

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: P568417

Luminaire Tested: **22CGTX-25-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568417
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-L950
Description: 2X2 2500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

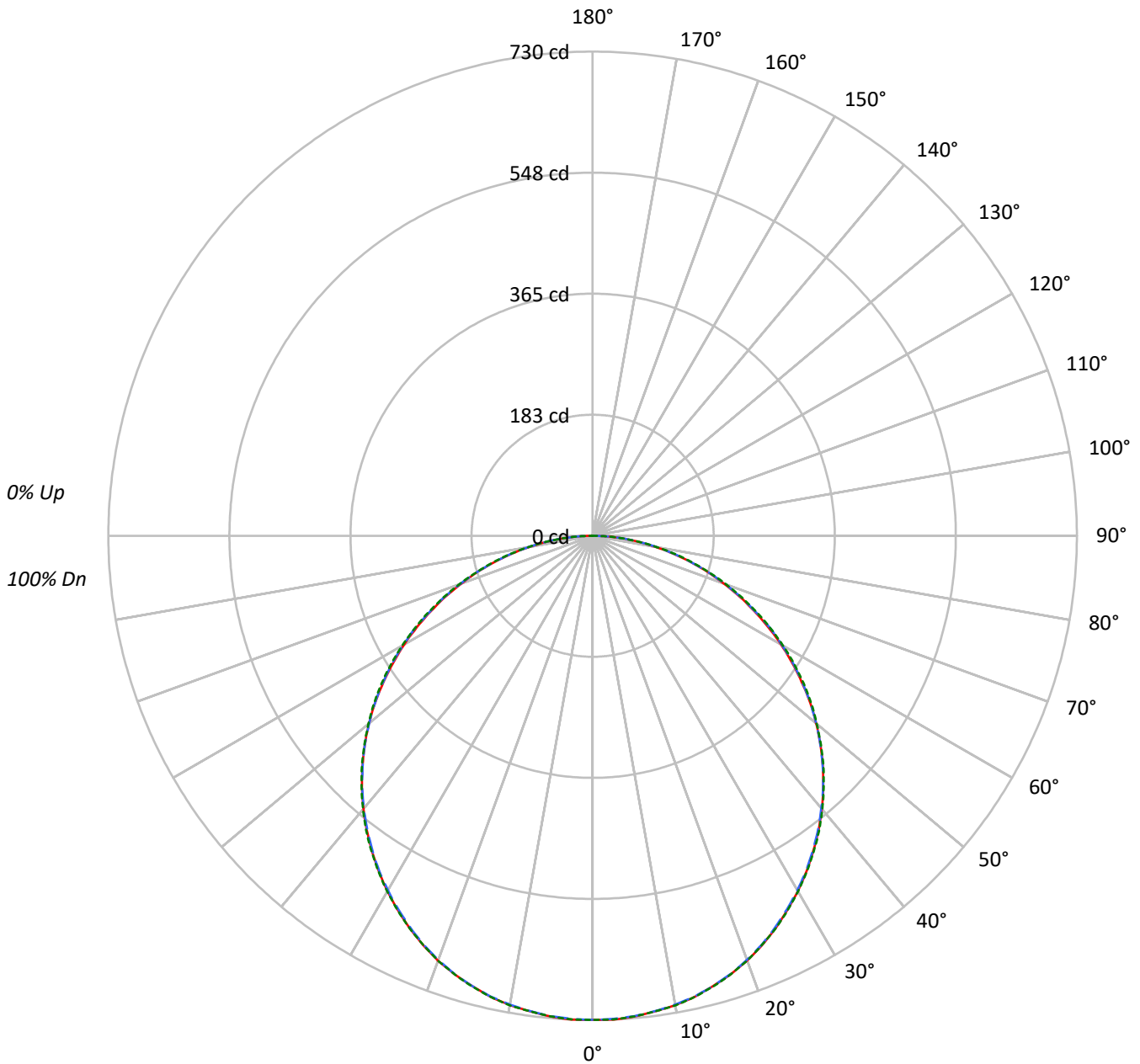
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2136.0 lumens
Efficiency: N/A
Efficacy: 113.0 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_{in}): 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

