

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: P568556

Luminaire Tested: **24CGTX-72-L840**

Issue Date: 9/19/2022

**Test Information**

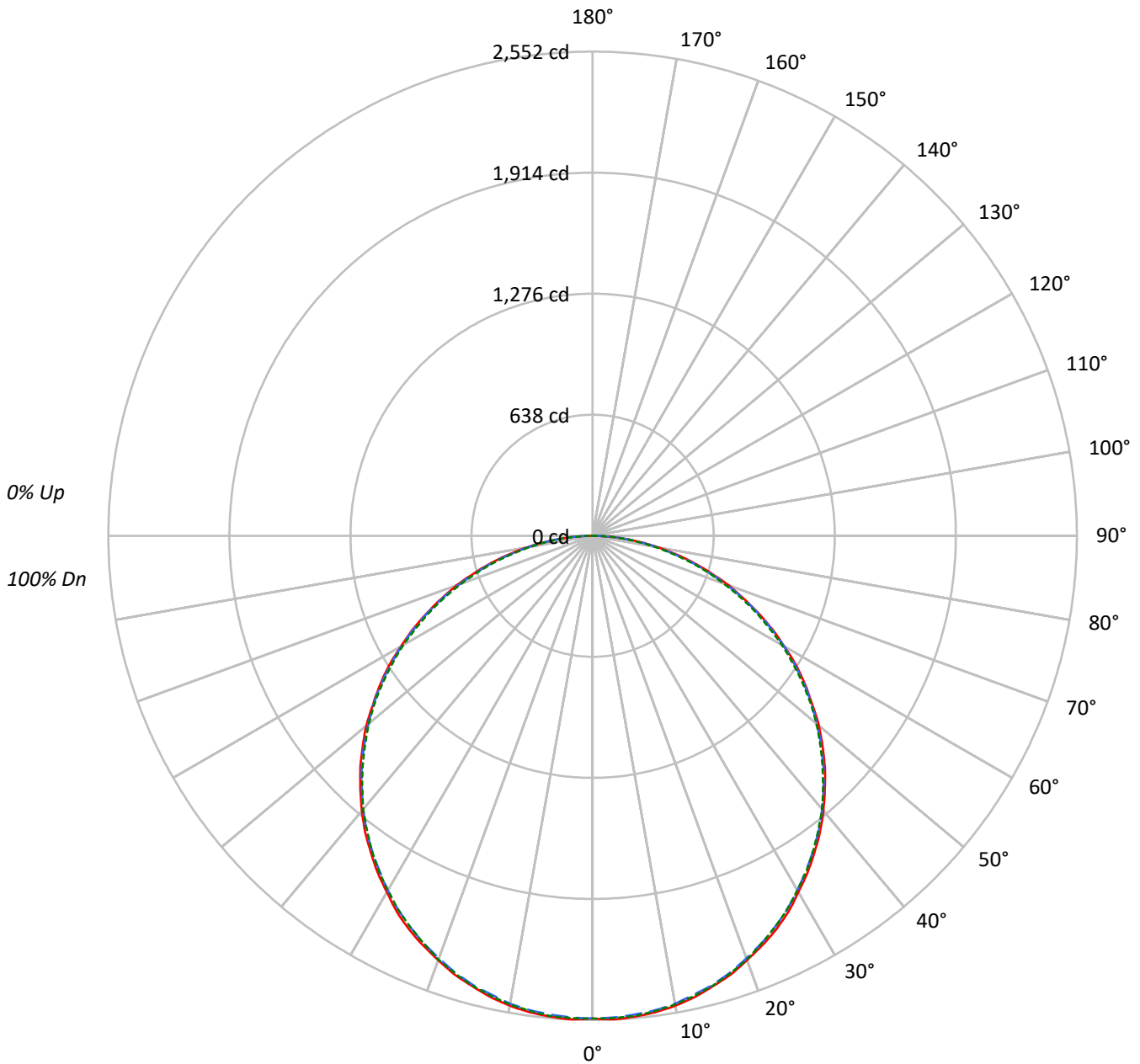
Test Method: LM-79-08  
Report Number: P568556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-72-L840  
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND  
4000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7477.0 lumens  
Efficiency: N/A  
Efficacy: 122.8 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<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					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°	3424	3424	3424
5°	3437	3422	3432
10°	3437	3422	3427
15°	3422	3412	3417
20°	3408	3393	3403
25°	3399	3377	3377
30°	3370	3353	3353
35°	3347	3329	3329
40°	3323	3304	3304
45°	3295	3274	3260
50°	3258	3228	3220
55°	3207	3190	3164
60°	3139	3129	3100
65°	3064	3052	3006
70°	2997	2940	2882
75°	2881	2805	2748
80°	2712	2655	2542
85°	2476	2421	2308



