

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: P568566

Luminaire Tested: **24CGTX-72-L940**

Issue Date: 9/19/2022

**Test Information**

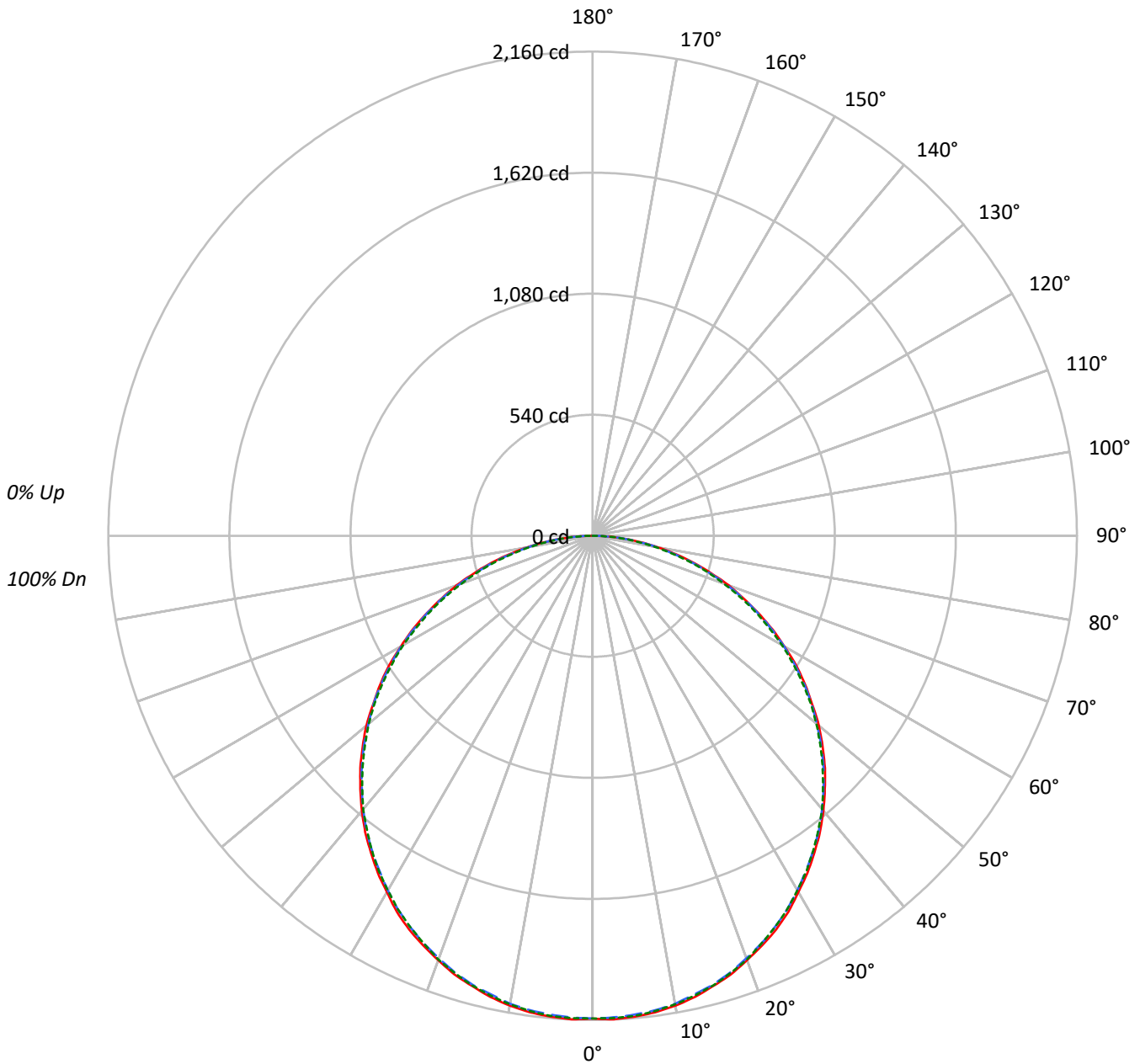
Test Method: LM-79-08  
Report Number: P568566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-72-L940  
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6328.0 lumens  
Efficiency: N/A  
Efficacy: 103.9 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	24																			

