

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1526851

Luminaire Tested: 24CGTX-100HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-100HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

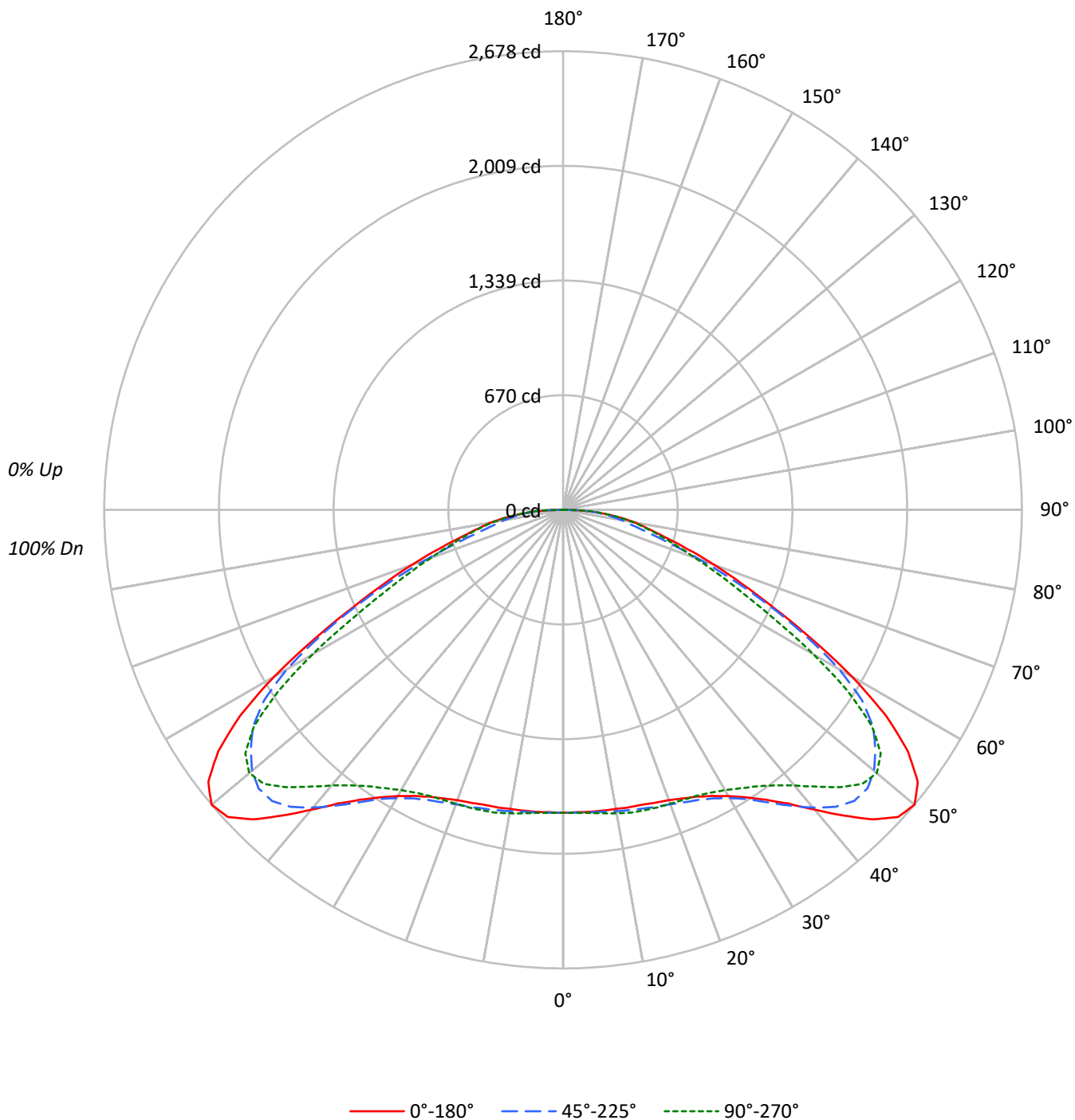
Lumens per Lamp: N/A
Luminaire Lumens: 8829.2 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 82.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 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				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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66			
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54			
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44			
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37			
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31			
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27			
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23			
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20			
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2380	2380	2380
5°	2391	2395	2399
10°	2423	2442	2458
15°	2483	2515	2532
20°	2583	2620	2616
25°	2744	2776	2735
30°	2997	3019	2936
35°	3395	3425	3237
40°	4014	3987	3689
45°	4864	4573	4357
50°	5606	4960	5005
55°	5763	5182	5164
60°	5237	5006	4546
65°	4331	4254	3709
70°	3699	3332	3223
75°	3203	2654	3052
80°	3316	2689	3210
85°	3352	3233	3563

