

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: P1526853

Luminaire Tested: 24CGTX-100HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526853
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

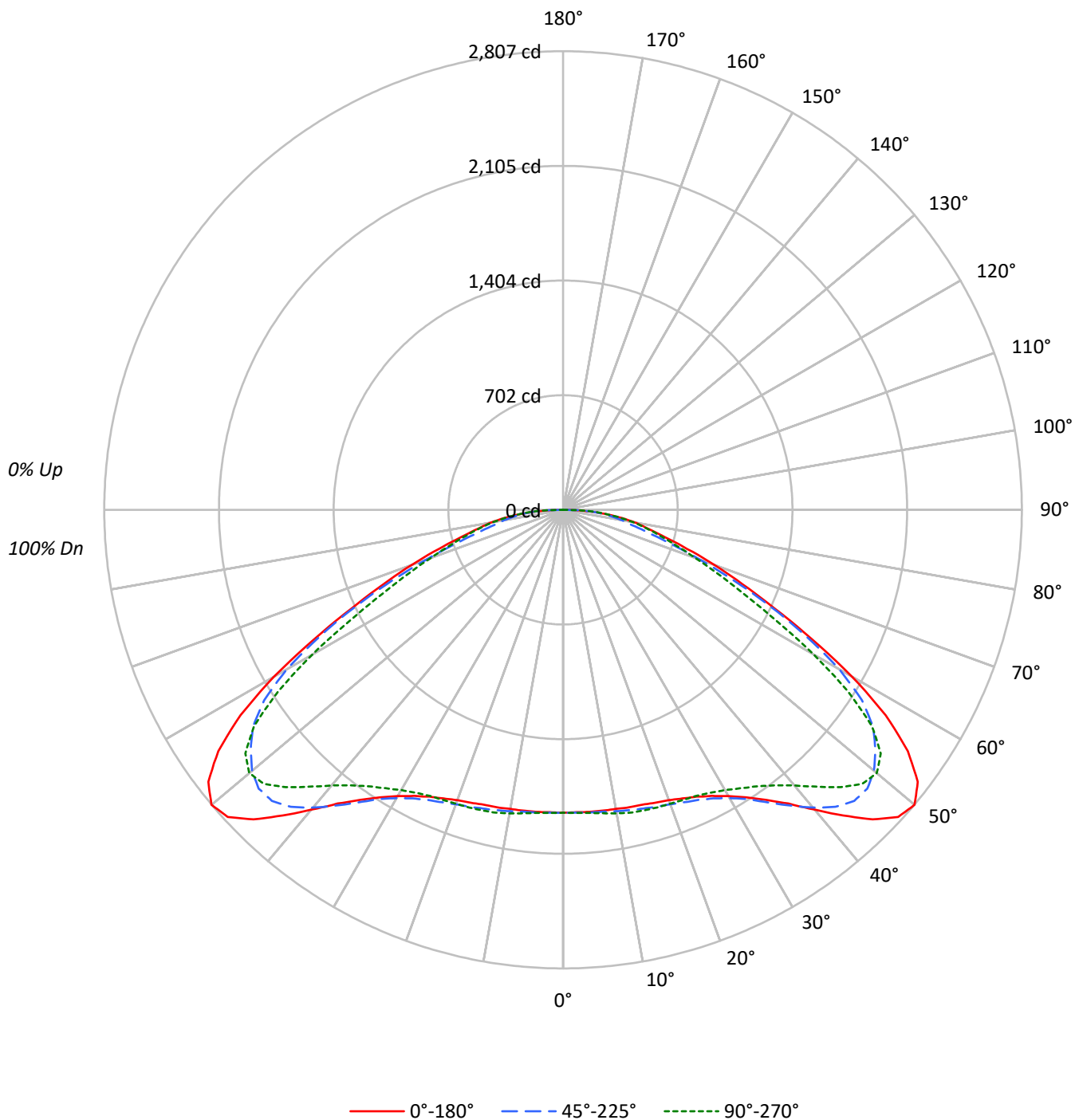
Lumens per Lamp: N/A
Luminaire Lumens: 9254.6 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2495	2495	2495
5°	2506	2511	2515
10°	2540	2559	2577
15°	2603	2636	2654
20°	2707	2746	2742
25°	2876	2909	2867
30°	3142	3164	3077
35°	3558	3590	3393
40°	4208	4179	3867
45°	5098	4793	4568
50°	5876	5199	5246
55°	6040	5431	5413
60°	5489	5248	4765
65°	4540	4459	3887
70°	3877	3492	3379
75°	3357	2782	3199
80°	3477	2818	3364
85°	3512	3389	3736

