

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: P1526849

Luminaire Tested: 24CGTX-100HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526849
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

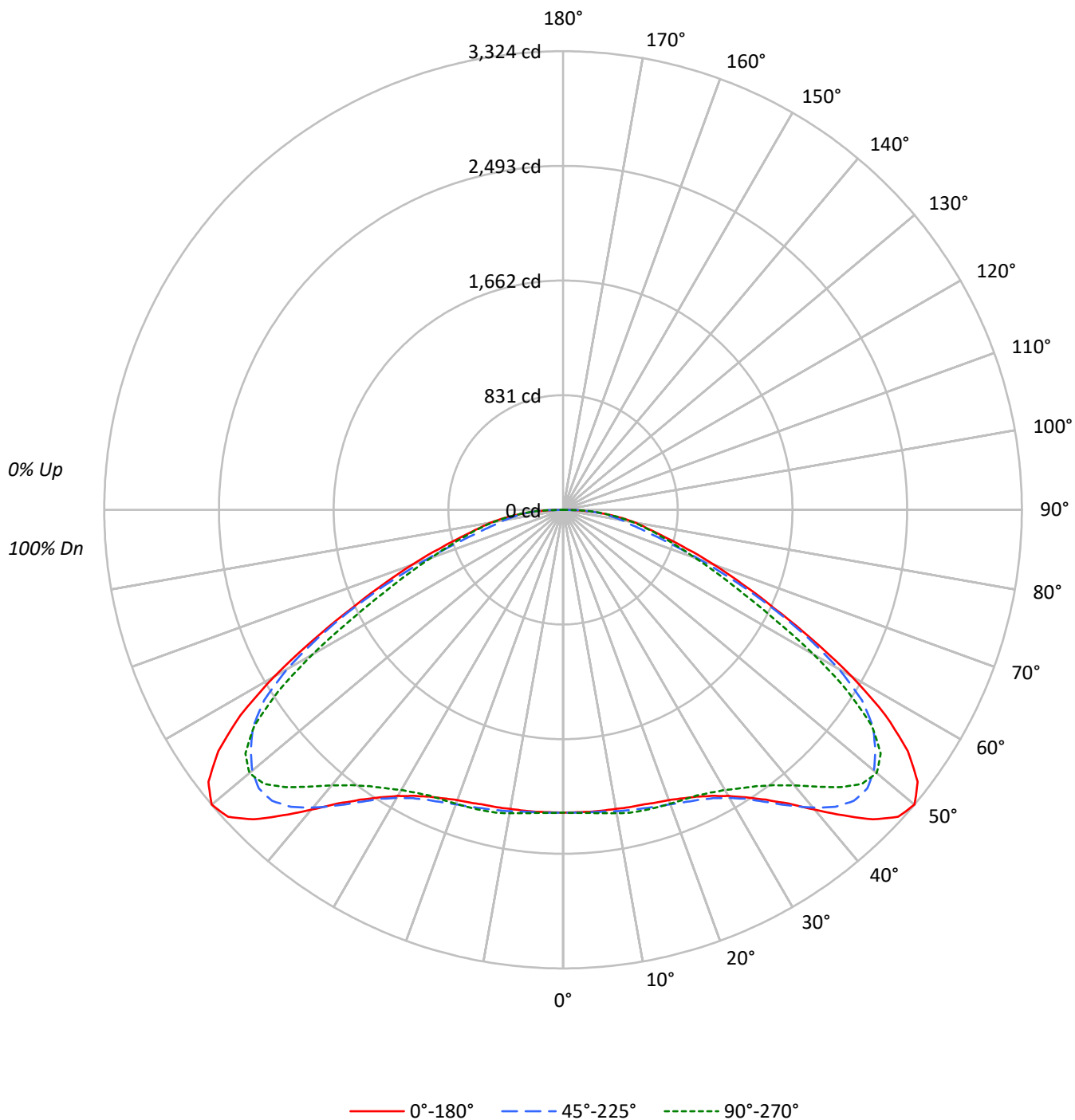
Lumens per Lamp: N/A
Luminaire Lumens: 10956.7 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2953	2953	2953
5°	2967	2972	2977
10°	3007	3030	3051
15°	3081	3121	3142
20°	3205	3251	3246
25°	3405	3444	3394
30°	3720	3746	3643
35°	4213	4250	4017
40°	4981	4948	4578
45°	6036	5675	5407
50°	6957	6155	6211
55°	7151	6431	6408
60°	6499	6213	5641
65°	5375	5279	4602
70°	4590	4135	4000
75°	3974	3294	3787
80°	4116	3336	3983
85°	4159	4012	4423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 7157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.7	1.9
10°-20°	635.3	5.8
20°-30°	1073.1	9.8
30°-40°	1615.4	14.7
40°-50°	2297.0	21.0
50°-60°	2465.2	22.5
60°-70°	1606.5	14.7
70°-80°	772.5	7.1
80°-90°	281.1	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°	1919.0	17.5
0°-40°	3534.4	32.3
0°-60°	8296.6	75.7
0°-90°	10956.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10956.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2197	2199	2201	2208	2204	210
15°	2212	2223	2240	2254	2256	629
25°	2294	2314	2320	2299	2286	1068
35°	2565	2614	2588	2500	2445	1628
45°	3172	3094	2982	2904	2842	2435
55°	3049	2971	2741	2662	2732	2667
65°	1688	1675	1658	1480	1446	1709
75°	764	723	634	721	728	840
85°	269	252	260	268	286	293
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2194.9	2194.9	2194.9	2194.9	2194.9
2.5°	2193.0	2194.9	2196.8	2198.7	2198.7
5°	2196.8	2198.7	2200.6	2208.2	2204.4
7.5°	2198.7	2200.6	2206.3	2217.7	2217.7
10°	2200.6	2206.3	2217.7	2229.1	2232.9
12.5°	2208.2	2213.9	2229.1	2244.2	2248.0
15°	2212.0	2223.4	2240.4	2253.7	2255.6
17.5°	2225.3	2236.6	2255.6	2261.3	2261.3
20°	2238.5	2253.7	2270.8	2270.8	2267.0
22.5°	2263.2	2280.3	2293.6	2282.2	2274.6
25°	2293.6	2314.4	2320.1	2299.2	2286.0
27.5°	2337.2	2363.7	2356.2	2327.7	2310.6
30°	2394.1	2428.2	2411.2	2369.4	2344.8