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	1.9
10°-20°	511.9	5.8
20°-30°	864.7	9.8
30°-40°	1301.7	14.7
40°-50°	1851.0	21.0
50°-60°	1986.5	22.5
60°-70°	1294.6	14.7
70°-80°	622.5	7.1
80°-90°	226.5	2.6
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°	1546.4	17.5
0°-40°	2848.1	32.3
0°-60°	6685.6	75.7
0°-90°	8829.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8829.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1769	1769	1769	1769	1769	
5°	1770	1772	1773	1779	1776	169
15°	1782	1792	1805	1816	1818	507
25°	1848	1865	1870	1853	1842	860
35°	2067	2107	2085	2015	1970	1312
45°	2556	2493	2403	2340	2290	1962
55°	2457	2394	2209	2145	2201	2149
65°	1360	1350	1336	1192	1165	1377
75°	616	582	511	581	587	677
85°	217	203	209	216	231	236
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1768.7	1768.7	1768.7	1768.7	1768.7
2.5°	1767.2	1768.7	1770.2	1771.8	1771.8
5°	1770.2	1771.8	1773.3	1779.4	1776.4
7.5°	1771.8	1773.3	1777.9	1787.1	1787.1
10°	1773.3	1777.9	1787.1	1796.2	1799.3
12.5°	1779.4	1784.0	1796.2	1808.5	1811.5
15°	1782.5	1791.6	1805.4	1816.1	1817.6
17.5°	1793.2	1802.3	1817.6	1822.2	1822.2
20°	1803.9	1816.1	1829.9	1829.9	1826.8
22.5°	1823.7	1837.5	1848.2	1839.0	1832.9
25°	1848.2	1865.0	1869.6	1852.8	1842.1
27.5°	1883.4	1904.8	1898.7	1875.7	1862.0
30°	1929.2	1956.7	1943.0	1909.4	1889.5
32.5°	1990.4	2024.0	2001.1	1958.3	1927.7
35°	2066.8	2106.6	2085.2	2014.8	1970.5
37.5°	2161.6	2202.9	2176.9	2086.7	2027.1
40°	2285.4	2306.8	2270.1	2172.3	2100.4
42.5°	2419.9	2409.2	2352.7	2262.5	2192.2
45°	2556.0	2493.3	2403.1	2340.4	2290.0
47.5°	2653.8	2537.7	2409.2	2377.1	2368.0
50°	2678.3	2528.5	2369.5	2357.3	2390.9
52.5°	2609.5	2479.6	2297.6	2276.2	2337.4
55°	2456.6	2394.0	2209.0	2144.8	2201.3
57.5°	2231.9	2227.3	2068.3	1953.7	1969.0
60°	1946.0	1964.4	1860.4	1698.4	1689.2
62.5°	1637.2	1647.9	1602.1	1433.9	1401.8
65°	1360.5	1349.8	1336.1	1192.4	1164.9
67.5°	1132.8	1100.7	1079.3	992.1	978.4
70°	940.2	889.7	846.9	833.1	819.4
72.5°	761.3	724.6	655.8	694.0	692.5
75°	616.1	582.4	510.6	580.9	587.0
77.5°	504.5	481.5	412.8	477.0	496.8
80°	428.0	380.6	347.0	388.3	414.3
82.5°	327.1	290.5	282.8	299.6	324.1
85°	217.1	203.3	209.4	215.5	230.8
87.5°	110.1	117.7	126.9	137.6	145.2
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	19.4	21.2	19.8	21.5	21.8	18.5	20.3	18.9	20.6	20.9
	3H	20.5	22.1	20.9	22.5	22.8	19.6	21.2	20.0	21.6	21.9
	4H	20.9	22.4	21.3	22.8	23.1	20.1	21.6	20.5	22.0	22.3
	6H	21.3	22.7	21.7	23.0	23.4	20.5	22.0	20.9	22.3	22.7
	8H	21.4	22.8	21.8	23.2	23.6	20.7	22.1	21.2	22.5	22.9
	12H	21.6	22.9	22.0	23.2	23.7	20.9	22.2	21.3	22.6	23.0
4H	2H	19.8	21.3	20.2	21.7	22.1	19.1	20.6	19.5	20.9	21.3
	3H	21.1	22.4	21.5	22.8	23.2	20.4	21.7	20.8	22.1	22.5
	4H	21.6	22.8	22.0	23.2	23.6	21.0	22.1	21.4	22.5	23.0
	6H	22.1	23.1	22.5	23.5	24.0	21.5	22.6	22.0	23.0	23.4
	8H	22.3	23.3	22.8	23.7	24.2	21.8	22.8	22.3	23.2	23.7
	12H	22.5	23.4	23.0	23.8	24.3	22.0	22.9	22.5	23.4	23.8
8H	4H	21.8	22.7	22.2	23.2	23.6	21.2	22.1	21.6	22.6	23.0
	6H	22.4	23.2	22.9	23.6	24.1	21.9	22.7	22.4	23.2	23.6
	8H	22.7	23.4	23.2	23.9	24.4	22.2	22.9	22.7	23.4	23.9
	12H	23.0	23.6	23.5	24.1	24.6	22.6	23.2	23.1	23.7	24.3
12H	4H	21.8	22.7	22.3	23.1	23.6	21.2	22.1	21.7	22.5	23.0
	6H	22.4	23.1	22.9	23.6	24.1	21.9	22.7	22.5	23.1	23.7
	8H	22.8	23.4	23.3	23.9	24.5	22.3	23.0	22.9	23.5	24.0













(END OF REPORT)