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 6046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	1.9
10°-20°	536.6	5.8
20°-30°	906.4	9.8
30°-40°	1364.4	14.7
40°-50°	1940.2	21.0
50°-60°	2082.2	22.5
60°-70°	1357.0	14.7
70°-80°	652.5	7.0
80°-90°	237.5	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°	1620.9	17.5
0°-40°	2985.4	32.3
0°-60°	7007.8	75.7
0°-90°	9254.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9254.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1856	1857	1859	1865	1862	177
15°	1868	1878	1892	1904	1905	531
25°	1937	1955	1960	1942	1931	902
35°	2166	2208	2186	2112	2066	1375
45°	2679	2614	2519	2453	2400	2057
55°	2575	2509	2315	2248	2307	2253
65°	1426	1415	1400	1250	1221	1443
75°	646	610	535	609	615	709
85°	228	213	220	226	242	248
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1854.0	1854.0	1854.0	1854.0	1854.0
2.5°	1852.4	1854.0	1855.6	1857.2	1857.2
5°	1855.6	1857.2	1858.8	1865.2	1862.0
7.5°	1857.2	1858.8	1863.6	1873.2	1873.2
10°	1858.8	1863.6	1873.2	1882.8	1886.0
12.5°	1865.2	1870.0	1882.8	1895.6	1898.8
15°	1868.4	1878.0	1892.4	1903.6	1905.2
17.5°	1879.6	1889.2	1905.2	1910.0	1910.0
20°	1890.8	1903.6	1918.0	1918.0	1914.8
22.5°	1911.6	1926.1	1937.3	1927.7	1921.3
25°	1937.3	1954.9	1959.7	1942.1	1930.9
27.5°	1974.1	1996.6	1990.2	1966.1	1951.7
30°	2022.2	2051.0	2036.6	2001.4	1980.5
32.5°	2086.3	2121.5	2097.5	2052.6	2020.6
35°	2166.4	2208.1	2185.6	2111.9	2065.5
37.5°	2265.8	2309.0	2281.8	2187.2	2124.8
40°	2395.6	2418.0	2379.5	2277.0	2201.7
42.5°	2536.6	2525.3	2466.1	2371.5	2297.8
45°	2679.2	2613.5	2518.9	2453.2	2400.4
47.5°	2781.7	2659.9	2525.3	2491.7	2482.1
50°	2807.4	2650.3	2483.7	2470.9	2506.1
52.5°	2735.3	2599.1	2408.4	2385.9	2450.0
55°	2575.0	2509.3	2315.4	2248.1	2307.4
57.5°	2339.5	2334.7	2168.0	2047.8	2063.9
60°	2039.8	2059.1	1950.1	1780.2	1770.6
62.5°	1716.1	1727.4	1679.3	1503.0	1469.4
65°	1426.1	1414.9	1400.5	1249.9	1221.0
67.5°	1187.4	1153.7	1131.3	1039.9	1025.5
70°	985.5	932.6	887.7	873.3	858.9
72.5°	798.0	759.5	687.4	727.5	725.9
75°	645.8	610.5	535.2	608.9	615.3
77.5°	528.8	504.7	432.6	499.9	520.8
80°	448.7	399.0	363.7	407.0	434.2
82.5°	342.9	304.5	296.4	314.1	339.7
85°	227.5	213.1	219.5	225.9	242.0
87.5°	115.4	123.4	133.0	144.2	152.2
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	19.6	21.4	19.9	21.7	22.0	18.7	20.4	19.0	20.8	21.1
	3H	20.7	22.3	21.1	22.6	23.0	19.8	21.4	20.2	21.7	22.1
	4H	21.1	22.6	21.5	22.9	23.3	20.3	21.8	20.7	22.1	22.5
	6H	21.4	22.8	21.8	23.2	23.6	20.7	22.1	21.1	22.5	22.9
	8H	21.6	22.9	22.0	23.3	23.7	20.9	22.3	21.3	22.6	23.0
	12H	21.7	23.0	22.1	23.4	23.8	21.1	22.4	21.5	22.8	23.2
4H	2H	20.0	21.5	20.4	21.9	22.2	19.2	20.7	19.6	21.1	21.5
	3H	21.3	22.5	21.7	22.9	23.3	20.5	21.8	20.9	22.2	22.6
	4H	21.8	22.9	22.2	23.3	23.8	21.1	22.3	21.6	22.7	23.1
	6H	22.3	23.3	22.7	23.7	24.2	21.7	22.7	22.2	23.2	23.6
	8H	22.5	23.4	22.9	23.9	24.3	22.0	22.9	22.4	23.4	23.8
	12H	22.7	23.5	23.2	24.0	24.5	22.2	23.1	22.7	23.5	24.0
8H	4H	21.9	22.9	22.4	23.3	23.8	21.3	22.3	21.8	22.7	23.2
	6H	22.5	23.3	23.0	23.8	24.3	22.0	22.8	22.5	23.3	23.8
	8H	22.8	23.5	23.3	24.0	24.5	22.4	23.1	22.9	23.6	24.1
	12H	23.1	23.8	23.6	24.2	24.8	22.7	23.4	23.2	23.9	24.4
12H	4H	22.0	22.8	22.4	23.3	23.8	21.4	22.2	21.8	22.7	23.2
	6H	22.6	23.3	23.1	23.8	24.3	22.1	22.8	22.6	23.3	23.8
	8H	22.9	23.6	23.4	24.1	24.6	22.5	23.2	23.0	23.6	24.2















(END OF REPORT)