TEST NUMBER: P568417
CATALOG NUMBER: 22CGTX-25-L950

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°	1964	1964	1964
5°	1965	1964	1965
10°	1964	1961	1964
15°	1957	1957	1959
20°	1952	1948	1952
25°	1938	1934	1939
30°	1922	1917	1924
35°	1905	1902	1909
40°	1888	1884	1892
45°	1867	1866	1872
50°	1842	1840	1847
55°	1805	1810	1822
60°	1765	1773	1785
65°	1713	1725	1739
70°	1654	1671	1685
75°	1588	1599	1618
80°	1494	1511	1522
85°	1359	1371	1392



TEST NUMBER: P568417

CATALOG NUMBER: 22CGTX-25-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.2
10°-20°	198.3	9.3
20°-30°	300.5	14.1
30°-40°	362.9	17.0
40°-50°	378.6	17.7
50°-60°	345.3	16.2
60°-70°	268.4	12.6
70°-80°	162.8	7.6
80°-90°	50.2	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°	567.9	26.6
0°-40°	930.8	43.6
0°-60°	1654.6	77.5
0°-90°	2136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	728	727	727	727	727	69
15°	703	703	703	703	703	198
25°	653	651	651	652	653	301
35°	580	579	579	581	581	363
45°	491	490	490	492	492	378
55°	385	386	386	387	388	344
65°	269	270	271	272	273	266
75°	153	152	154	155	156	161
85°	44	44	44	46	45	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.8	729.8	729.8	729.8	729.8
2.5°	730.2	729.1	729.1	728.7	729.8
5°	727.6	726.6	726.9	726.6	727.3
7.5°	723.3	722.6	722.9	722.6	723.3
10°	718.6	717.8	717.8	717.8	718.9
12.5°	712.0	711.3	711.3	711.3	712.0
15°	702.6	702.6	702.6	702.6	703.3
17.5°	693.1	692.0	692.4	692.0	693.1
20°	681.5	680.0	680.4	680.4	681.5
22.5°	668.0	666.6	666.9	666.9	667.6
25°	652.7	651.3	651.3	652.4	653.1
27.5°	636.0	634.9	634.6	636.4	636.7
30°	618.6	617.8	617.1	618.9	619.3
32.5°	600.0	599.3	598.9	600.7	600.7
35°	580.0	579.3	578.9	581.1	581.1
37.5°	559.3	558.9	558.2	560.4	560.7
40°	537.5	536.7	536.4	538.6	538.6
42.5°	514.6	513.8	514.2	516.0	515.6
45°	490.6	490.2	490.2	492.4	492.0
47.5°	465.8	465.1	465.5	467.6	466.9
50°	440.0	439.3	439.6	441.8	441.1
52.5°	413.5	412.7	413.5	415.6	415.6
55°	384.7	385.5	385.8	386.9	388.4
57.5°	356.7	357.1	358.6	359.3	360.4
60°	328.0	328.7	329.5	330.9	331.6
62.5°	298.5	299.6	301.8	301.8	302.5
65°	269.1	269.8	270.9	272.0	273.1
67.5°	240.0	240.4	242.2	242.5	243.6
70°	210.2	210.5	212.4	212.7	214.2
72.5°	181.8	181.5	182.9	184.7	184.7
75°	152.7	152.4	153.8	155.3	155.6
77.5°	124.4	124.0	125.1	126.9	126.9
80°	96.4	97.1	97.5	98.9	98.2
82.5°	69.5	69.8	70.2	71.3	70.5
85°	44.0	44.4	44.4	45.5	45.1
87.5°	20.7	20.4	20.4	21.1	20.7
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)