

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: P1526855

Luminaire Tested: 24CGTX-20-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526855
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-20-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

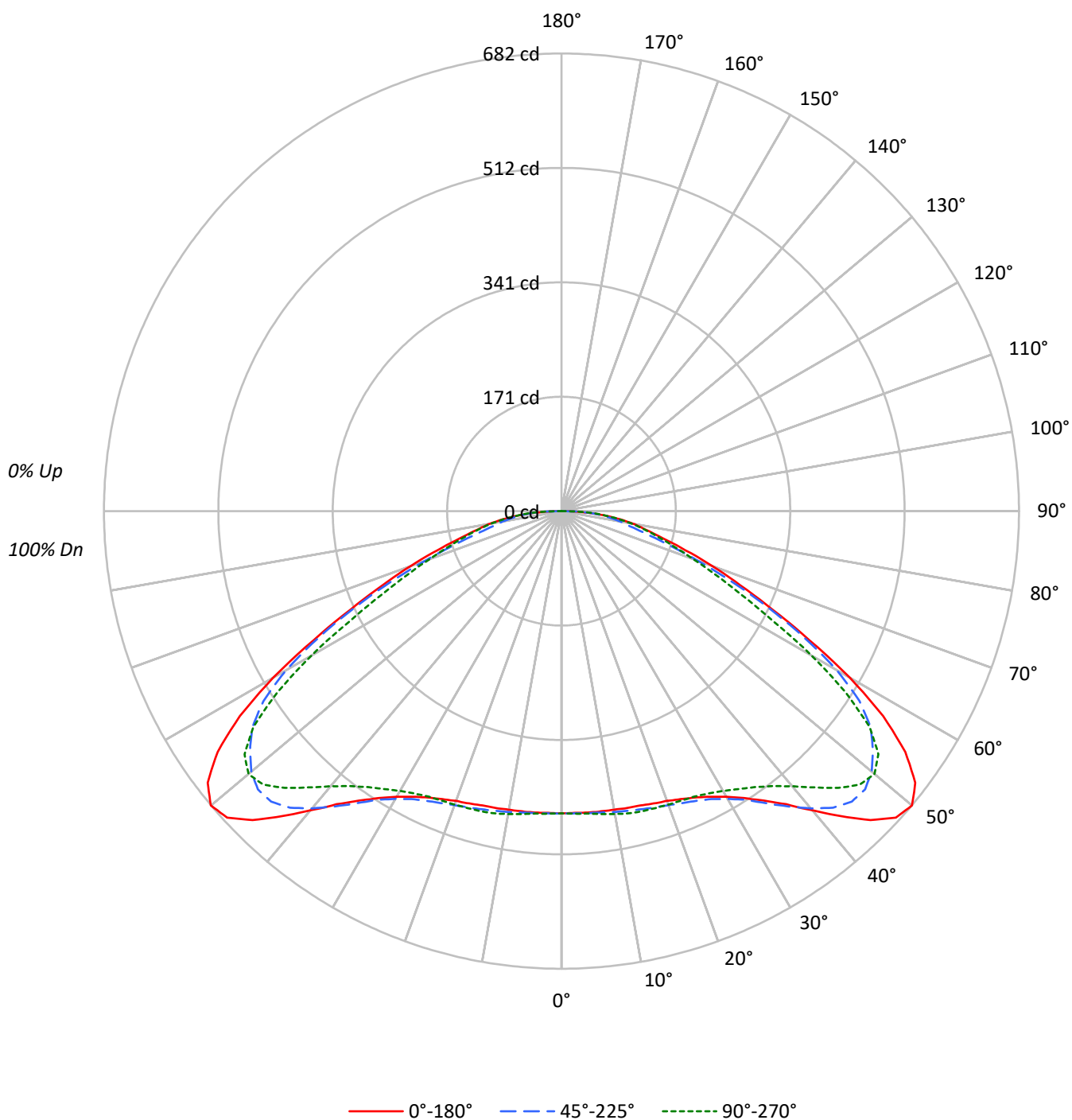
Lumens per Lamp: N/A
Luminaire Lumens: 2248.9 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): =20%
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°	606	606	606
5°	609	610	611
10°	617	622	626
15°	632	641	645
20°	658	667	666
25°	699	707	697
30°	763	769	748
35°	865	872	824
40°	1022	1016	940
45°	1239	1165	1110
50°	1428	1263	1275
55°	1468	1320	1315
60°	1334	1275	1158
65°	1103	1083	945
70°	942	849	821
75°	816	676	777
80°	845	685	817
85°	854	823	908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1469 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.9
10°-20°	130.4	5.8
20°-30°	220.3	9.8
30°-40°	331.6	14.7
40°-50°	471.5	21.0
50°-60°	506.0	22.5
60°-70°	329.8	14.7
70°-80°	158.6	7.1
80°-90°	57.7	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°	393.9	17.5
0°-40°	725.5	32.3
0°-60°	1702.9	75.7
0°-90°	2248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2248.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	451	451	452	453	452	43
15°	454	456	460	463	463	129
25°	471	475	476	472	469	219
35°	526	537	531	513	502	334
45°	651	635	612	596	583	500
55°	626	610	563	546	561	547
65°	347	344	340	304	297	351
75°	157	148	130	148	150	172
85°	55	52	53	55	59	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	450.5	450.5	450.5	450.5	450.5
2.5°	450.1	450.5	450.9	451.3	451.3
5°	450.9	451.3	451.7	453.2	452.5
7.5°	451.3	451.7	452.9	455.2	455.2
10°	451.7	452.9	455.2	457.5	458.3
12.5°	453.2	454.4	457.5	460.6	461.4
15°	454.0	456.4	459.9	462.6	463.0
17.5°	456.8	459.1	463.0	464.1	464.1
20°	459.5	462.6	466.1	466.1	465.3
22.5°	464.5	468.0	470.8	468.4	466.9
25°	470.8	475.1	476.2	471.9	469.2
27.5°	479.7	485.2	483.6	477.8	474.3
