2939	2944
15°	2940	2931	2936
20°	2928	2915	2924
25°	2920	2901	2901
30°	2895	2880	2880
35°	2875	2860	2860
40°	2855	2838	2838
45°	2830	2813	2801
50°	2799	2773	2766
55°	2755	2740	2718
60°	2697	2688	2663
65°	2632	2622	2582
70°	2575	2526	2476
75°	2475	2410	2361
80°	2329	2281	2183
85°	2127	2079	1982



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.1	3.2
10°-20°	593.9	9.2
20°-30°	901.3	14.0
30°-40°	1090.5	17.0
40°-50°	1139.2	17.7
50°-60°	1042.1	16.2
60°-70°	811.1	12.6
70°-80°	488.9	7.6
80°-90°	149.0	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°	1702.3	26.5
0°-40°	2792.8	43.5
0°-60°	4974.1	77.4
0°-90°	6423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6423.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2186	2186	2186	2186	2186	
5°	2186	2180	2176	2176	2183	208
15°	2111	2104	2104	2101	2108	596
25°	1967	1957	1954	1951	1954	906
35°	1750	1744	1741	1741	1741	1096
45°	1488	1478	1478	1472	1472	1147
55°	1174	1171	1168	1159	1159	1049
65°	827	827	824	811	811	820
75°	476	470	464	454	454	501
85°	138	135	135	128	128	153
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2185.8	2185.8	2185.8	2185.8	2185.8
2.5°	2192.1	2185.8	2182.7	2182.7	2185.8
5°	2185.8	2179.6	2176.4	2176.4	2182.7
7.5°	2176.4	2167.0	2167.0	2163.9	2170.2
10°	2160.8	2151.4	2151.4	2148.2	2154.5
12.5°	2138.8	2129.5	2126.3	2126.3	2132.6
15°	2110.7	2104.4	2104.4	2101.3	2107.5
17.5°	2082.5	2073.1	2073.1	2070.0	2076.2
20°	2044.9	2038.6	2035.5	2035.5	2041.8
22.5°	2007.3	2001.1	1997.9	1997.9	1997.9
25°	1966.6	1957.2	1954.1	1951.0	1954.1
27.5°	1919.6	1907.1	1907.1	1904.0	1907.1
30°	1863.3	1857.0	1853.9	1850.7	1853.9
32.5°	1810.0	1800.6	1797.5	1800.6	1800.6
35°	1750.5	1744.3	1741.1	1741.1	1741.1
37.5°	1691.0	1681.6	1681.6	1678.5	1678.5
40°	1625.3	1619.0	1615.9	1615.9	1615.9
42.5°	1556.4	1550.1	1547.0	1543.9	1543.9
45°	1487.5	1478.1	1478.1	1471.8	1471.8
47.5°	1412.3	1406.1	1402.9	1396.7	1396.7
50°	1337.2	1330.9	1324.6	1324.6	1321.5
52.5°	1252.6	1252.6	1249.5	1243.2	1243.2
55°	1174.3	1171.2	1168.1	1158.7	1158.7
57.5°	1092.9	1089.8	1083.5	1074.1	1074.1
60°	1002.1	1002.1	999.0	986.4	989.6
62.5°	917.5	914.4	911.3	901.9	898.8
65°	826.7	826.7	823.6	811.1	811.1
67.5°	739.0	739.0	732.8	720.3	720.3
70°	654.5	645.1	642.0	632.6	629.4
72.5°	560.5	557.4	551.2	541.8	541.8
75°	476.0	469.7	463.5	454.1	454.1
77.5°	385.2	378.9	372.7	369.5	363.3
80°	300.6	297.5	294.4	285.0	281.8
82.5°	216.1	212.9	209.8	206.7	203.6
85°	137.8	134.7	134.7	128.4	128.4
87.5°	59.5	62.6	56.4	59.5	56.4
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)