32.5°	2470.0	2511.7	2483.3	2430.1	2392.2
35°	2564.8	2614.2	2587.6	2500.3	2445.3
37.5°	2682.5	2733.7	2701.4	2589.5	2515.5
40°	2836.1	2862.7	2817.1	2695.7	2606.6
42.5°	3003.1	2989.8	2919.6	2807.7	2720.4
45°	3171.9	3094.1	2982.2	2904.4	2841.8
47.5°	3293.3	3149.1	2989.8	2949.9	2938.6
50°	3323.7	3137.8	2940.5	2925.3	2967.0
52.5°	3238.3	3077.0	2851.3	2824.7	2900.6
55°	3048.6	2970.8	2741.3	2661.6	2731.8
57.5°	2769.7	2764.0	2566.7	2424.5	2443.4
60°	2415.0	2437.7	2308.7	2107.6	2096.3
62.5°	2031.8	2045.0	1988.1	1779.5	1739.6
65°	1688.4	1675.1	1658.0	1479.7	1445.6
67.5°	1405.7	1365.9	1339.3	1231.2	1214.1
70°	1166.7	1104.1	1051.0	1033.9	1016.8
72.5°	944.7	899.2	813.8	861.3	859.4
75°	764.5	722.8	633.6	720.9	728.5
77.5°	626.0	597.6	512.2	591.9	616.5
80°	531.2	472.4	430.6	481.9	514.1
82.5°	406.0	360.4	351.0	371.8	402.2
85°	269.4	252.3	259.9	267.5	286.5
87.5°	136.6	146.1	157.5	170.7	180.2
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	20.2	21.9	20.5	22.3	22.6	19.2	21.0	19.6	21.3	21.7
	3H	21.3	22.9	21.6	23.2	23.6	20.4	22.0	20.8	22.3	22.7
	4H	21.7	23.2	22.1	23.5	23.9	20.8	22.4	21.2	22.7	23.1
	6H	22.0	23.4	22.4	23.8	24.2	21.3	22.7	21.7	23.1	23.5
	8H	22.2	23.5	22.6	23.9	24.3	21.5	22.8	21.9	23.2	23.6
	12H	22.3	23.6	22.7	24.0	24.4	21.7	23.0	22.1	23.3	23.8
4H	2H	20.6	22.1	21.0	22.4	22.8	19.8	21.3	20.2	21.7	22.1
	3H	21.8	23.1	22.3	23.5	23.9	21.1	22.4	21.5	22.8	23.2
	4H	22.4	23.5	22.8	23.9	24.4	21.7	22.9	22.1	23.3	23.7
	6H	22.8	23.9	23.3	24.3	24.8	22.3	23.3	22.7	23.7	24.2
	8H	23.1	24.0	23.5	24.5	24.9	22.5	23.5	23.0	23.9	24.4
	12H	23.3	24.1	23.7	24.6	25.1	22.8	23.7	23.3	24.1	24.6
8H	4H	22.5	23.5	23.0	23.9	24.4	21.9	22.9	22.4	23.3	23.8
	6H	23.1	23.9	23.6	24.4	24.9	22.6	23.4	23.1	23.9	24.4
	8H	23.4	24.1	23.9	24.6	25.1	23.0	23.7	23.5	24.2	24.7
	12H	23.7	24.3	24.2	24.8	25.4	23.3	24.0	23.8	24.5	25.0
12H	4H	22.5	23.4	23.0	23.9	24.3	22.0	22.8	22.4	23.3	23.8
	6H	23.2	23.9	23.7	24.4	24.9	22.7	23.4	23.2	23.9	24.4
	8H	23.5	24.2	24.0	24.6	25.2	23.1	23.7	23.6	24.2	24.8













(END OF REPORT)