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

	0°	45°	90°
0°	2898	2898	2898
5°	2909	2896	2904
10°	2908	2896	2900
15°	2897	2888	2892
20°	2885	2871	2880
25°	2876	2858	2858
30°	2852	2838	2838
35°	2833	2818	2818
40°	2812	2796	2796
45°	2789	2771	2759
50°	2758	2732	2725
55°	2714	2700	2678
60°	2657	2648	2623
65°	2593	2583	2544
70°	2537	2488	2439
75°	2438	2374	2326
80°	2295	2247	2152
85°	2096	2049	1953



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.1	3.2
10°-20°	585.1	9.2
20°-30°	887.9	14.0
30°-40°	1074.4	17.0
40°-50°	1122.4	17.7
50°-60°	1026.7	16.2
60°-70°	799.1	12.6
70°-80°	481.6	7.6
80°-90°	146.8	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°	1677.1	26.5
0°-40°	2751.5	43.5
0°-60°	4900.5	77.4
0°-90°	6328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2154	2154	2154	2154	2154	
5°	2154	2147	2144	2144	2150	205
15°	2079	2073	2073	2070	2076	587
25°	1938	1928	1925	1922	1925	892
35°	1725	1718	1715	1715	1715	1080
45°	1466	1456	1456	1450	1450	1130
55°	1157	1154	1151	1142	1142	1033
65°	814	814	811	799	799	807
75°	469	463	457	447	447	494
85°	136	133	133	126	126	151
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2153.5	2153.5	2153.5	2153.5	2153.5
2.5°	2159.7	2153.5	2150.4	2150.4	2153.5
5°	2153.5	2147.3	2144.2	2144.2	2150.4
7.5°	2144.2	2135.0	2135.0	2131.9	2138.1
10°	2128.8	2119.6	2119.6	2116.5	2122.6
12.5°	2107.2	2098.0	2094.9	2094.9	2101.0
15°	2079.4	2073.3	2073.3	2070.2	2076.4
17.5°	2051.7	2042.4	2042.4	2039.3	2045.5
20°	2014.7	2008.5	2005.4	2005.4	2011.6
22.5°	1977.6	1971.5	1968.4	1968.4	1968.4
25°	1937.5	1928.3	1925.2	1922.1	1925.2
27.5°	1891.2	1878.9	1878.9	1875.8	1878.9
30°	1835.7	1829.5	1826.5	1823.4	1826.5
32.5°	1783.3	1774.0	1770.9	1774.0	1774.0
35°	1724.6	1718.5	1715.4	1715.4	1715.4
37.5°	1666.0	1656.8	1656.8	1653.7	1653.7
40°	1601.2	1595.1	1592.0	1592.0	1592.0
42.5°	1533.4	1527.2	1524.1	1521.0	1521.0
45°	1465.5	1456.2	1456.2	1450.1	1450.1
47.5°	1391.4	1385.3	1382.2	1376.0	1376.0
50°	1317.4	1311.2	1305.1	1305.1	1302.0
52.5°	1234.1	1234.1	1231.0	1224.8	1224.8
55°	1157.0	1153.9	1150.8	1141.5	1141.5
57.5°	1076.7	1073.7	1067.5	1058.2	1058.2
60°	987.3	987.3	984.2	971.8	974.9
62.5°	904.0	900.9	897.8	888.5	885.5
65°	814.5	814.5	811.4	799.1	799.1
67.5°	728.1	728.1	721.9	709.6	709.6
70°	644.8	635.6	632.5	623.2	620.1
72.5°	552.3	549.2	543.0	533.7	533.7
75°	469.0	462.8	456.6	447.4	447.4
77.5°	379.5	373.3	367.1	364.1	357.9
80°	296.2	293.1	290.0	280.8	277.7
82.5°	212.9	209.8	206.7	203.6	200.5
85°	135.8	132.7	132.7	126.5	126.5
87.5°	58.6	61.7	55.5	58.6	55.5
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)