

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: P568428

Luminaire Tested: **24CGTX-72HE-L830**

Issue Date: 9/19/2022

**Test Information**

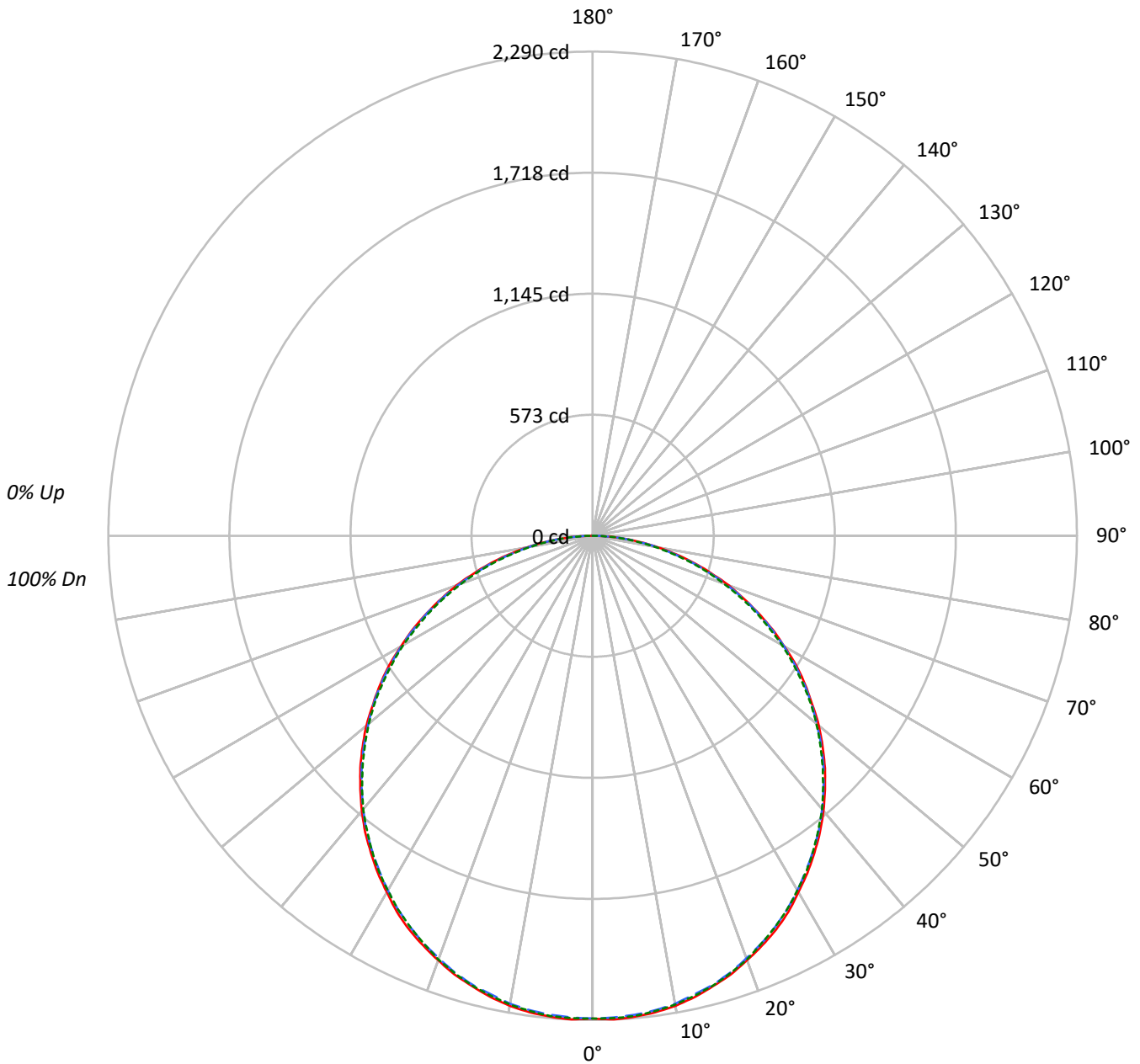
Test Method: LM-79-08  
Report Number: P568428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-72HE-L830  
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6710.0 lumens  
Efficiency: N/A  
Efficacy: 116.5 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): 57.6  
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°	3072	3072	3072
5°	3084	3071	3080
10°	3084	3071	3075
15°	3071	3062	3067
20°	3059	3045	3054
25°	3050	3031	3031
30°	3024	3009	3009
35°	3004	2988	2988
40°	2982	2965	2965
45°	2957	2938	2926
50°	2924	2897	2890
55°	2878	2863	2839
60°	2817	2808	2782
65°	2750	2739	2698
70°	2690	2638	2587
75°	2585	2517	2466
80°	2434	2383	2281
85°	2221	2172	2070



