

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: P568431

Luminaire Tested: **24CGTX-100HE-L930**

Issue Date: 9/19/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568431  
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-L930  
Description: 2X4 1000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

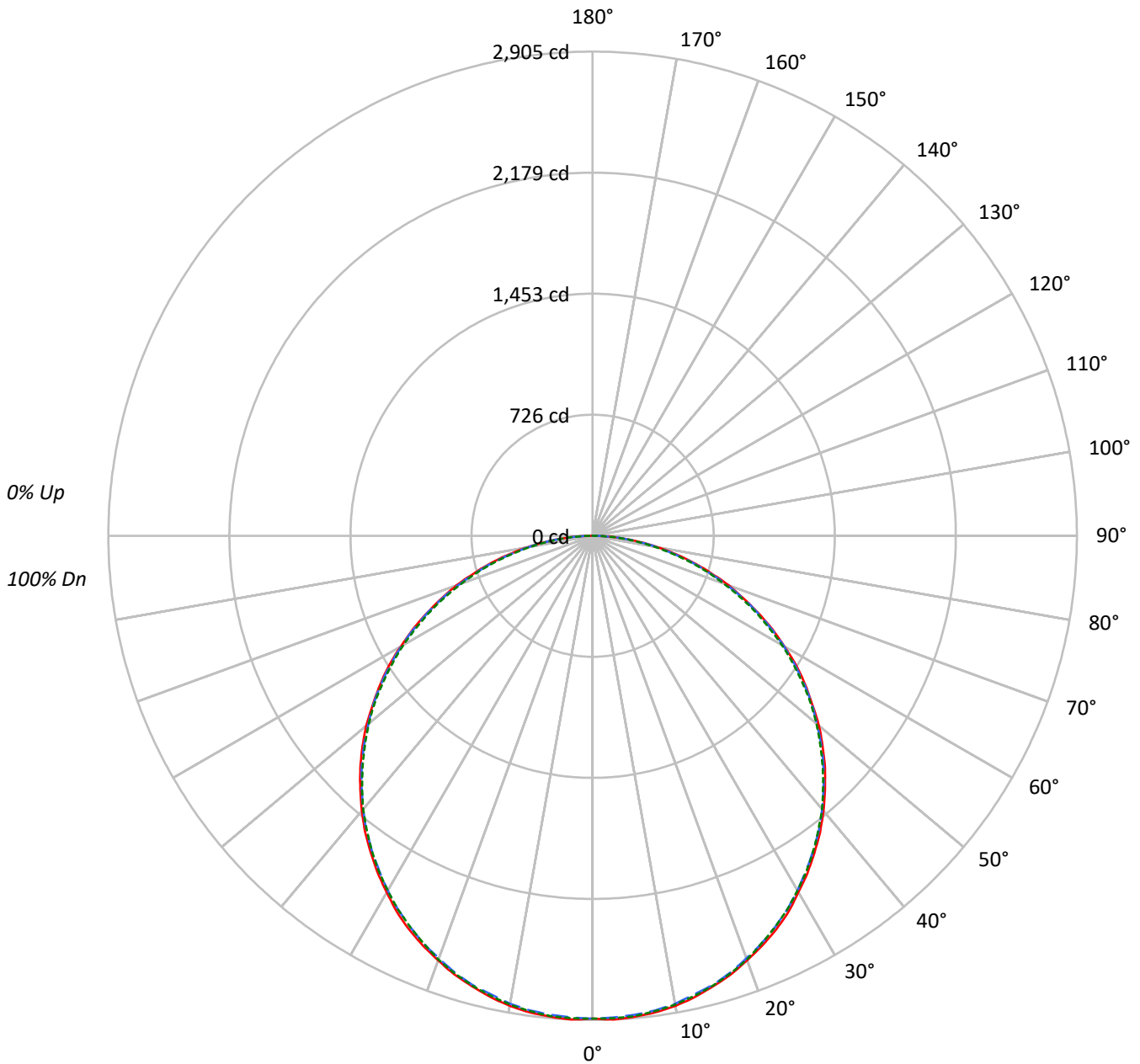
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8513.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 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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CATALOG NUMBER: 24CGTX-100HE-L930

