

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: P568409

Luminaire Tested: **22CGTX-25-L940**

Issue Date: 9/19/2022

**Test Information**

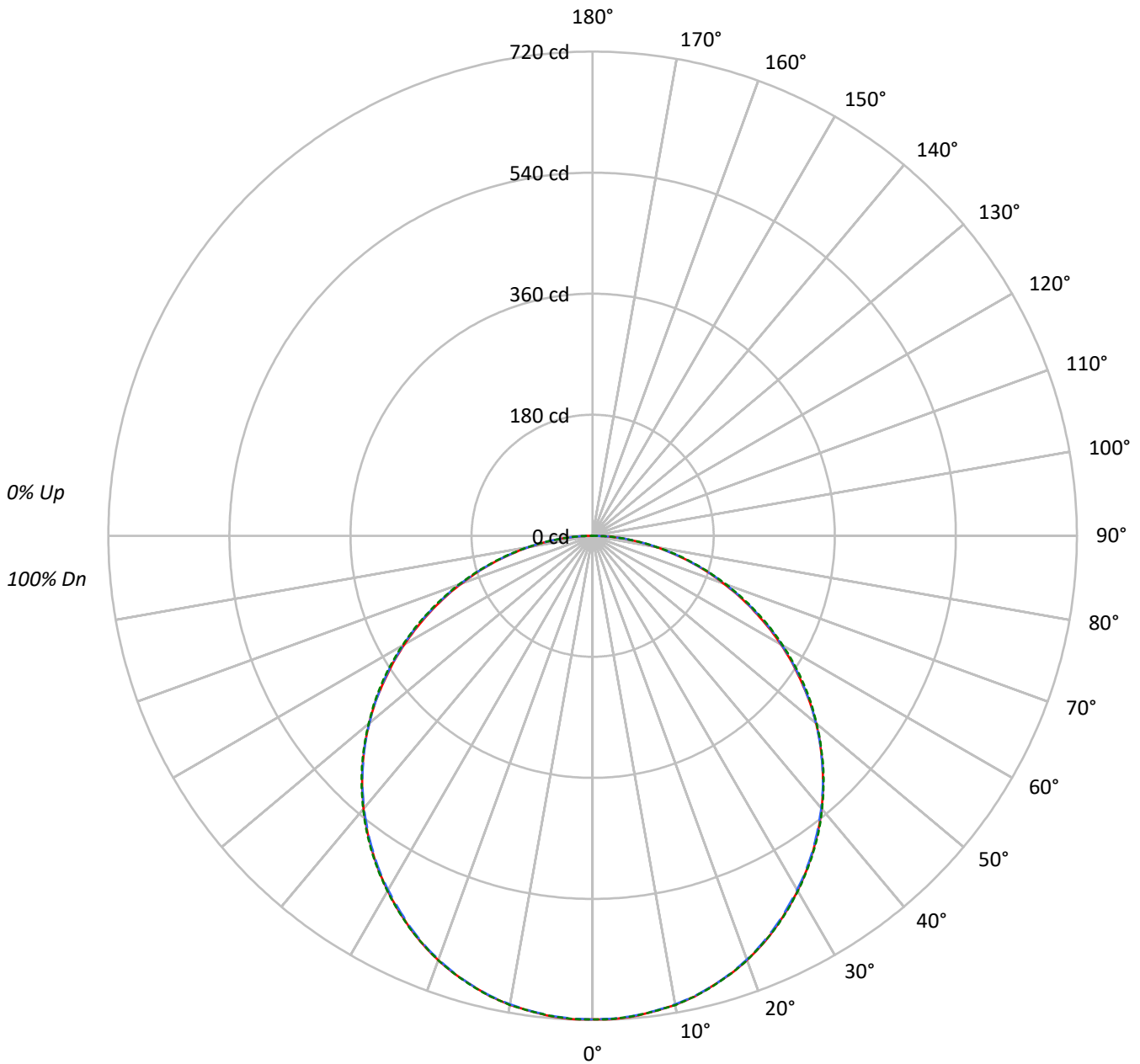
Test Method: LM-79-08  
Report Number: P568409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-25-L940  
Description: 2X2 2500 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: 2105.0 lumens  
Efficiency: N/A  
Efficacy: 111.4 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				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°	1935	1935	1935
5°	1937	1935	1936
10°	1935	1933	1936
15°	1929	1929	1931
20°	1923	1920	1923
25°	1910	1906	1911
30°	1894	1890	1896
35°	1878	1874	1881
40°	1861	1857	1864
45°	1840	1838	1845
50°	1815	1814	1820
55°	1779	1784	1795
60°	1739	1748	1759
65°	1689	1700	1713
70°	1629	1647	1661
75°	1565	1576	1595
80°	1472	1488	1500
85°	1340	1349	1371



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	3.2
10°-20°	195.4	9.3
20°-30°	296.1	14.1
30°-40°	357.6	17.0
40°-50°	373.1	17.7
50°-60°	340.3	16.2
60°-70°	264.5	12.6
70°-80°	160.4	7.6
80°-90°	49.5	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°	559.6	26.6
0°-40°	917.2	43.6
0°-60°	1630.6	77.5
0°-90°	2105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	717	716	716	716	717	68
15°	692	692	692	692	693	196
25°	643	642	642	643	644	296
35°	572	571	570	573	573	358
45°	483	483	483	485	485	373
55°	379	380	380	381	383	339
65°	265	266	267	268	269	263
75°	150	150	152	153	153	159
85°	43	44	44	45	44	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	719.2	719.2	719.2	719.2	719.2
2.5°	719.6	718.5	718.5	718.2	719.2
5°	717.1	716.0	716.4	716.0	716.7
7.5°	712.8	712.1	712.4	712.1	712.8
10°	708.1	707.4	707.4	707.4	708.5
12.5°	701.7	701.0	701.0	701.0	701.7
15°	692.4	692.4	692.4	692.4	693.1
17.5°	683.0	682.0	682.3	682.0	683.0
20°	671.6	670.1	670.5	670.5	671.6
22.5°	658.3	656.9	657.2	657.2	658.0
25°	643.3	641.8	641.8	642.9	643.6
27.5°	626.8	625.7	625.3	627.1	627.5
30°	609.6	608.9	608.1	609.9	610.3
32.5°	591.3	590.6	590.2	592.0	592.0
35°	571.6	570.9	570.5	572.7	572.7
37.5°	551.2	550.8	550.1	552.2	552.6
40°	529.7	528.9	528.6	530.7	530.7
42.5°	507.1	506.4	506.7	508.5	508.2
45°	483.4	483.1	483.1	485.2	484.9
47.5°	459.1	458.3	458.7	460.9	460.1
50°	433.6	432.9	433.3	435.4	434.7
52.5°	407.5	406.7	407.5	409.6	409.6
55°	379.1	379.9	380.2	381.3	382.7
57.5°	351.6	351.9	353.3	354.1	355.1
60°	323.2	324.0	324.7	326.1	326.8
62.5°	294.2	295.3	297.4	297.4	298.2
65°	265.2	265.9	267.0	268.1	269.1
67.5°	236.5	236.9	238.7	239.0	240.1
70°	207.1	207.5	209.3	209.6	211.1
72.5°	179.2	178.8	180.3	182.0	182.0
75°	150.5	150.2	151.6	153.0	153.4
77.5°	122.6	122.2	123.3	125.1	125.1
80°	95.0	95.7	96.0	97.5	96.8
82.5°	68.4	68.8	69.2	70.2	69.5
85°	43.4	43.7	43.7	44.8	44.4
87.5°	20.4	20.1	20.1	20.8	20.4
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)