

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: P568559

Luminaire Tested: **24CGTX-20-L940**

Issue Date: 9/19/2022

**Test Information**

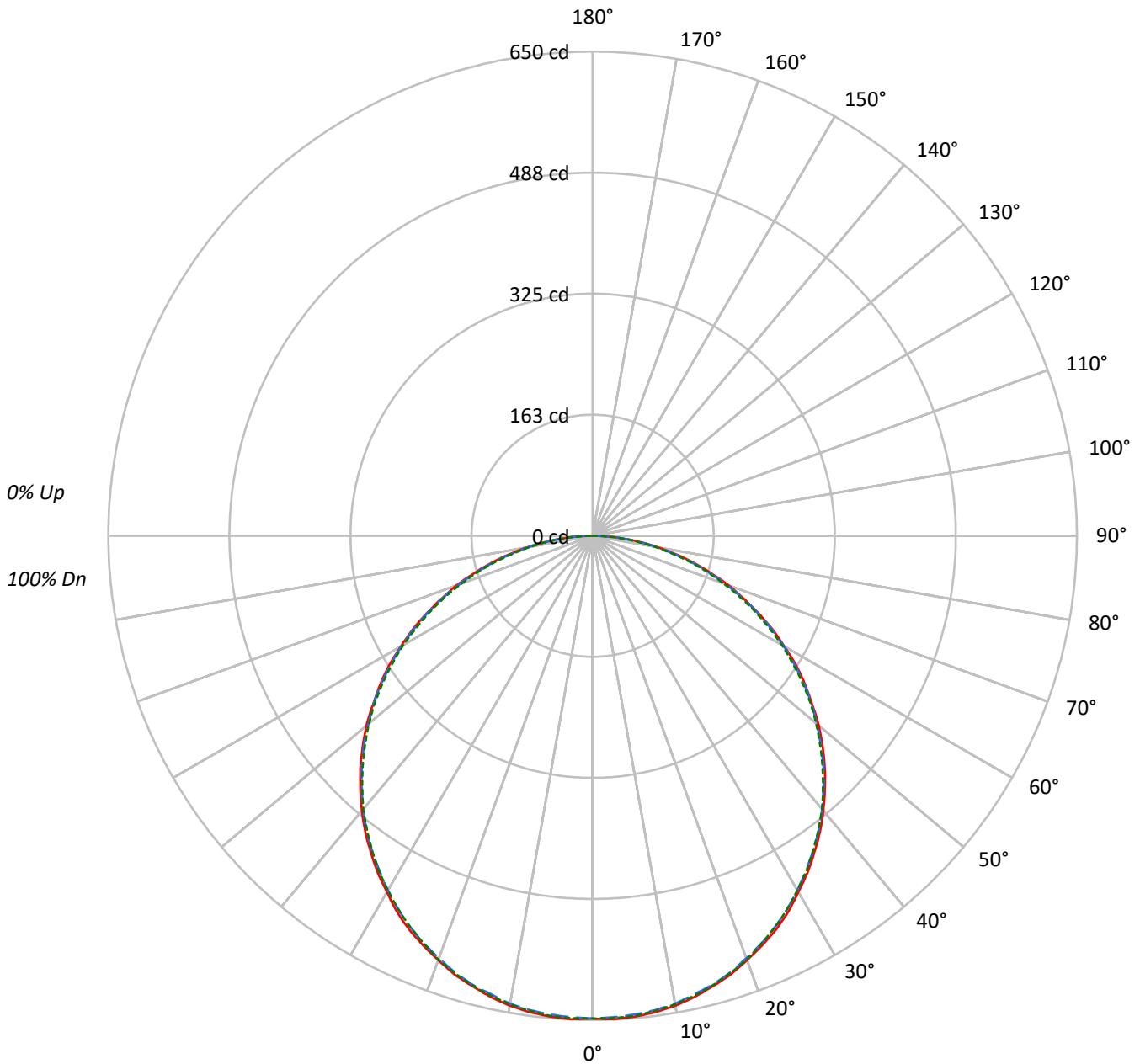
Test Method: LM-79-08  
Report Number: P568559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-20-L940  
Description: 2X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND  
4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1904.0 lumens  
Efficiency: N/A  
Efficacy: 114.0 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	24				

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

	0°	45°	90°
0°	872	872	872
5°	875	871	874
10°	875	871	873
15°	872	869	870
20°	868	864	867
25°	866	860	860
30°	858	854	854
35°	852	848	848
40°	846	841	841
45°	839	834	830
50°	830	822	820
55°	817	812	806
60°	799	797	789
65°	780	777	765
70°	763	749	734
75°	734	714	700
80°	690	676	647
85°	630	616	588



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.4	3.2
10°-20°	176.0	9.2
20°-30°	267.2	14.0
30°-40°	323.3	17.0
40°-50°	337.7	17.7
50°-60°	308.9	16.2
60°-70°	240.4	12.6
70°-80°	144.9	7.6
80°-90°	44.2	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°	504.6	26.5
0°-40°	827.9	43.5
0°-60°	1474.5	77.4
0°-90°	1904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	648	646	645	645	647	62
15°	626	624	624	623	625	177
25°	583	580	579	578	579	268
35°	519	517	516	516	516	325
45°	441	438	438	436	436	340
55°	348	347	346	344	344	311
65°	245	245	244	240	240	243
75°	141	139	137	135	135	149
85°	41	40	40	38	38	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	648.0	648.0	648.0	648.0	648.0
2.5°	649.8	648.0	647.0	647.0	648.0
5°	648.0	646.1	645.2	645.2	647.0
7.5°	645.2	642.4	642.4	641.5	643.3
10°	640.5	637.7	637.7	636.8	638.7
12.5°	634.0	631.2	630.3	630.3	632.2
15°	625.7	623.8	623.8	622.9	624.7
17.5°	617.3	614.5	614.5	613.6	615.5
20°	606.2	604.3	603.4	603.4	605.3
22.5°	595.0	593.2	592.3	592.3	592.3
25°	583.0	580.2	579.3	578.3	579.3
27.5°	569.0	565.3	565.3	564.4	565.3
30°	552.3	550.5	549.6	548.6	549.6
32.5°	536.6	533.8	532.8	533.8	533.8
35°	518.9	517.1	516.1	516.1	516.1
37.5°	501.3	498.5	498.5	497.6	497.6
40°	481.8	479.9	479.0	479.0	479.0
42.5°	461.4	459.5	458.6	457.7	457.7
45°	440.9	438.2	438.2	436.3	436.3
47.5°	418.7	416.8	415.9	414.0	414.0
50°	396.4	394.5	392.7	392.7	391.7
52.5°	371.3	371.3	370.4	368.5	368.5
55°	348.1	347.2	346.3	343.5	343.5
57.5°	324.0	323.0	321.2	318.4	318.4
60°	297.1	297.1	296.1	292.4	293.3
62.5°	272.0	271.1	270.1	267.3	266.4
65°	245.1	245.1	244.1	240.4	240.4
67.5°	219.1	219.1	217.2	213.5	213.5
70°	194.0	191.2	190.3	187.5	186.6
72.5°	166.2	165.2	163.4	160.6	160.6
75°	141.1	139.2	137.4	134.6	134.6
77.5°	114.2	112.3	110.5	109.5	107.7
80°	89.1	88.2	87.3	84.5	83.5
82.5°	64.1	63.1	62.2	61.3	60.3
85°	40.8	39.9	39.9	38.1	38.1
87.5°	17.6	18.6	16.7	17.6	16.7
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)