

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: P1526804

Luminaire Tested: 22CGTX-25HE-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526804
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-25HE-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

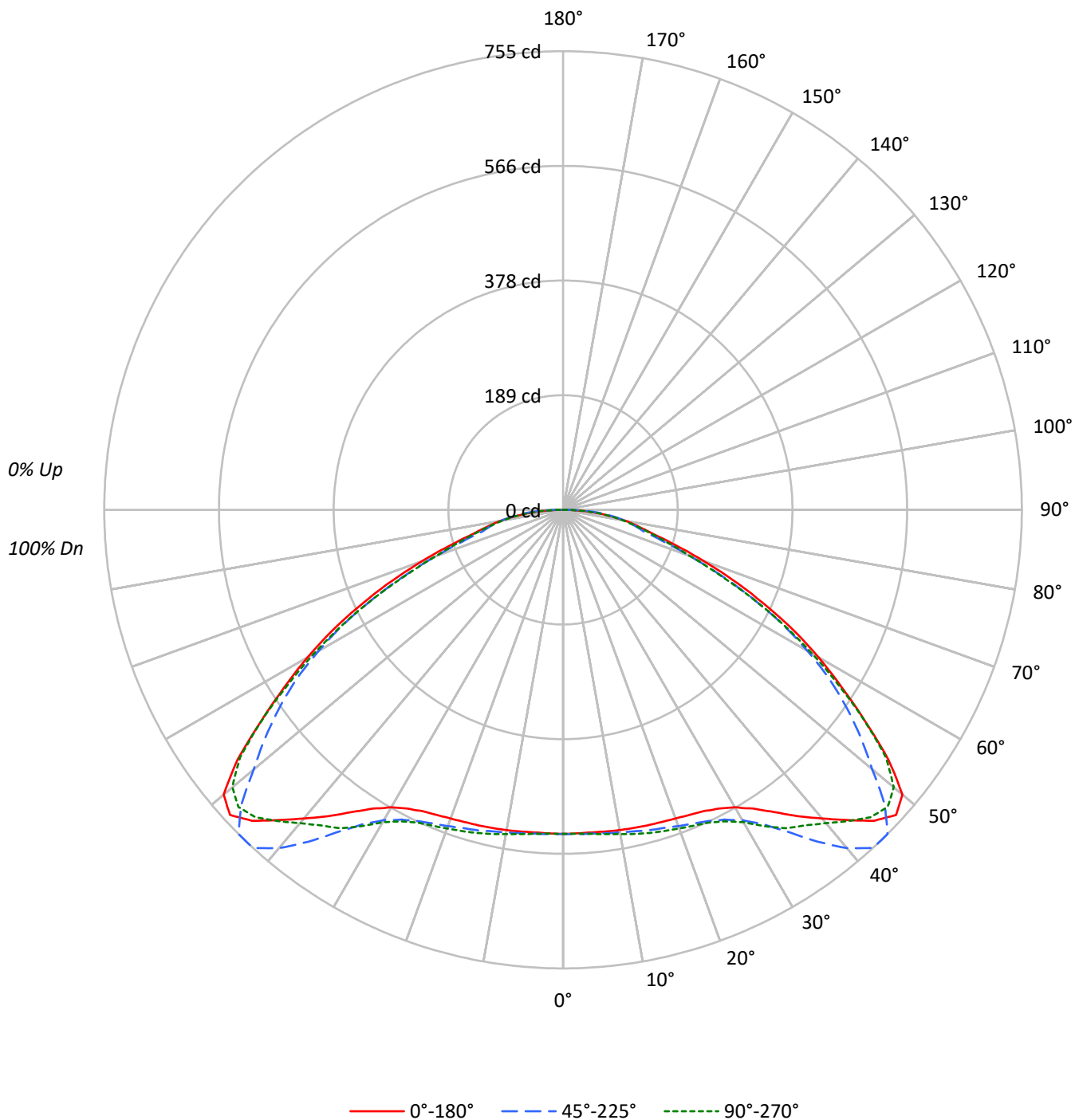
Lumens per Lamp: N/A
Luminaire Lumens: 2524.3 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1436	1436	1436
5°	1440	1445	1446
10°	1463	1474	1481
15°	1498	1521	1534
20°	1548	1586	1599
25°	1625	1679	1686
30°	1757	1833	1844
35°	1995	2127	2102
40°	2330	2554	2365
45°	2755	2874	2724
50°	3052	2781	2974
55°	2845	2677	2843
60°	2612	2499	2546
65°	2310	2180	2177
70°	1936	1744	1748
75°	1592	1428	1542
80°	1618	1610	1545
85°	1590	1914	1618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	2.0
10°-20°	154.7	6.1
20°-30°	261.6	10.4
30°-40°	402.2	15.9
40°-50°	559.0	22.1
50°-60°	526.2	20.8
60°-70°	347.5	13.8
70°-80°	161.5	6.4
80°-90°	60.4	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°	467.5	18.5
0°-40°	869.7	34.5
0°-60°	1954.9	77.4
0°-90°	2524.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2524.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	533	534	535	536	535	51
15°	538	540	546	550	551	153
25°	547	554	566	569	568	255
35°	607	629	648	645	640	385
45°	724	750	755	737	716	554
55°	606	598	571	590	606	543
65°	363	360	342	348	342	360
75°	153	147	137	142	148	171
85°	52	59	62	60	52	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	533.5	533.5	533.5	533.5	533.5
2.5°	533.1	534.0	534.5	535.0	533.5
5°	533.1	534.5	535.0	535.9	535.4
7.5°	534.0	535.4	536.9	537.8	538.3
10°	535.4	536.9	539.3	542.1	542.1
12.5°	536.4	538.8	542.1	545.9	546.4
15°	537.8	540.2	545.9	549.7	550.7
17.5°	538.8	542.6	549.3	554.0	554.5
20°	540.7	545.0	554.0	558.3	558.3
22.5°	543.5	549.3	558.8	562.6	562.6
25°	547.4	554.5	565.5	568.8	567.9
27.5°	554.5	563.1	575.0	578.8	577.9
30°	565.5	576.9	589.8	594.6	593.6
