

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: P1526799

Luminaire Tested: 22CGTX-25-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-25-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

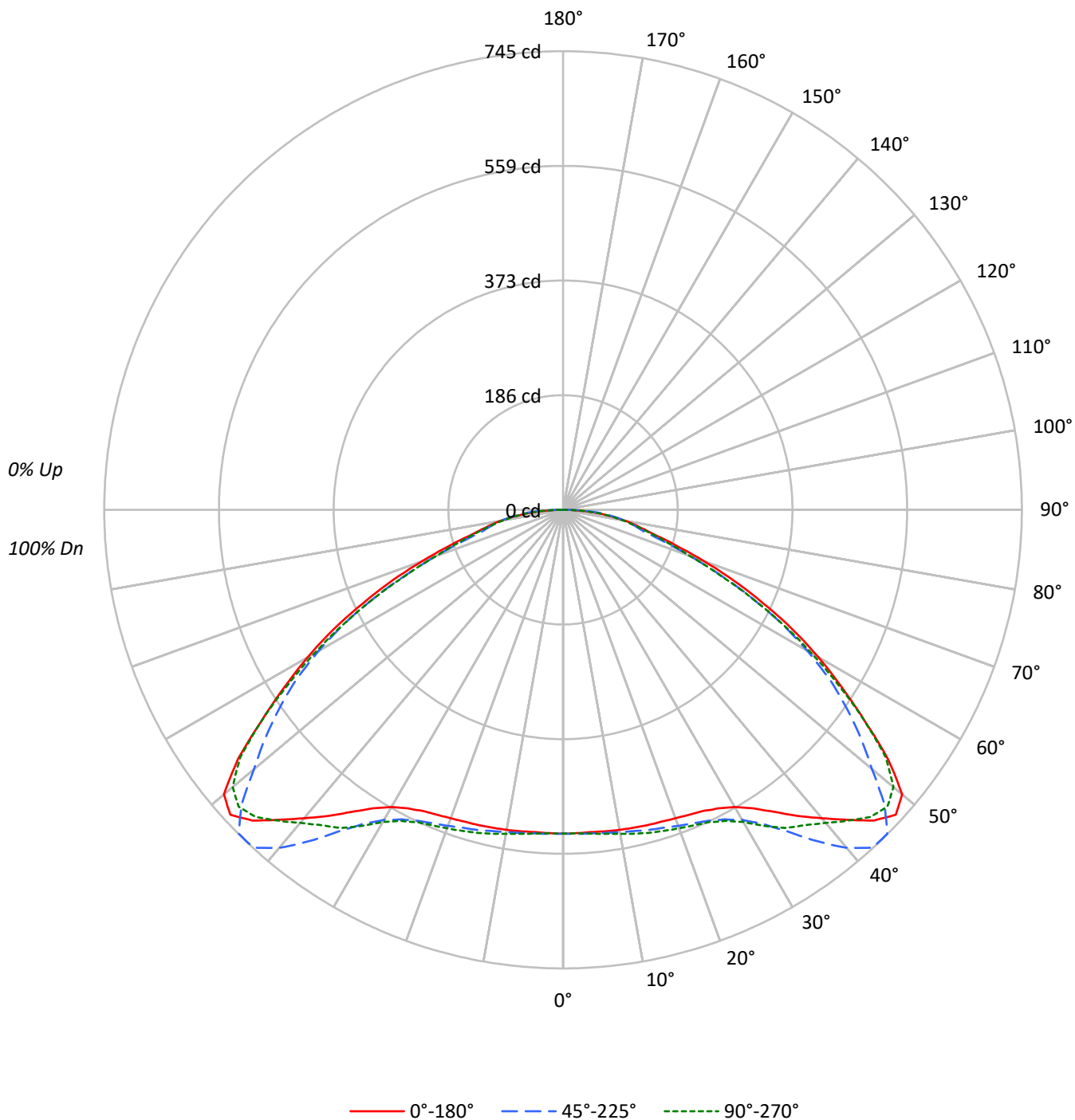
Lumens per Lamp: N/A
Luminaire Lumens: 2488.8 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82			
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67			
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55			
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	46			
5	73	59	49	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38			
6	67	52	43	36	65	52	42	36	50	42	36	48	41	35	46	40	35	33			
7	61	47	38	31	60	46	37	31	45	37	31	43	36	30	42	35	30	28			
8	57	42	33	27	55	42	33	27	40	32	27	39	32	27	38	31	26	24			
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	21			
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	19			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1415	1415	1415
5°	1420	1425	1426
10°	1442	1453	1461
15°	1477	1500	1513
20°	1527	1564	1576
25°	1602	1655	1662
30°	1732	1807	1819
35°	1967	2097	2073
40°	2297	2518	2332
45°	2716	2834	2685
50°	3009	2741	2932
55°	2806	2640	2803
60°	2576	2464	2510
65°	2278	2149	2146
70°	1909	1720	1724
75°	1569	1408	1520
80°	1595	1588	1522
85°	1568	1886	1596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	2.0
10°-20°	152.5	6.1
20°-30°	257.9	10.4
30°-40°	396.6	15.9
40°-50°	551.1	22.1
50°-60°	518.8	20.8
60°-70°	342.6	13.8
70°-80°	159.2	6.4
80°-90°	59.6	2.4
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°	460.9	18.5
0°-40°	857.5	34.5
0°-60°	1927.4	77.4
0°-90°	2488.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2488.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	526	526	526	526	526	
5°	526	527	527	528	528	50
15°	530	533	538	542	543	150
25°	540	547	558	561	560	251
35°	599	620	638	636	631	379
45°	714	739	745	727	706	546
55°	598	590	563	582	598	536
65°	358	354	338	343	337	355
75°	151	145	135	140	146	169
85°	51	58	61	59	52	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	526.0	526.0	526.0	526.0	526.0
2.5°	525.6	526.5	527.0	527.4	526.0
5°	525.6	527.0	527.4	528.4	527.9
7.5°	526.5	527.9	529.3	530.3	530.7
10°	527.9	529.3	531.7	534.5	534.5
