

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: P568405

Luminaire Tested: **22CGTX-25-L840**

Issue Date: 9/19/2022

**Test Information**

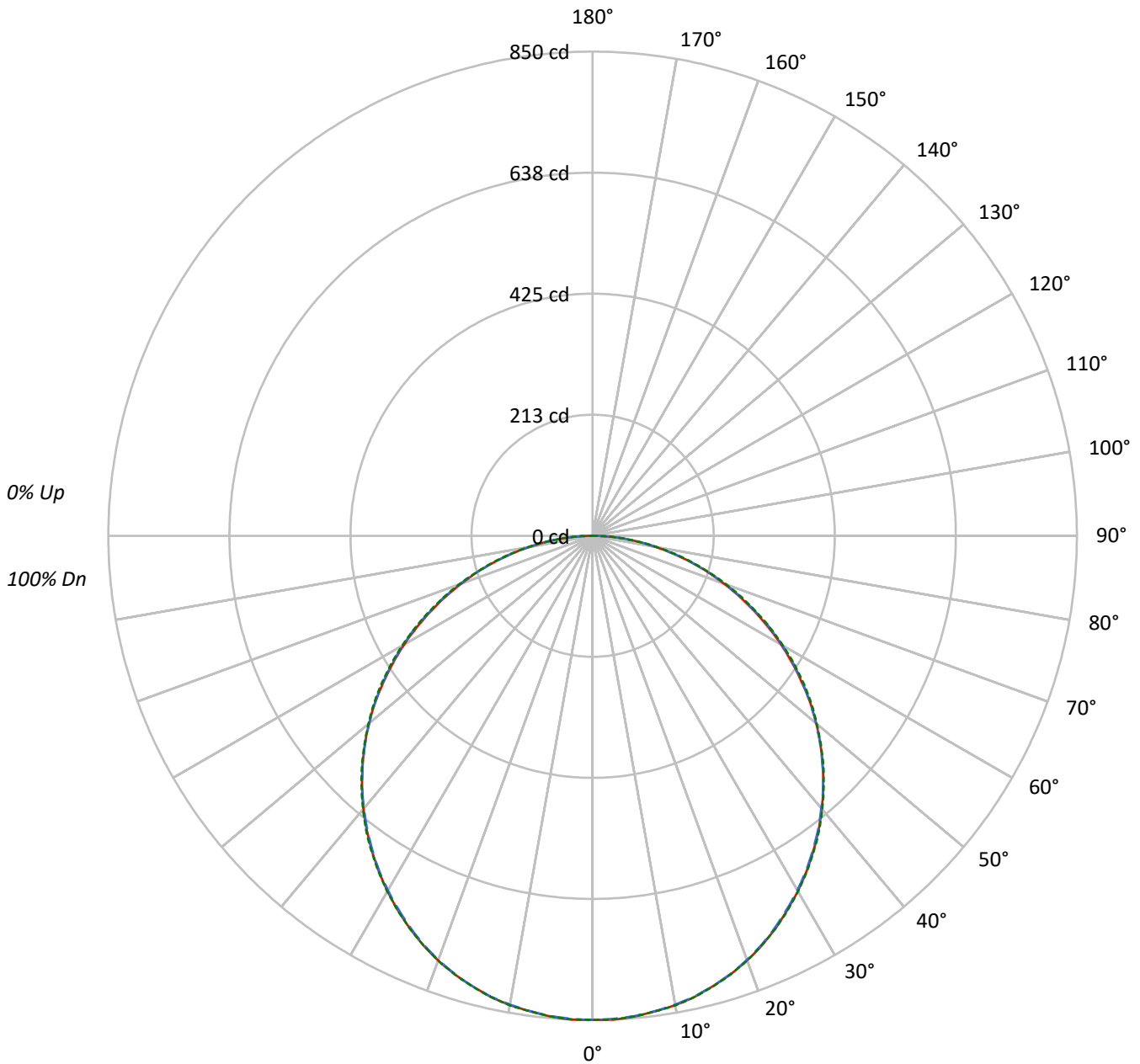
Test Method: LM-79-08  
Report Number: P568405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-25-L840  
Description: 2X2 2500 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: 2487.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 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): 18.9  
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									
RC	80									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°	2287	2287	2287
5°	2289	2286	2287
10°	2286	2284	2287
15°	2279	2279	2281
20°	2272	2269	2272
25°	2257	2252	2258
30°	2238	2233	2240
35°	2218	2214	2223
40°	2198	2194	2203
45°	2174	2172	2180
50°	2145	2143	2150
55°	2102	2107	2122
60°	2055	2065	2078
65°	1995	2008	2025
70°	1925	1946	1962
75°	1849	1862	1884
80°	1739	1759	1771
85°	1581	1596	1621



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.4	3.2
10°-20°	230.9	9.3
20°-30°	349.8	14.1
30°-40°	422.5	17.0
40°-50°	440.8	17.7
50°-60°	402.0	16.2
60°-70°	312.5	12.6
70°-80°	189.6	7.6
80°-90°	58.4	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°	661.2	26.6
0°-40°	1083.7	43.6
0°-60°	1926.5	77.5
0°-90°	2487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2487.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	847	846	846	846	847	81
15°	818	818	818	818	819	231
25°	760	758	758	760	760	350
35°	675	674	674	677	677	423
45°	571	571	571	573	573	441
55°	448	449	449	450	452	401
65°	313	314	315	317	318	310
75°	178	177	179	181	181	188
85°	51	52	52	53	52	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	849.8	849.8	849.8	849.8	849.8
2.5°	850.2	848.9	848.9	848.5	849.8
5°	847.2	845.9	846.4	845.9	846.8
7.5°	842.1	841.3	841.7	841.3	842.1
10°	836.6	835.8	835.8	835.8	837.1
12.5°	829.0	828.2	828.2	828.2	829.0
15°	818.0	818.0	818.0	818.0	818.8
17.5°	807.0	805.7	806.1	805.7	807.0
20°	793.4	791.8	792.2	792.2	793.4
22.5°	777.8	776.1	776.5	776.5	777.4
25°	760.0	758.3	758.3	759.6	760.4
27.5°	740.5	739.3	738.8	740.9	741.4
30°	720.2	719.4	718.5	720.6	721.0
32.5°	698.6	697.8	697.3	699.5	699.5
35°	675.3	674.5	674.0	676.6	676.6
37.5°	651.2	650.8	649.9	652.5	652.9
40°	625.8	624.9	624.5	627.1	627.1
42.5°	599.1	598.3	598.7	600.8	600.4
45°	571.2	570.7	570.7	573.3	572.9
47.5°	542.4	541.5	541.9	544.5	543.6
50°	512.3	511.5	511.9	514.4	513.6
52.5°	481.4	480.6	481.4	483.9	483.9
55°	448.0	448.8	449.2	450.5	452.2
57.5°	415.4	415.8	417.5	418.3	419.6
60°	381.9	382.8	383.6	385.3	386.1
62.5°	347.6	348.9	351.4	351.4	352.3
65°	313.3	314.2	315.4	316.7	318.0
67.5°	279.4	279.9	282.0	282.4	283.7
70°	244.7	245.1	247.3	247.7	249.4
72.5°	211.7	211.3	213.0	215.1	215.1
75°	177.8	177.4	179.1	180.8	181.2
77.5°	144.8	144.4	145.6	147.8	147.8
80°	112.2	113.0	113.5	115.2	114.3
82.5°	80.9	81.3	81.7	83.0	82.1
85°	51.2	51.7	51.7	52.9	52.5
87.5°	24.1	23.7	23.7	24.6	24.1
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)