

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: P568525

Luminaire Tested: **24CGTX-65-L930**

Issue Date: 9/19/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-65-L930  
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

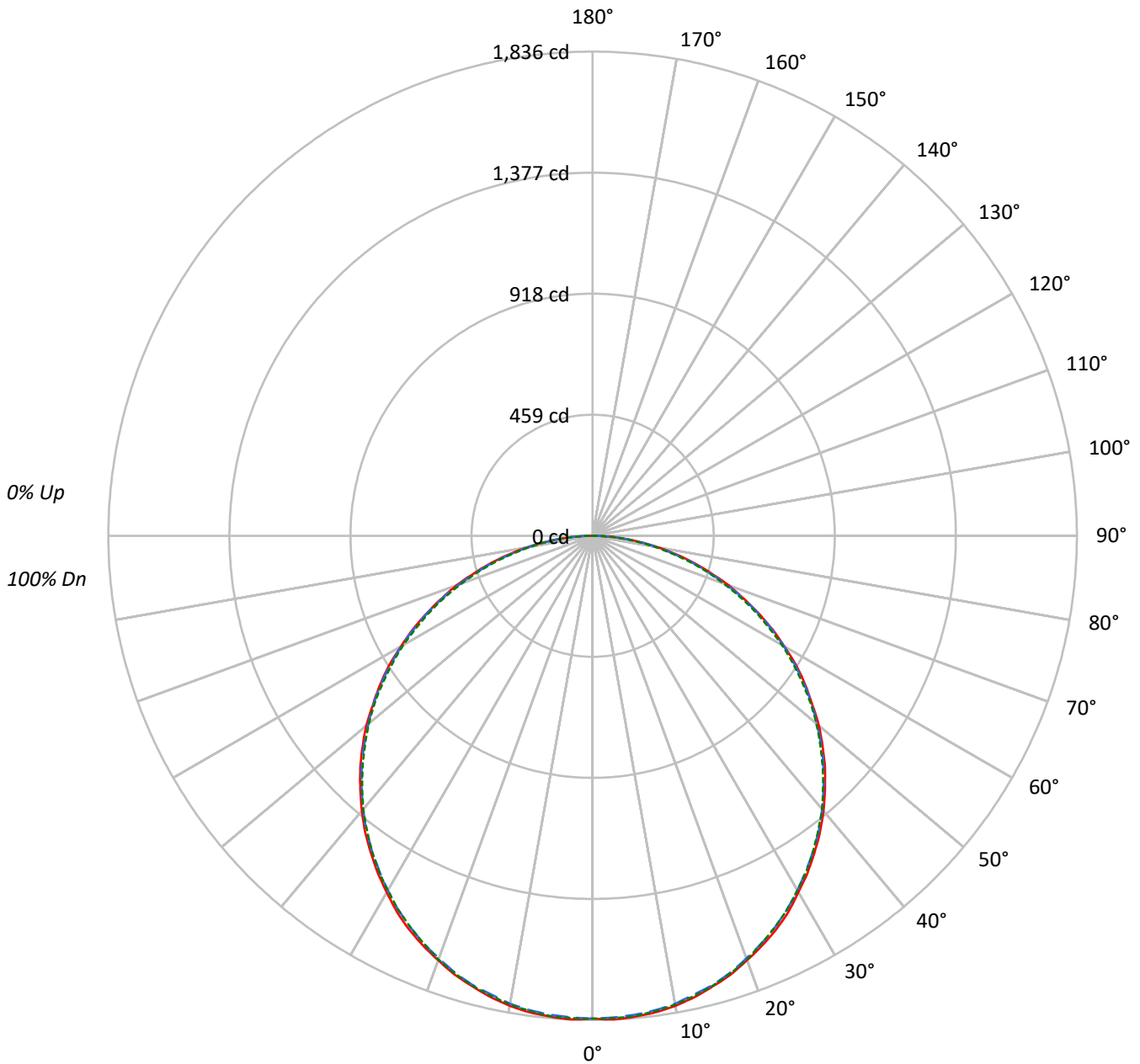
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5380.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 53.4  
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