### 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°	3898	3898	3898
5°	3913	3896	3907
10°	3913	3896	3901
15°	3897	3885	3891
20°	3881	3863	3875
25°	3870	3845	3845
30°	3837	3817	3817
35°	3811	3790	3790
40°	3783	3762	3762
45°	3751	3728	3712
50°	3710	3675	3666
55°	3651	3632	3602
60°	3574	3563	3529
65°	3488	3475	3422
70°	3413	3347	3282
75°	3280	3193	3129
80°	3088	3023	2894
85°	2819	2756	2628



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.5	3.2
10°-20°	787.1	9.2
20°-30°	1194.5	14.0
30°-40°	1445.3	17.0
40°-50°	1509.9	17.7
50°-60°	1381.2	16.2
60°-70°	1075.0	12.6
70°-80°	647.9	7.6
80°-90°	197.5	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°	2256.2	26.5
0°-40°	3701.5	43.5
0°-60°	6592.6	77.4
0°-90°	8513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8513.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2897	2889	2885	2885	2893	276
15°	2798	2789	2789	2785	2793	790
25°	2606	2594	2590	2586	2590	1200
35°	2320	2312	2308	2308	2308	1452
45°	1972	1959	1959	1951	1951	1520
55°	1556	1552	1548	1536	1536	1390
65°	1096	1096	1092	1075	1075	1086
75°	631	623	614	602	602	664
85°	183	178	178	170	170	203
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2897.1	2897.1	2897.1	2897.1	2897.1
2.5°	2905.4	2897.1	2892.9	2892.9	2897.1
5°	2897.1	2888.8	2884.6	2884.6	2892.9
7.5°	2884.6	2872.2	2872.2	2868.0	2876.3
10°	2863.9	2851.4	2851.4	2847.3	2855.6
12.5°	2834.8	2822.4	2818.2	2818.2	2826.5
15°	2797.5	2789.2	2789.2	2785.0	2793.3
17.5°	2760.1	2747.6	2747.6	2743.5	2751.8
20°	2710.3	2702.0	2697.8	2697.8	2706.1
22.5°	2660.5	2652.2	2648.0	2648.0	2648.0
25°	2606.5	2594.1	2589.9	2585.8	2589.9
27.5°	2544.3	2527.7	2527.7	2523.5	2527.7
30°	2469.6	2461.3	2457.1	2453.0	2457.1
32.5°	2399.0	2386.6	2382.4	2386.6	2386.6
35°	2320.1	2311.8	2307.7	2307.7	2307.7
37.5°	2241.3	2228.8	2228.8	2224.7	2224.7
40°	2154.1	2145.8	2141.7	2141.7	2141.7
42.5°	2062.8	2054.5	2050.4	2046.2	2046.2
45°	1971.5	1959.0	1959.0	1950.7	1950.7
47.5°	1871.9	1863.6	1859.4	1851.1	1851.1
50°	1772.3	1764.0	1755.7	1755.7	1751.5
52.5°	1660.2	1660.2	1656.1	1647.8	1647.8
55°	1556.4	1552.3	1548.1	1535.7	1535.7
57.5°	1448.5	1444.4	1436.1	1423.6	1423.6
60°	1328.2	1328.2	1324.0	1307.4	1311.6
62.5°	1216.1	1212.0	1207.8	1195.4	1191.2
65°	1095.7	1095.7	1091.6	1075.0	1075.0
67.5°	979.5	979.5	971.2	954.6	954.6
70°	867.5	855.0	850.9	838.4	834.3
72.5°	742.9	738.8	730.5	718.0	718.0
75°	630.9	622.6	614.3	601.8	601.8
77.5°	510.5	502.2	493.9	489.8	481.5
80°	398.5	394.3	390.1	377.7	373.5
82.5°	286.4	282.2	278.1	273.9	269.8
85°	182.6	178.5	178.5	170.2	170.2
87.5°	78.9	83.0	74.7	78.9	74.7
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)