

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: P1526852

Luminaire Tested: 24CGTX-100HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526852
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

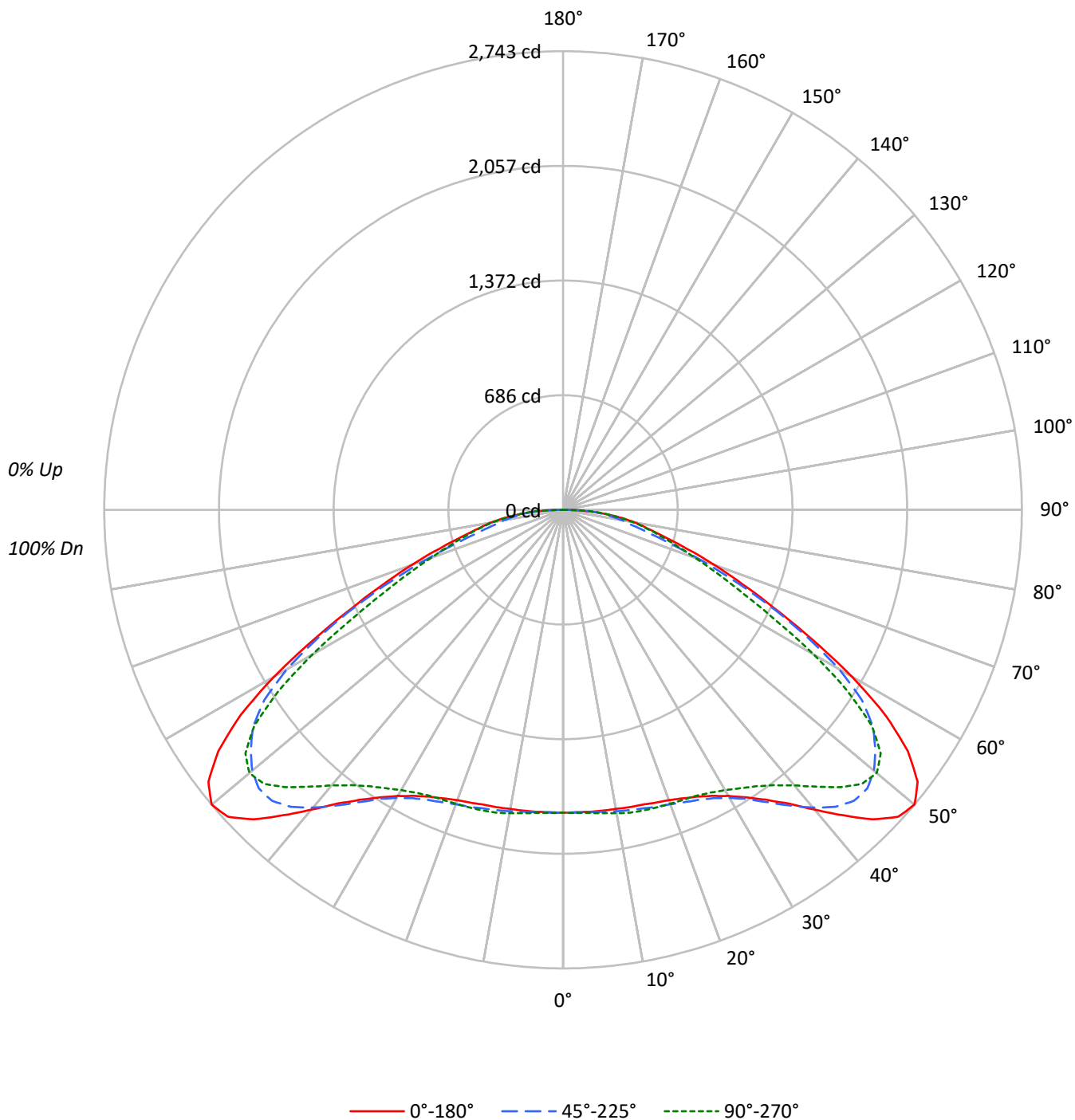
Lumens per Lamp: N/A
Luminaire Lumens: 9041.9 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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		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°	2437	2437	2437
5°	2449	2453	2457
10°	2481	2500	2517
15°	2543	2575	2593
20°	2645	2683	2679
25°	2810	2843	2801
30°	3070	3091	3006
35°	3477	3507	3315
40°	4111	4083	3778
45°	4981	4683	4462
50°	5741	5079	5125
55°	5902	5307	5288
60°	5363	5127	4655
65°	4436	4356	3798
70°	3788	3412	3301
75°	3280	2718	3125
80°	3397	2754	3288
85°	3432	3311	3649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	1.9
10°-20°	524.3	5.8
20°-30°	885.5	9.8
30°-40°	1333.1	14.7
40°-50°	1895.6	21.0
50°-60°	2034.4	22.5
60°-70°	1325.8	14.7
70°-80°	637.5	7.1
80°-90°	232.0	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°	1583.6	17.5
0°-40°	2916.7	32.3
0°-60°	6846.7	75.7
0°-90°	9041.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9041.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1811	1811	1811	1811	1811	
5°	1813	1814	1816	1822	1819	173
15°	1825	1835	1849	1860	1861	519
25°	1893	1910	1915	1897	1886	881
35°	2117	2157	2135	2063	2018	1344
45°	2618	2553	2461	2397	2345	2010
55°	2516	2452	2262	2196	2254	2201
65°	1393	1382	1368	1221	1193	1410
75°	631	596	523	595	601	693
85°	222	208	214	221	236	242
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1811.3	1811.3	1811.3	1811.3	1811.3
2.5°	1809.8	1811.3	1812.9	1814.5	1814.5
5°	1812.9	1814.5	1816.0	1822.3	1819.2
7.5°	1814.5	1816.0	1820.7	1830.1	1830.1
10°	1816.0	1820.7	1830.1	1839.5	1842.6
12.5°	1822.3	1827.0	1839.5	1852.0	1855.2
15°	1825.4	1834.8	1848.9	1859.9	1861.4
17.5°	1836.4	1845.8	1861.4	1866.1	1866.1
20°	1847.3	1859.9	1874.0	1874.0	1870.8
22.5°	1867.7	1881.8	1892.7	1883.3	1877.1
25°	1892.7	1910.0	1914.7	1897.4	1886.5
27.5°	1928.7	1950.7	1944.4	1920.9	1906.8