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.1	3.2
10°-20°	691.3	9.2
20°-30°	1049.2	14.0
30°-40°	1269.5	17.0
40°-50°	1326.1	17.7
50°-60°	1213.1	16.2
60°-70°	944.2	12.6
70°-80°	569.1	7.6
80°-90°	173.4	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°	1981.6	26.5
0°-40°	3251.1	43.5
0°-60°	5790.3	77.4
0°-90°	7477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7477.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2544	2544	2544	2544	2544	
5°	2544	2537	2534	2534	2541	242
15°	2457	2450	2450	2446	2453	694
25°	2289	2278	2275	2271	2275	1054
35°	2038	2030	2027	2027	2027	1276
45°	1732	1721	1721	1713	1713	1335
55°	1367	1363	1360	1349	1349	1221
65°	962	962	959	944	944	954
75°	554	547	540	529	529	583
85°	160	157	157	150	150	179
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2544.5	2544.5	2544.5	2544.5	2544.5
2.5°	2551.8	2544.5	2540.9	2540.9	2544.5
5°	2544.5	2537.2	2533.6	2533.6	2540.9
7.5°	2533.6	2522.6	2522.6	2519.0	2526.3
10°	2515.3	2504.4	2504.4	2500.8	2508.1
12.5°	2489.8	2478.9	2475.2	2475.2	2482.5
15°	2457.0	2449.7	2449.7	2446.1	2453.4
17.5°	2424.2	2413.3	2413.3	2409.6	2416.9
20°	2380.5	2373.2	2369.5	2369.5	2376.8
22.5°	2336.7	2329.4	2325.8	2325.8	2325.8
25°	2289.3	2278.4	2274.7	2271.1	2274.7
27.5°	2234.6	2220.1	2220.1	2216.4	2220.1
30°	2169.0	2161.7	2158.1	2154.4	2158.1
32.5°	2107.1	2096.1	2092.5	2096.1	2096.1
35°	2037.8	2030.5	2026.9	2026.9	2026.9
37.5°	1968.5	1957.6	1957.6	1953.9	1953.9
40°	1892.0	1884.7	1881.0	1881.0	1881.0
42.5°	1811.8	1804.5	1800.8	1797.2	1797.2
45°	1731.6	1720.6	1720.6	1713.3	1713.3
47.5°	1644.1	1636.8	1633.2	1625.9	1625.9
50°	1556.6	1549.3	1542.0	1542.0	1538.4
52.5°	1458.2	1458.2	1454.5	1447.2	1447.2
55°	1367.0	1363.4	1359.7	1348.8	1348.8
57.5°	1272.3	1268.6	1261.3	1250.4	1250.4
60°	1166.5	1166.5	1162.9	1148.3	1152.0
62.5°	1068.1	1064.5	1060.8	1049.9	1046.2
65°	962.4	962.4	958.7	944.2	944.2
67.5°	860.3	860.3	853.0	838.4	838.4
70°	761.9	751.0	747.3	736.4	732.7
72.5°	652.5	648.9	641.6	630.7	630.7
75°	554.1	546.8	539.5	528.6	528.6
77.5°	448.4	441.1	433.8	430.2	422.9
80°	350.0	346.3	342.7	331.7	328.1
82.5°	251.5	247.9	244.2	240.6	237.0
85°	160.4	156.8	156.8	149.5	149.5
87.5°	69.3	72.9	65.6	69.3	65.6
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)