12.5°	528.9	531.2	534.5	538.3	538.7
15°	530.3	532.6	538.3	542.0	543.0
17.5°	531.2	535.0	541.5	546.2	546.7
20°	533.1	537.3	546.2	550.5	550.5
22.5°	535.9	541.5	550.9	554.7	554.7
25°	539.7	546.7	557.5	560.8	559.9
27.5°	546.7	555.2	566.9	570.7	569.7
30°	557.5	568.8	581.5	586.2	585.3
32.5°	574.9	589.0	605.0	609.2	608.8
35°	598.9	620.0	638.4	636.0	630.9
37.5°	626.6	658.1	678.8	656.7	645.4
40°	653.9	696.7	716.9	681.2	663.8
42.5°	683.0	726.8	744.2	709.4	684.9
45°	713.6	739.0	744.6	726.8	705.6
47.5°	732.9	719.7	707.5	718.3	714.1
50°	718.8	674.6	654.8	675.5	700.4
52.5°	665.2	632.7	609.7	629.0	660.5
55°	598.0	589.5	562.7	582.0	597.5
57.5°	536.4	543.0	513.8	528.4	530.7
60°	478.6	483.3	457.9	470.1	466.3
62.5°	419.8	420.3	400.5	407.6	401.9
65°	357.7	354.4	337.5	342.7	337.1
67.5°	299.4	291.9	275.9	278.3	273.1
70°	242.6	233.6	218.6	221.9	219.1
72.5°	191.8	184.7	171.6	175.8	178.6
75°	150.9	145.3	135.4	139.6	146.2
77.5°	125.0	118.0	118.9	116.1	120.8
80°	102.9	98.7	102.5	99.7	98.2
82.5°	76.6	80.9	82.3	83.7	76.6
85°	50.8	58.3	61.1	59.2	51.7
87.5°	24.9	31.5	32.4	32.0	26.8
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	16.4	18.2	16.8	18.5	18.8	16.3	18.0	16.6	18.3	18.6
	3H	17.7	19.3	18.1	19.6	20.0	17.4	19.0	17.8	19.3	19.7
	4H	18.1	19.6	18.5	19.9	20.3	17.8	19.3	18.2	19.7	20.0
	6H	18.4	19.8	18.8	20.2	20.6	18.2	19.6	18.6	19.9	20.3
	8H	18.6	19.9	19.0	20.3	20.7	18.3	19.7	18.7	20.0	20.4
	12H	18.7	20.0	19.1	20.4	20.8	18.5	19.7	18.9	20.1	20.5
4H	2H	16.9	18.4	17.3	18.7	19.1	16.7	18.2	17.1	18.6	19.0
	3H	18.3	19.6	18.7	20.0	20.4	18.1	19.3	18.5	19.7	20.1
	4H	18.8	20.0	19.2	20.4	20.8	18.6	19.7	19.0	20.1	20.5
	6H	19.3	20.3	19.7	20.7	21.2	19.1	20.1	19.5	20.5	20.9
	8H	19.5	20.4	20.0	20.9	21.3	19.3	20.2	19.7	20.7	21.1
	12H	19.7	20.5	20.2	21.0	21.5	19.5	20.3	20.0	20.8	21.3
8H	4H	19.0	19.9	19.5	20.4	20.8	18.8	19.7	19.2	20.1	20.6
	6H	19.6	20.4	20.1	20.9	21.3	19.4	20.2	19.9	20.7	21.1
	8H	19.9	20.6	20.4	21.1	21.6	19.7	20.4	20.2	20.9	21.4
	12H	20.2	20.8	20.7	21.3	21.9	20.1	20.7	20.6	21.2	21.7
12H	4H	19.0	19.9	19.5	20.3	20.8	18.8	19.7	19.3	20.1	20.6
	6H	19.7	20.4	20.2	20.9	21.4	19.5	20.2	20.0	20.7	21.2
	8H	20.1	20.7	20.6	21.2	21.7	19.9	20.5	20.4	21.0	21.6













(END OF REPORT)