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.4	3.2
10°-20°	620.4	9.2
20°-30°	941.5	14.0
30°-40°	1139.2	17.0
40°-50°	1190.1	17.7
50°-60°	1088.6	16.2
60°-70°	847.3	12.6
70°-80°	510.7	7.6
80°-90°	155.6	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°	1778.4	26.5
0°-40°	2917.6	43.5
0°-60°	5196.3	77.4
0°-90°	6710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6710.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2284	2277	2274	2274	2280	217
15°	2205	2198	2198	2195	2202	623
25°	2054	2045	2041	2038	2041	946
35°	1829	1822	1819	1819	1819	1145
45°	1554	1544	1544	1538	1538	1198
55°	1227	1224	1220	1210	1210	1096
65°	864	864	860	847	847	856
75°	497	491	484	474	474	523
85°	144	141	141	134	134	160
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2283.5	2283.5	2283.5	2283.5	2283.5
2.5°	2290.0	2283.5	2280.2	2280.2	2283.5
5°	2283.5	2276.9	2273.7	2273.7	2280.2
7.5°	2273.7	2263.9	2263.9	2260.6	2267.1
10°	2257.3	2247.5	2247.5	2244.2	2250.8
12.5°	2234.4	2224.6	2221.3	2221.3	2227.9
15°	2205.0	2198.4	2198.4	2195.2	2201.7
17.5°	2175.5	2165.7	2165.7	2162.4	2169.0
20°	2136.3	2129.7	2126.5	2126.5	2133.0
22.5°	2097.0	2090.5	2087.2	2087.2	2087.2
25°	2054.5	2044.7	2041.4	2038.1	2041.4
27.5°	2005.4	1992.3	1992.3	1989.1	1992.3
30°	1946.5	1940.0	1936.7	1933.4	1936.7
32.5°	1890.9	1881.1	1877.8	1881.1	1881.1
35°	1828.8	1822.2	1818.9	1818.9	1818.9
37.5°	1766.6	1756.8	1756.8	1753.5	1753.5
40°	1697.9	1691.4	1688.1	1688.1	1688.1
42.5°	1625.9	1619.4	1616.1	1612.8	1612.8
45°	1553.9	1544.1	1544.1	1537.6	1537.6
47.5°	1475.4	1468.9	1465.6	1459.1	1459.1
50°	1396.9	1390.4	1383.8	1383.8	1380.6
52.5°	1308.6	1308.6	1305.3	1298.8	1298.8
55°	1226.8	1223.5	1220.3	1210.4	1210.4
57.5°	1141.7	1138.5	1131.9	1122.1	1122.1
60°	1046.9	1046.9	1043.6	1030.5	1033.8
62.5°	958.5	955.3	952.0	942.2	938.9
65°	863.7	863.7	860.4	847.3	847.3
67.5°	772.1	772.1	765.5	752.4	752.4
70°	683.7	673.9	670.7	660.8	657.6
72.5°	585.6	582.3	575.8	566.0	566.0
75°	497.3	490.7	484.2	474.4	474.4
77.5°	402.4	395.8	389.3	386.0	379.5
80°	314.1	310.8	307.5	297.7	294.4
82.5°	225.7	222.5	219.2	215.9	212.6
85°	143.9	140.7	140.7	134.1	134.1
87.5°	62.2	65.4	58.9	62.2	58.9
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)