

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: P568519

Luminaire Tested: **24CGTX-20-L930**

Issue Date: 9/19/2022



**Test Information**

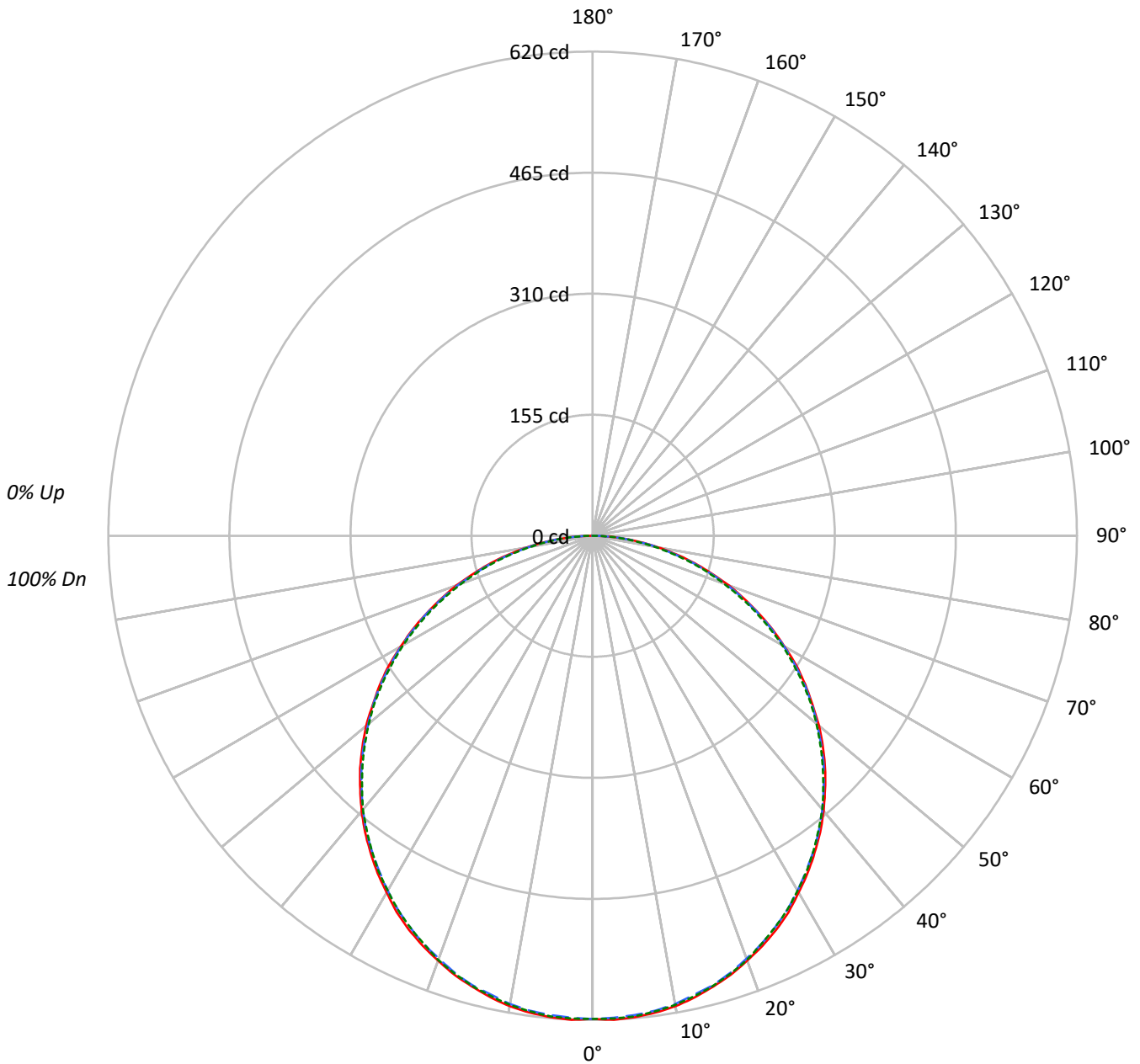
Test Method: LM-79-08  
Report Number: P568519  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-20-L930  
Description: 2X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1818.0 lumens  
Efficiency: N/A  
Efficacy: 108.9 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): 16.7  
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	23			

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

	0°	45°	90°
0°	832	832	832
5°	836	832	834
10°	836	832	833
15°	832	830	831
20°	829	825	827
25°	826	821	821
30°	819	815	815
35°	814	809	809
40°	808	803	803
45°	801	796	793
50°	792	785	783
55°	780	776	769
60°	763	761	754
65°	745	742	731
70°	729	715	701
75°	700	682	668
80°	659	645	618
85°	602	588	560



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	3.2
10°-20°	168.1	9.2
20°-30°	255.1	14.0
30°-40°	308.7	17.0
40°-50°	322.5	17.7
50°-60°	295.0	16.2
60°-70°	229.6	12.6
70°-80°	138.4	7.6
80°-90°	42.2	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°	481.8	26.5
0°-40°	790.5	43.5
0°-60°	1407.9	77.4
0°-90°	1818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	619	619	619	619	619	
5°	619	617	616	616	618	59
15°	597	596	596	595	596	169
25°	557	554	553	552	553	256
35°	496	494	493	493	493	310
45°	421	418	418	417	417	325
55°	332	332	331	328	328	297
65°	234	234	233	230	230	232
75°	135	133	131	128	128	142
85°	39	38	38	36	36	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	618.7	618.7	618.7	618.7	618.7
2.5°	620.5	618.7	617.8	617.8	618.7
5°	618.7	616.9	616.0	616.0	617.8
7.5°	616.0	613.4	613.4	612.5	614.3
10°	611.6	608.9	608.9	608.0	609.8
12.5°	605.4	602.7	601.8	601.8	603.6
15°	597.4	595.6	595.6	594.8	596.5
17.5°	589.4	586.8	586.8	585.9	587.7
20°	578.8	577.0	576.1	576.1	577.9
22.5°	568.2	566.4	565.5	565.5	565.5
25°	556.6	554.0	553.1	552.2	553.1
27.5°	543.3	539.8	539.8	538.9	539.8
30°	527.4	525.6	524.7	523.8	524.7
32.5°	512.3	509.7	508.8	509.7	509.7
35°	495.5	493.7	492.8	492.8	492.8
37.5°	478.6	476.0	476.0	475.1	475.1
40°	460.0	458.3	457.4	457.4	457.4
42.5°	440.5	438.8	437.9	437.0	437.0
45°	421.0	418.4	418.4	416.6	416.6
47.5°	399.8	398.0	397.1	395.3	395.3
50°	378.5	376.7	374.9	374.9	374.0
52.5°	354.5	354.5	353.7	351.9	351.9
55°	332.4	331.5	330.6	328.0	328.0
57.5°	309.3	308.5	306.7	304.0	304.0
60°	283.6	283.6	282.8	279.2	280.1
62.5°	259.7	258.8	257.9	255.3	254.4
65°	234.0	234.0	233.1	229.6	229.6
67.5°	209.2	209.2	207.4	203.9	203.9
70°	185.3	182.6	181.7	179.0	178.2
72.5°	158.7	157.8	156.0	153.3	153.3
75°	134.7	133.0	131.2	128.5	128.5
77.5°	109.0	107.3	105.5	104.6	102.8
80°	85.1	84.2	83.3	80.7	79.8
82.5°	61.2	60.3	59.4	58.5	57.6
85°	39.0	38.1	38.1	36.3	36.3
87.5°	16.8	17.7	16.0	16.8	16.0
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)