

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: P568404

Luminaire Tested: **22CGTX-20-L840**

Issue Date: 9/19/2022



**Test Information**

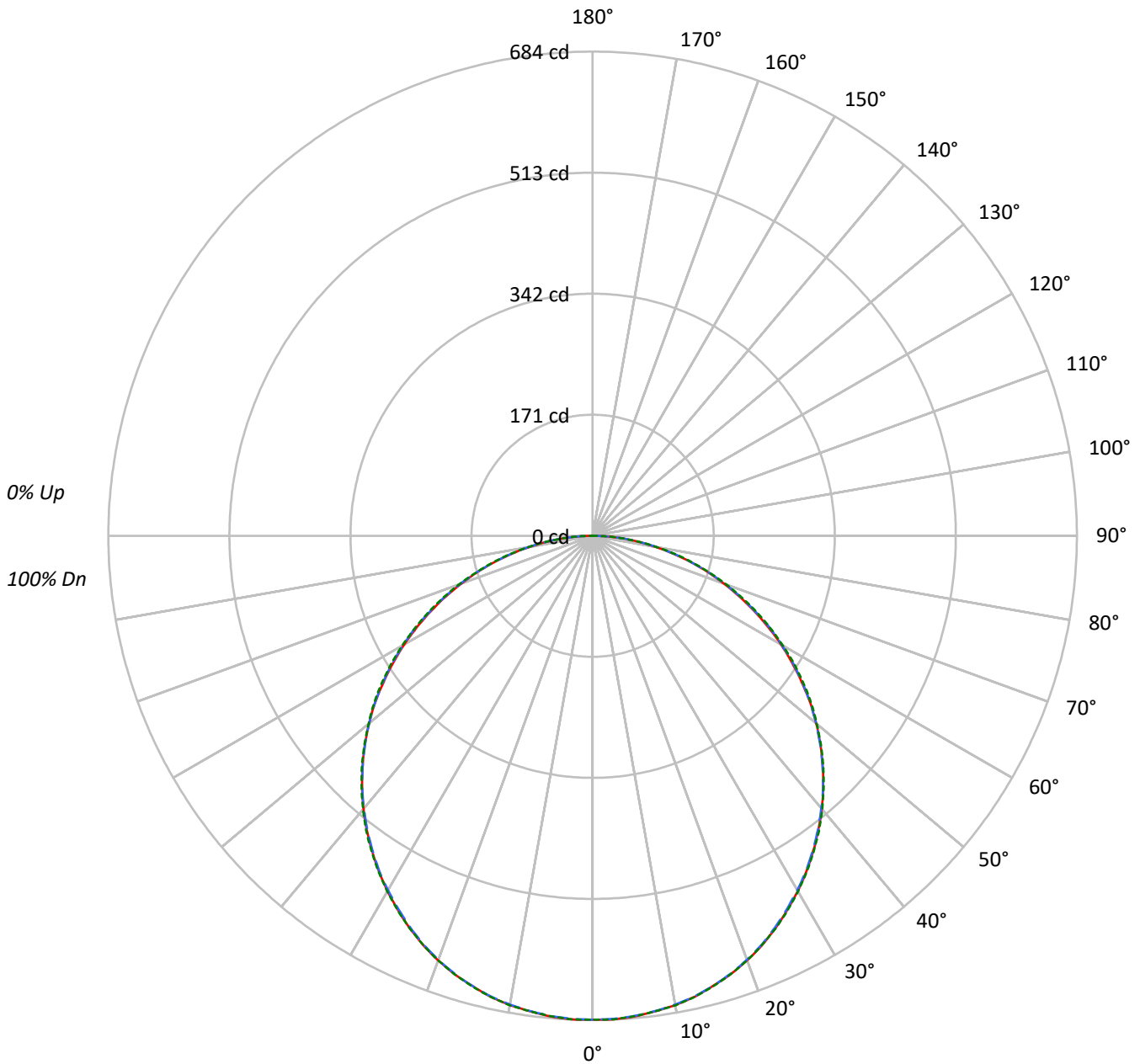
Test Method: LM-79-08  
Report Number: P568404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-20-L840  
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND  
4000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2001.0 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15.1  
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	77	73	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	80	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	33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24			

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

	0°	45°	90°
0°	1840	1840	1840
5°	1841	1840	1840
10°	1839	1838	1840
15°	1834	1834	1835
20°	1828	1825	1828
25°	1816	1811	1817
30°	1801	1796	1803
35°	1785	1781	1788
40°	1769	1765	1772
45°	1749	1748	1754
50°	1726	1724	1730
55°	1691	1696	1707
60°	1654	1661	1672
65°	1605	1616	1629
70°	1549	1565	1578
75°	1488	1498	1516
80°	1399	1415	1426
85°	1272	1284	1303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.7	3.2
10°-20°	185.8	9.3
20°-30°	281.5	14.1
30°-40°	340.0	17.0
40°-50°	354.7	17.7
50°-60°	323.5	16.2
60°-70°	251.4	12.6
70°-80°	152.5	7.6
80°-90°	47.0	2.4
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°	532.0	26.6
0°-40°	871.9	43.6
0°-60°	1550.1	77.5
0°-90°	2001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	682	681	681	681	681	65
15°	658	658	658	658	659	186
25°	612	610	610	611	612	282
35°	543	543	542	544	544	340
45°	460	459	459	461	461	354
55°	360	361	361	362	364	322
65°	252	253	254	255	256	250
75°	143	143	144	146	146	151
85°	41	42	42	43	42	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	683.7	683.7	683.7	683.7	683.7
2.5°	684.0	683.0	683.0	682.7	683.7
5°	681.7	680.6	681.0	680.6	681.3
7.5°	677.6	676.9	677.2	676.9	677.6
10°	673.1	672.5	672.5	672.5	673.5
12.5°	667.0	666.3	666.3	666.3	667.0
15°	658.2	658.2	658.2	658.2	658.8
17.5°	649.3	648.3	648.6	648.3	649.3
20°	638.4	637.0	637.4	637.4	638.4
22.5°	625.8	624.4	624.8	624.8	625.4
25°	611.5	610.1	610.1	611.1	611.8
27.5°	595.8	594.8	594.4	596.2	596.5
30°	579.5	578.8	578.1	579.8	580.1
32.5°	562.1	561.4	561.1	562.8	562.8
35°	543.3	542.7	542.3	544.4	544.4
37.5°	523.9	523.6	522.9	525.0	525.3
40°	503.5	502.8	502.5	504.5	504.5
42.5°	482.0	481.3	481.7	483.4	483.1
45°	459.5	459.2	459.2	461.3	460.9
47.5°	436.4	435.7	436.0	438.1	437.4
50°	412.2	411.5	411.9	413.9	413.2
52.5°	387.3	386.6	387.3	389.4	389.4
55°	360.4	361.1	361.4	362.5	363.8
57.5°	334.2	334.5	335.9	336.6	337.6
60°	307.3	308.0	308.6	310.0	310.7
62.5°	279.7	280.7	282.7	282.7	283.4
65°	252.1	252.8	253.8	254.8	255.8
67.5°	224.8	225.2	226.9	227.2	228.2
70°	196.9	197.2	198.9	199.3	200.6
72.5°	170.3	170.0	171.4	173.1	173.1
75°	143.1	142.7	144.1	145.5	145.8
77.5°	116.5	116.2	117.2	118.9	118.9
80°	90.3	91.0	91.3	92.7	92.0
82.5°	65.1	65.4	65.7	66.8	66.1
85°	41.2	41.6	41.6	42.6	42.2
87.5°	19.4	19.1	19.1	19.8	19.4
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)