32.5°	583.1	597.4	613.6	617.9	617.5
35°	607.4	628.9	647.5	645.1	639.9
37.5°	635.6	667.5	688.5	666.1	654.6
40°	663.2	706.6	727.1	690.9	673.2
42.5°	692.8	737.1	754.8	719.5	694.7
45°	723.8	749.5	755.2	737.1	715.7
47.5°	743.3	730.0	717.6	728.5	724.3
50°	729.0	684.2	664.2	685.2	710.4
52.5°	674.7	641.8	618.4	638.0	669.9
55°	606.5	597.9	570.7	590.3	606.0
57.5°	544.0	550.7	521.1	535.9	538.3
60°	485.4	490.1	464.4	476.8	473.0
62.5°	425.8	426.3	406.2	413.4	407.7
65°	362.8	359.5	342.3	347.6	341.9
67.5°	303.7	296.1	279.9	282.3	277.0
70°	246.0	237.0	221.7	225.0	222.2
72.5°	194.5	187.4	174.0	178.3	181.2
75°	153.1	147.3	137.3	141.6	148.3
77.5°	126.8	119.7	120.6	117.8	122.5
80°	104.4	100.1	103.9	101.1	99.7
82.5°	77.7	82.0	83.4	84.9	77.7
85°	51.5	59.1	62.0	60.1	52.4
87.5°	25.3	31.9	32.9	32.4	27.2
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	16.5	18.2	16.8	18.5	18.9	16.3	18.1	16.7	18.4	18.7
	3H	17.8	19.3	18.1	19.7	20.0	17.5	19.1	17.9	19.4	19.7
	4H	18.1	19.6	18.5	20.0	20.4	17.9	19.4	18.3	19.7	20.1
	6H	18.5	19.9	18.9	20.2	20.6	18.2	19.6	18.6	20.0	20.4
	8H	18.6	20.0	19.1	20.4	20.8	18.4	19.7	18.8	20.1	20.5
	12H	18.8	20.0	19.2	20.4	20.8	18.5	19.8	18.9	20.2	20.6
4H	2H	16.9	18.4	17.3	18.8	19.1	16.8	18.3	17.2	18.6	19.0
	3H	18.4	19.6	18.8	20.0	20.4	18.1	19.4	18.5	19.8	20.2
	4H	18.9	20.0	19.3	20.4	20.8	18.6	19.8	19.0	20.2	20.6
	6H	19.3	20.3	19.8	20.8	21.2	19.1	20.1	19.6	20.5	21.0
	8H	19.6	20.5	20.0	20.9	21.4	19.3	20.3	19.8	20.7	21.2
	12H	19.7	20.6	20.2	21.1	21.5	19.5	20.4	20.0	20.9	21.3
8H	4H	19.1	20.0	19.5	20.4	20.9	18.8	19.8	19.3	20.2	20.7
	6H	19.7	20.4	20.2	20.9	21.4	19.5	20.2	19.9	20.7	21.2
	8H	20.0	20.7	20.5	21.2	21.7	19.8	20.5	20.3	21.0	21.5
	12H	20.3	20.9	20.8	21.4	21.9	20.1	20.7	20.6	21.2	21.8
12H	4H	19.1	19.9	19.6	20.4	20.9	18.9	19.7	19.3	20.2	20.6
	6H	19.7	20.4	20.3	20.9	21.4	19.5	20.2	20.1	20.7	21.2
	8H	20.1	20.7	20.6	21.2	21.8	19.9	20.6	20.4	21.1	21.6













(END OF REPORT)