30°	1975.7	2003.9	1989.8	1955.4	1935.0
32.5°	2038.3	2072.8	2049.3	2005.5	1974.1
35°	2116.6	2157.3	2135.4	2063.4	2018.0
37.5°	2213.7	2255.9	2229.3	2137.0	2075.9
40°	2340.5	2362.4	2324.8	2224.6	2151.1
42.5°	2478.3	2467.3	2409.4	2317.0	2245.0
45°	2617.6	2553.4	2461.0	2396.8	2345.2
47.5°	2717.8	2598.8	2467.3	2434.4	2425.0
50°	2742.8	2589.4	2426.6	2414.1	2448.5
52.5°	2672.4	2539.3	2353.0	2331.1	2393.7
55°	2515.8	2451.6	2262.2	2196.5	2254.4
57.5°	2285.7	2281.0	2118.2	2000.8	2016.4
60°	1992.9	2011.7	1905.3	1739.3	1729.9
62.5°	1676.7	1687.7	1640.7	1468.5	1435.6
65°	1393.3	1382.4	1368.3	1221.1	1192.9
67.5°	1160.1	1127.2	1105.3	1016.0	1001.9
70°	962.8	911.1	867.3	853.2	839.1
72.5°	779.6	742.1	671.6	710.8	709.2
75°	630.9	596.5	522.9	594.9	601.2
77.5°	516.6	493.1	422.7	488.4	508.8
80°	438.4	389.8	355.4	397.6	424.3
82.5°	335.0	297.5	289.6	306.8	331.9
85°	222.3	208.2	214.5	220.7	236.4
87.5°	112.7	120.5	129.9	140.9	148.7
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	19.5	21.3	19.9	21.6	21.9	18.6	20.4	18.9	20.7	21.0
	3H	20.6	22.2	21.0	22.5	22.9	19.7	21.3	20.1	21.7	22.0
	4H	21.0	22.5	21.4	22.9	23.2	20.2	21.7	20.6	22.1	22.4
	6H	21.3	22.8	21.8	23.1	23.5	20.6	22.0	21.0	22.4	22.8
	8H	21.5	22.9	21.9	23.2	23.6	20.8	22.2	21.2	22.6	23.0
	12H	21.6	22.9	22.1	23.3	23.7	21.0	22.3	21.4	22.7	23.1
4H	2H	19.9	21.4	20.3	21.8	22.1	19.1	20.7	19.5	21.0	21.4
	3H	21.2	22.5	21.6	22.9	23.3	20.5	21.7	20.9	22.1	22.5
	4H	21.7	22.8	22.1	23.3	23.7	21.0	22.2	21.5	22.6	23.0
	6H	22.2	23.2	22.6	23.6	24.1	21.6	22.6	22.1	23.1	23.5
	8H	22.4	23.4	22.9	23.8	24.3	21.9	22.8	22.3	23.3	23.7
	12H	22.6	23.5	23.1	23.9	24.4	22.1	23.0	22.6	23.5	23.9
8H	4H	21.8	22.8	22.3	23.2	23.7	21.3	22.2	21.7	22.6	23.1
	6H	22.4	23.2	22.9	23.7	24.2	22.0	22.8	22.4	23.2	23.7
	8H	22.7	23.5	23.2	24.0	24.4	22.3	23.0	22.8	23.5	24.0
	12H	23.0	23.7	23.5	24.2	24.7	22.7	23.3	23.2	23.8	24.4
12H	4H	21.9	22.7	22.4	23.2	23.7	21.3	22.2	21.8	22.6	23.1
	6H	22.5	23.2	23.0	23.7	24.2	22.0	22.8	22.5	23.2	23.7
	8H	22.9	23.5	23.4	24.0	24.5	22.4	23.1	22.9	23.6	24.1















(END OF REPORT)