

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: P1526801

Luminaire Tested: 22CGTX-25-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526801
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

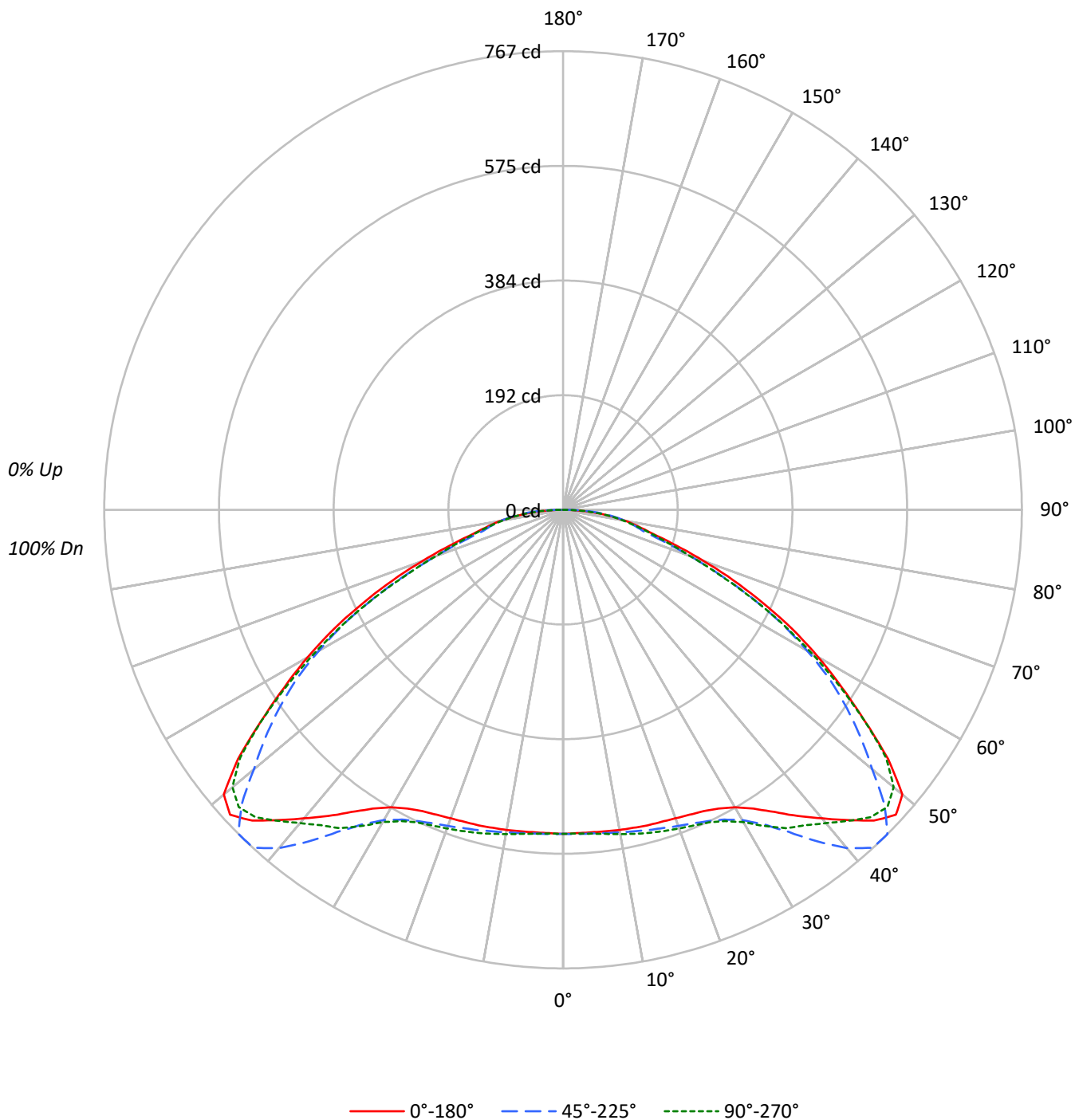
Lumens per Lamp: N/A
Luminaire Lumens: 2563.5 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
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°	1458	1458	1458
5°	1462	1468	1469
10°	1486	1496	1504
15°	1522	1545	1558
20°	1572	1611	1624
25°	1651	1705	1712
30°	1785	1861	1873
35°	2027	2160	2135
40°	2366	2594	2402
45°	2797	2919	2766
50°	3099	2824	3020
55°	2890	2719	2887
60°	2653	2538	2585
65°	2346	2214	2211
70°	1965	1771	1775
75°	1616	1449	1566
80°	1643	1636	1568
85°	1615	1942	1646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3099 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	2.0
10°-20°	157.1	6.1
20°-30°	265.6	10.4
30°-40°	408.5	15.9
40°-50°	567.7	22.1
50°-60°	534.4	20.8
60°-70°	352.9	13.8
70°-80°	164.0	6.4
80°-90°	61.4	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°	474.7	18.5
0°-40°	883.2	34.5
0°-60°	1985.2	77.4
0°-90°	2563.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2563.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	541	543	543	544	544	52
15°	546	549	554	558	559	155
25°	556	563	574	578	577	259
35°	617	639	658	655	650	390
45°	735	761	767	749	727	562
55°	616	607	580	599	615	552
65°	368	365	348	353	347	366
75°	155	150	139	144	151	174
85°	52	60	63	61	53	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	541.8	541.8	541.8	541.8	541.8
2.5°	541.3	542.3	542.8	543.3	541.8
5°	541.3	542.8	543.3	544.2	543.7
7.5°	542.3	543.7	545.2	546.2	546.7
10°	543.7	545.2	547.6	550.5	550.5
12.5°	544.7	547.1	550.5	554.4	554.9
15°	546.2	548.6	554.4	558.3	559.2
17.5°	547.1	551.0	557.8	562.6	563.1
20°	549.1	553.4	562.6	567.0	567.0
22.5°	552.0	557.8	567.5	571.3	571.3
25°	555.9	563.1	574.3	577.6	576.7
27.5°	563.1	571.8	583.9	587.8	586.8