TEST NUMBER: P568525  
CATALOG NUMBER: 24CGTX-65-L930

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	76	72	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	79	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	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	24								

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

	0°	45°	90°
0°	2463	2463	2463
5°	2473	2462	2469
10°	2473	2462	2466
15°	2463	2455	2459
20°	2452	2441	2449
25°	2446	2430	2430
30°	2425	2412	2412
35°	2408	2395	2395
40°	2391	2377	2377
45°	2371	2356	2346
50°	2344	2322	2317
55°	2307	2295	2277
60°	2259	2252	2231
65°	2205	2196	2163
70°	2157	2115	2074
75°	2073	2018	1977
80°	1951	1911	1829
85°	1782	1741	1660



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.5	3.2
10°-20°	497.4	9.2
20°-30°	754.9	14.0
30°-40°	913.4	17.0
40°-50°	954.2	17.7
50°-60°	872.9	16.2
60°-70°	679.4	12.6
70°-80°	409.5	7.6
80°-90°	124.8	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°	1425.9	26.5
0°-40°	2339.3	43.5
0°-60°	4166.3	77.4
0°-90°	5380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1831	1826	1823	1823	1828	174
15°	1768	1763	1763	1760	1765	499
25°	1647	1639	1637	1634	1637	759
35°	1466	1461	1458	1458	1458	918
45°	1246	1238	1238	1233	1233	960
55°	984	981	978	970	970	879
65°	692	692	690	679	679	686
75°	399	394	388	380	380	420
85°	115	113	113	108	108	128
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1830.9	1830.9	1830.9	1830.9	1830.9
2.5°	1836.1	1830.9	1828.3	1828.3	1830.9
5°	1830.9	1825.6	1823.0	1823.0	1828.3
7.5°	1823.0	1815.1	1815.1	1812.5	1817.8
10°	1809.9	1802.0	1802.0	1799.4	1804.6
12.5°	1791.5	1783.7	1781.0	1781.0	1786.3
15°	1767.9	1762.7	1762.7	1760.1	1765.3
17.5°	1744.3	1736.4	1736.4	1733.8	1739.1
20°	1712.8	1707.6	1705.0	1705.0	1710.2
22.5°	1681.4	1676.1	1673.5	1673.5	1673.5
25°	1647.3	1639.4	1636.8	1634.1	1636.8
27.5°	1607.9	1597.4	1597.4	1594.8	1597.4
30°	1560.7	1555.5	1552.8	1550.2	1552.8
32.5°	1516.1	1508.2	1505.6	1508.2	1508.2
35°	1466.3	1461.0	1458.4	1458.4	1458.4
37.5°	1416.4	1408.6	1408.6	1405.9	1405.9
40°	1361.4	1356.1	1353.5	1353.5	1353.5
42.5°	1303.6	1298.4	1295.8	1293.2	1293.2
45°	1245.9	1238.1	1238.1	1232.8	1232.8
47.5°	1183.0	1177.7	1175.1	1169.9	1169.9
50°	1120.0	1114.8	1109.5	1109.5	1106.9
52.5°	1049.2	1049.2	1046.6	1041.3	1041.3
55°	983.6	981.0	978.4	970.5	970.5
57.5°	915.4	912.8	907.6	899.7	899.7
60°	839.4	839.4	836.7	826.3	828.9
62.5°	768.5	765.9	763.3	755.4	752.8
65°	692.5	692.5	689.9	679.4	679.4
67.5°	619.0	619.0	613.8	603.3	603.3
70°	548.2	540.3	537.7	529.9	527.2
72.5°	469.5	466.9	461.7	453.8	453.8
75°	398.7	393.5	388.2	380.3	380.3
77.5°	322.6	317.4	312.1	309.5	304.3
80°	251.8	249.2	246.6	238.7	236.1
82.5°	181.0	178.4	175.7	173.1	170.5
85°	115.4	112.8	112.8	107.5	107.5
87.5°	49.8	52.5	47.2	49.8	47.2
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)