

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: P568453

Luminaire Tested: **24CGTX-100HE-L935**

Issue Date: 9/19/2022



**Test Information**

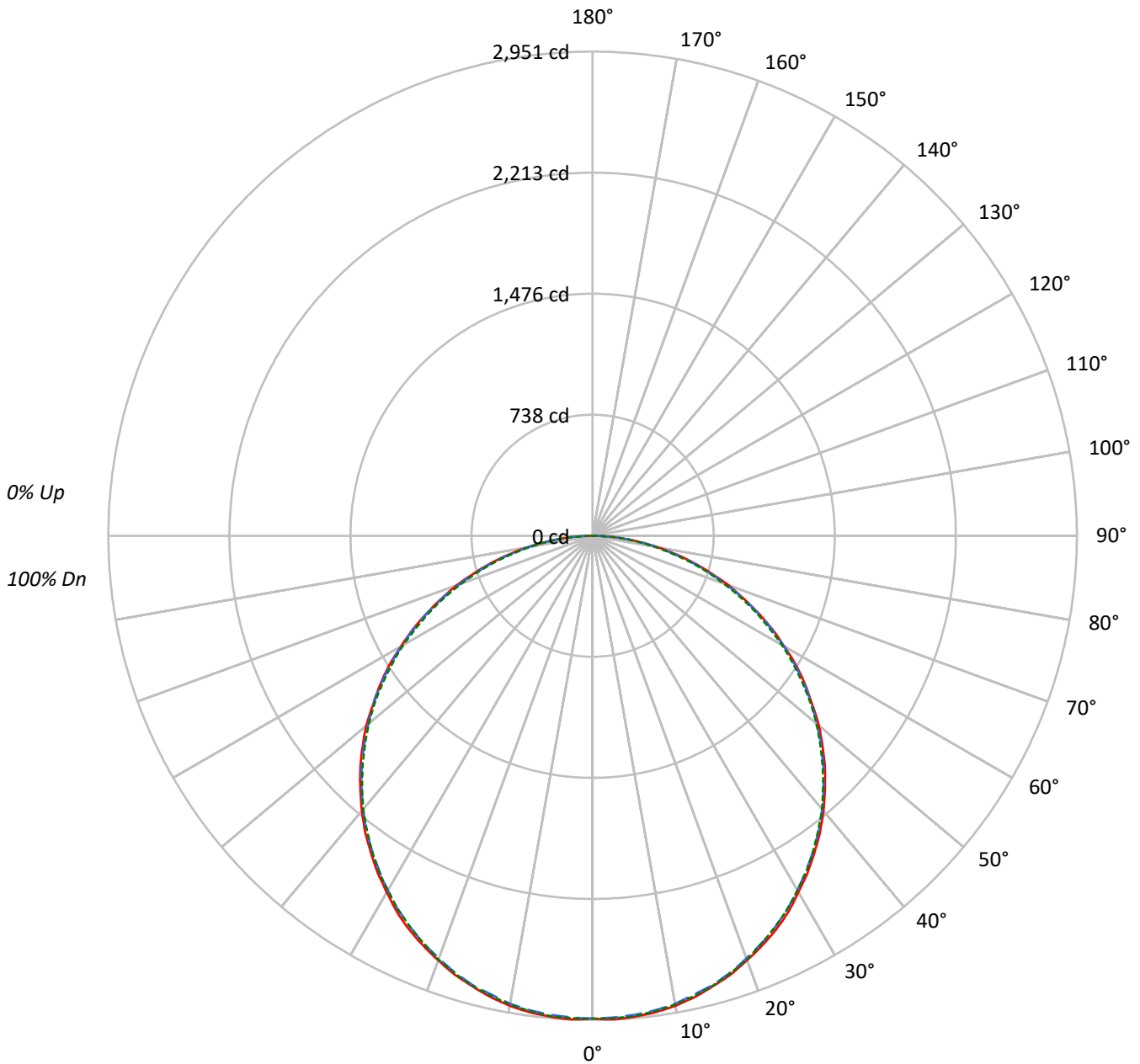
Test Method: LM-79-08  
Report Number: P568453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-100HE-L935  
Description: 2X4 1000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8647.0 lumens  
Efficiency: N/A  
Efficacy: 108.4 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): 79.8  
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°	3959	3959	3959
5°	3974	3957	3969
10°	3974	3957	3963
15°	3958	3946	3952
20°	3942	3924	3936
25°	3931	3905	3905
30°	3897	3878	3878
35°	3871	3850	3850
40°	3843	3821	3821
45°	3810	3786	3770
50°	3768	3733	3724
55°	3708	3689	3659
60°	3630	3619	3585
65°	3543	3530	3476
70°	3466	3400	3334
75°	3331	3243	3178
80°	3136	3071	2940
85°	2864	2799	2669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.9	3.2
10°-20°	799.5	9.2
20°-30°	1213.3	14.0
30°-40°	1468.1	17.0
40°-50°	1533.7	17.7
50°-60°	1402.9	16.2
60°-70°	1091.9	12.6
70°-80°	658.1	7.6
80°-90°	200.6	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°	2291.7	26.5
0°-40°	3759.8	43.5
0°-60°	6696.4	77.4
0°-90°	8647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8647.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2943	2943	2943	2943	2943	
5°	2943	2934	2930	2930	2938	280
15°	2842	2833	2833	2829	2837	802
25°	2648	2635	2631	2626	2631	1219
35°	2357	2348	2344	2344	2344	1475
45°	2002	1990	1990	1982	1982	1543
55°	1581	1577	1572	1560	1560	1412