30°	574.3	585.9	598.9	603.8	602.8
32.5°	592.2	606.7	623.2	627.5	627.0
35°	616.9	638.7	657.5	655.1	649.8
37.5°	645.4	677.9	699.2	676.4	664.8
40°	673.5	717.6	738.4	701.6	683.7
42.5°	703.5	748.6	766.5	730.6	705.5
45°	735.0	761.2	767.0	748.6	726.8
47.5°	754.9	741.3	728.7	739.8	735.5
50°	740.3	694.8	674.5	695.8	721.4
52.5°	685.1	651.7	628.0	647.8	680.3
55°	615.9	607.2	579.6	599.4	615.4
57.5°	552.5	559.2	529.2	544.2	546.7
60°	492.9	497.8	471.6	484.2	480.3
62.5°	432.4	432.9	412.5	419.8	414.0
65°	368.5	365.1	347.7	353.0	347.2
67.5°	308.4	300.7	284.2	286.6	281.3
70°	249.8	240.6	225.1	228.5	225.6
72.5°	197.6	190.3	176.7	181.1	184.0
75°	155.4	149.6	139.4	143.8	150.6
77.5°	128.8	121.5	122.5	119.6	124.4
80°	106.0	101.7	105.6	102.6	101.2
82.5°	78.9	83.3	84.7	86.2	78.9
85°	52.3	60.0	62.9	61.0	53.3
87.5°	25.7	32.4	33.4	32.9	27.6
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	18.3	16.9	18.6	18.9	16.4	18.1	16.7	18.4	18.7
	3H	17.8	19.4	18.2	19.7	20.1	17.5	19.1	17.9	19.4	19.8
	4H	18.2	19.7	18.6	20.0	20.4	17.9	19.4	18.3	19.8	20.1
	6H	18.5	19.9	19.0	20.3	20.7	18.3	19.7	18.7	20.0	20.4
	8H	18.7	20.0	19.1	20.4	20.8	18.4	19.8	18.9	20.1	20.5
	12H	18.8	20.1	19.2	20.5	20.9	18.6	19.8	19.0	20.2	20.6
4H	2H	17.0	18.5	17.4	18.8	19.2	16.8	18.3	17.2	18.7	19.1
	3H	18.4	19.7	18.8	20.1	20.5	18.2	19.4	18.6	19.8	20.2
	4H	18.9	20.1	19.3	20.5	20.9	18.7	19.8	19.1	20.2	20.6
	6H	19.4	20.4	19.8	20.8	21.3	19.2	20.2	19.6	20.6	21.0
	8H	19.6	20.5	20.1	21.0	21.4	19.4	20.3	19.8	20.8	21.2
	12H	19.8	20.6	20.3	21.1	21.6	19.6	20.4	20.1	20.9	21.4
8H	4H	19.1	20.0	19.6	20.5	20.9	18.9	19.8	19.3	20.2	20.7
	6H	19.7	20.5	20.2	21.0	21.5	19.5	20.3	20.0	20.8	21.2
	8H	20.0	20.7	20.5	21.2	21.7	19.8	20.5	20.4	21.1	21.5
	12H	20.3	20.9	20.8	21.4	22.0	20.2	20.8	20.7	21.3	21.8
12H	4H	19.1	20.0	19.6	20.5	20.9	18.9	19.8	19.4	20.2	20.7
	6H	19.8	20.5	20.3	21.0	21.5	19.6	20.3	20.1	20.8	21.3
	8H	20.2	20.8	20.7	21.3	21.8	20.0	20.6	20.5	21.1	21.7













(END OF REPORT)