

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: P568401

Luminaire Tested: **22CGTX-25-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568401
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-L935
Description: 2X2 2500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

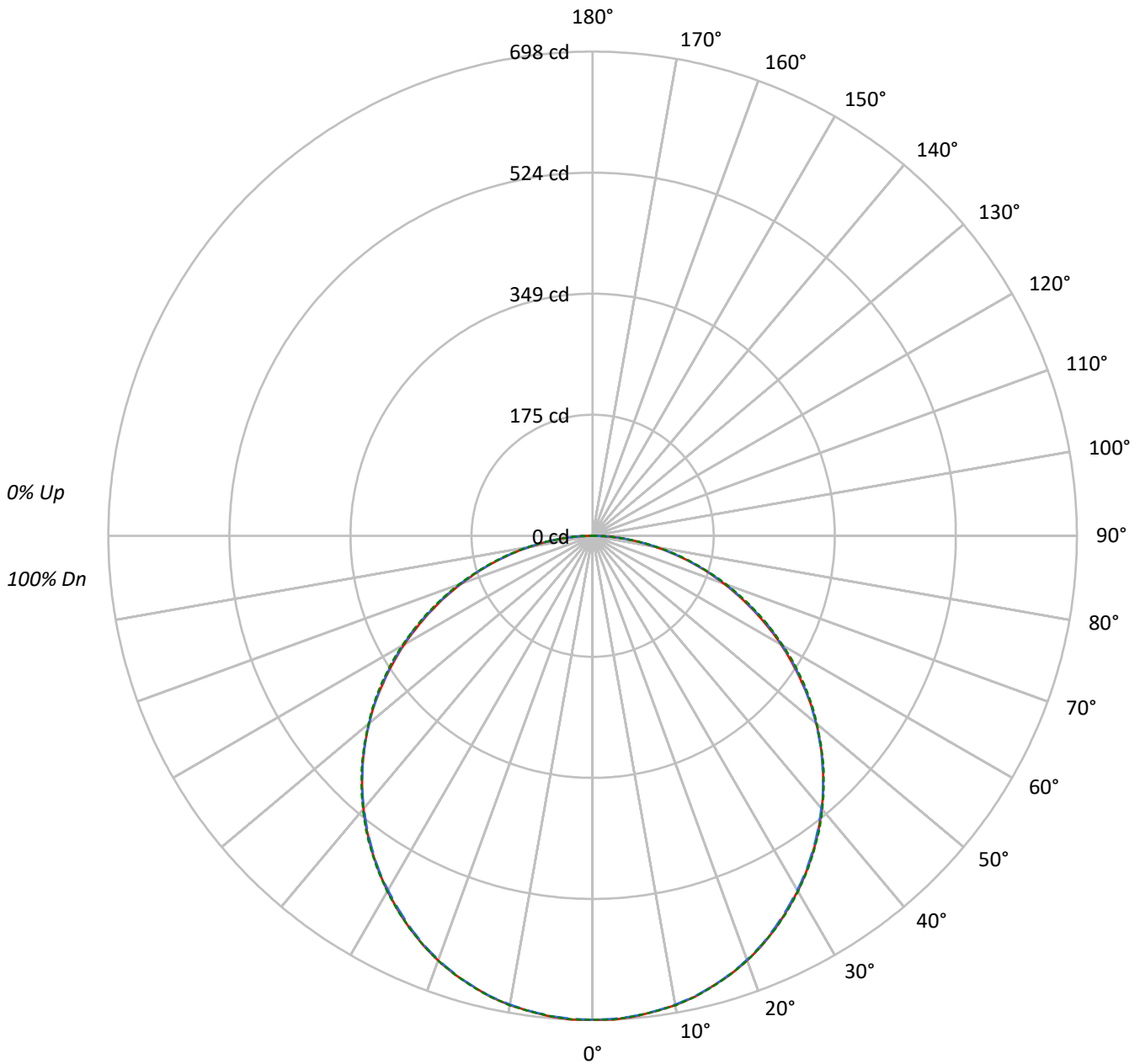
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2042.0 lumens
Efficiency: N/A
Efficacy: 108.0 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

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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°	1877	1877	1877
5°	1879	1877	1878
10°	1877	1875	1878
15°	1871	1871	1873
20°	1866	1863	1866
25°	1853	1849	1854
30°	1837	1833	1840
35°	1822	1818	1825
40°	1805	1801	1809
45°	1785	1783	1790
50°	1761	1760	1765
55°	1726	1730	1742
60°	1688	1695	1706
65°	1638	1649	1663
70°	1581	1597	1611
75°	1518	1529	1547
80°	1427	1444	1455
85°	1300	1309	1331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	3.2
10°-20°	189.6	9.3
20°-30°	287.2	14.1
30°-40°	346.9	17.0
40°-50°	362.0	17.7
50°-60°	330.1	16.2
60°-70°	256.6	12.6
70°-80°	155.6	7.6
80°-90°	48.0	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°	542.9	26.6
0°-40°	889.8	43.6
0°-60°	1581.8	77.5
0°-90°	2042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	696	695	695	695	695	66
15°	672	672	672	672	672	190
25°	624	623	623	624	624	288
35°	554	554	553	556	556	347
45°	469	469	469	471	470	362
55°	368	368	369	370	371	329
65°	257	258	259	260	261	255
75°	146	146	147	148	149	154
85°	42	42	42	44	43	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	697.7	697.7	697.7	697.7	697.7
2.5°	698.1	697.0	697.0	696.7	697.7
5°	695.6	694.6	694.9	694.6	695.3
7.5°	691.5	690.8	691.1	690.8	691.5
10°	686.9	686.2	686.2	686.2	687.3
12.5°	680.7	680.0	680.0	680.0	680.7
15°	671.6	671.6	671.6	671.6	672.3
17.5°	662.6	661.6	661.9	661.6	662.6
20°	651.5	650.1	650.4	650.4	651.5
22.5°	638.6	637.2	637.6	637.6	638.3
25°	624.0	622.6	622.6	623.7	624.4
27.5°	608.0	607.0	606.6	608.4	608.7
30°	591.3	590.6	589.9	591.7	592.0
32.5°	573.6	572.9	572.6	574.3	574.3
35°	554.5	553.8	553.4	555.5	555.5
37.5°	534.7	534.3	533.6	535.7	536.1
40°	513.8	513.1	512.8	514.9	514.9
42.5°	491.9	491.2	491.6	493.3	493.0
45°	469.0	468.6	468.6	470.7	470.4
47.5°	445.3	444.6	445.0	447.1	446.4
50°	420.6	419.9	420.3	422.4	421.7
52.5°	395.3	394.6	395.3	397.4	397.4
55°	367.8	368.5	368.8	369.9	371.3
57.5°	341.0	341.4	342.8	343.5	344.5
60°	313.6	314.3	315.0	316.4	317.0
62.5°	285.4	286.5	288.5	288.5	289.2
65°	257.3	257.9	259.0	260.0	261.1
67.5°	229.4	229.8	231.5	231.9	232.9
70°	200.9	201.3	203.0	203.4	204.8
72.5°	173.8	173.5	174.9	176.6	176.6
75°	146.0	145.7	147.1	148.4	148.8
77.5°	118.9	118.5	119.6	121.3	121.3
80°	92.1	92.8	93.2	94.6	93.9
82.5°	66.4	66.7	67.1	68.1	67.4
85°	42.1	42.4	42.4	43.5	43.1
87.5°	19.8	19.5	19.5	20.2	19.8
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)