65°	1113	1113	1109	1092	1092	1103
75°	641	632	624	611	611	674
85°	186	181	181	173	173	206
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2942.7	2942.7	2942.7	2942.7	2942.7
2.5°	2951.1	2942.7	2938.5	2938.5	2942.7
5°	2942.7	2934.2	2930.0	2930.0	2938.5
7.5°	2930.0	2917.4	2917.4	2913.2	2921.6
10°	2908.9	2896.3	2896.3	2892.1	2900.5
12.5°	2879.4	2866.8	2862.6	2862.6	2871.0
15°	2841.5	2833.1	2833.1	2828.8	2837.3
17.5°	2803.5	2790.9	2790.9	2786.7	2795.1
20°	2753.0	2744.5	2740.3	2740.3	2748.7
22.5°	2702.4	2693.9	2689.7	2689.7	2689.7
25°	2647.6	2634.9	2630.7	2626.5	2630.7
27.5°	2584.3	2567.5	2567.5	2563.2	2567.5
30°	2508.4	2500.0	2495.8	2491.6	2495.8
32.5°	2436.8	2424.1	2419.9	2424.1	2424.1
35°	2356.7	2348.2	2344.0	2344.0	2344.0
37.5°	2276.6	2263.9	2263.9	2259.7	2259.7
40°	2188.0	2179.6	2175.4	2175.4	2175.4
42.5°	2095.3	2086.9	2082.6	2078.4	2078.4
45°	2002.5	1989.9	1989.9	1981.5	1981.5
47.5°	1901.4	1892.9	1888.7	1880.3	1880.3
50°	1800.2	1791.7	1783.3	1783.3	1779.1
52.5°	1686.3	1686.3	1682.1	1673.7	1673.7
55°	1580.9	1576.7	1572.5	1559.9	1559.9
57.5°	1471.3	1467.1	1458.7	1446.0	1446.0
60°	1349.1	1349.1	1344.9	1328.0	1332.2
62.5°	1235.2	1231.0	1226.8	1214.2	1210.0
65°	1113.0	1113.0	1108.8	1091.9	1091.9
67.5°	994.9	994.9	986.5	969.6	969.6
70°	881.1	868.5	864.3	851.6	847.4
72.5°	754.6	750.4	742.0	729.3	729.3
75°	640.8	632.4	623.9	611.3	611.3
77.5°	518.6	510.1	501.7	497.5	489.0
80°	404.7	400.5	396.3	383.6	379.4
82.5°	290.9	286.7	282.5	278.2	274.0
85°	185.5	181.3	181.3	172.9	172.9
87.5°	80.1	84.3	75.9	80.1	75.9
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)