30°	491.4	498.4	494.9	486.3	481.3
32.5°	507.0	515.5	509.7	498.8	491.0
35°	526.5	536.6	531.1	513.2	501.9
37.5°	550.6	561.1	554.5	531.5	516.3
40°	582.1	587.6	578.2	553.3	535.0
42.5°	616.4	613.7	599.3	576.3	558.4
45°	651.1	635.1	612.1	596.2	583.3
47.5°	676.0	646.4	613.7	605.5	603.2
50°	682.2	644.0	603.5	600.4	609.0
52.5°	664.7	631.6	585.2	579.8	595.4
55°	625.7	609.8	562.7	546.3	560.7
57.5°	568.5	567.3	526.8	497.6	501.5
60°	495.7	500.4	473.9	432.6	430.3
62.5°	417.0	419.8	408.1	365.2	357.1
65°	346.6	343.8	340.3	303.7	296.7
67.5°	288.5	280.4	274.9	252.7	249.2
70°	239.5	226.6	215.7	212.2	208.7
72.5°	193.9	184.6	167.0	176.8	176.4
75°	156.9	148.4	130.1	148.0	149.5
77.5°	128.5	122.7	105.1	121.5	126.6
80°	109.0	97.0	88.4	98.9	105.5
82.5°	83.3	74.0	72.0	76.3	82.6
85°	55.3	51.8	53.3	54.9	58.8
87.5°	28.0	30.0	32.3	35.0	37.0
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	14.7	16.4	15.0	16.8	17.1	13.7	15.5	14.1	15.8	16.2
	3H	15.8	17.4	16.1	17.7	18.1	14.9	16.5	15.3	16.8	17.2
	4H	16.2	17.7	16.5	18.0	18.4	15.3	16.9	15.7	17.2	17.6
	6H	16.5	17.9	16.9	18.3	18.7	15.8	17.2	16.2	17.6	18.0
	8H	16.7	18.0	17.1	18.4	18.8	16.0	17.3	16.4	17.7	18.1
	12H	16.8	18.1	17.2	18.5	18.9	16.2	17.5	16.6	17.8	18.3
4H	2H	15.1	16.6	15.5	16.9	17.3	14.3	15.8	14.7	16.2	16.6
	3H	16.3	17.6	16.8	18.0	18.4	15.6	16.9	16.0	17.3	17.7
	4H	16.8	18.0	17.3	18.4	18.9	16.2	17.4	16.6	17.8	18.2
	6H	17.3	18.4	17.8	18.8	19.2	16.8	17.8	17.2	18.2	18.7
	8H	17.6	18.5	18.0	19.0	19.4	17.0	18.0	17.5	18.4	18.9
	12H	17.8	18.6	18.2	19.1	19.6	17.3	18.2	17.8	18.6	19.1
8H	4H	17.0	18.0	17.5	18.4	18.9	16.4	17.4	16.9	17.8	18.3
	6H	17.6	18.4	18.1	18.9	19.4	17.1	17.9	17.6	18.4	18.9
	8H	17.9	18.6	18.4	19.1	19.6	17.5	18.2	18.0	18.7	19.2
	12H	18.2	18.8	18.7	19.3	19.9	17.8	18.5	18.3	19.0	19.5
12H	4H	17.0	17.9	17.5	18.4	18.8	16.5	17.3	16.9	17.8	18.3
	6H	17.7	18.4	18.2	18.9	19.4	17.2	17.9	17.7	18.4	18.9
	8H	18.0	18.7	18.5	19.1	19.7	17.6	18.2	18.1	18.7	19.3











(END OF REPORT)