

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: P1526805

Luminaire Tested: 22CGTX-25HE-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526805
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

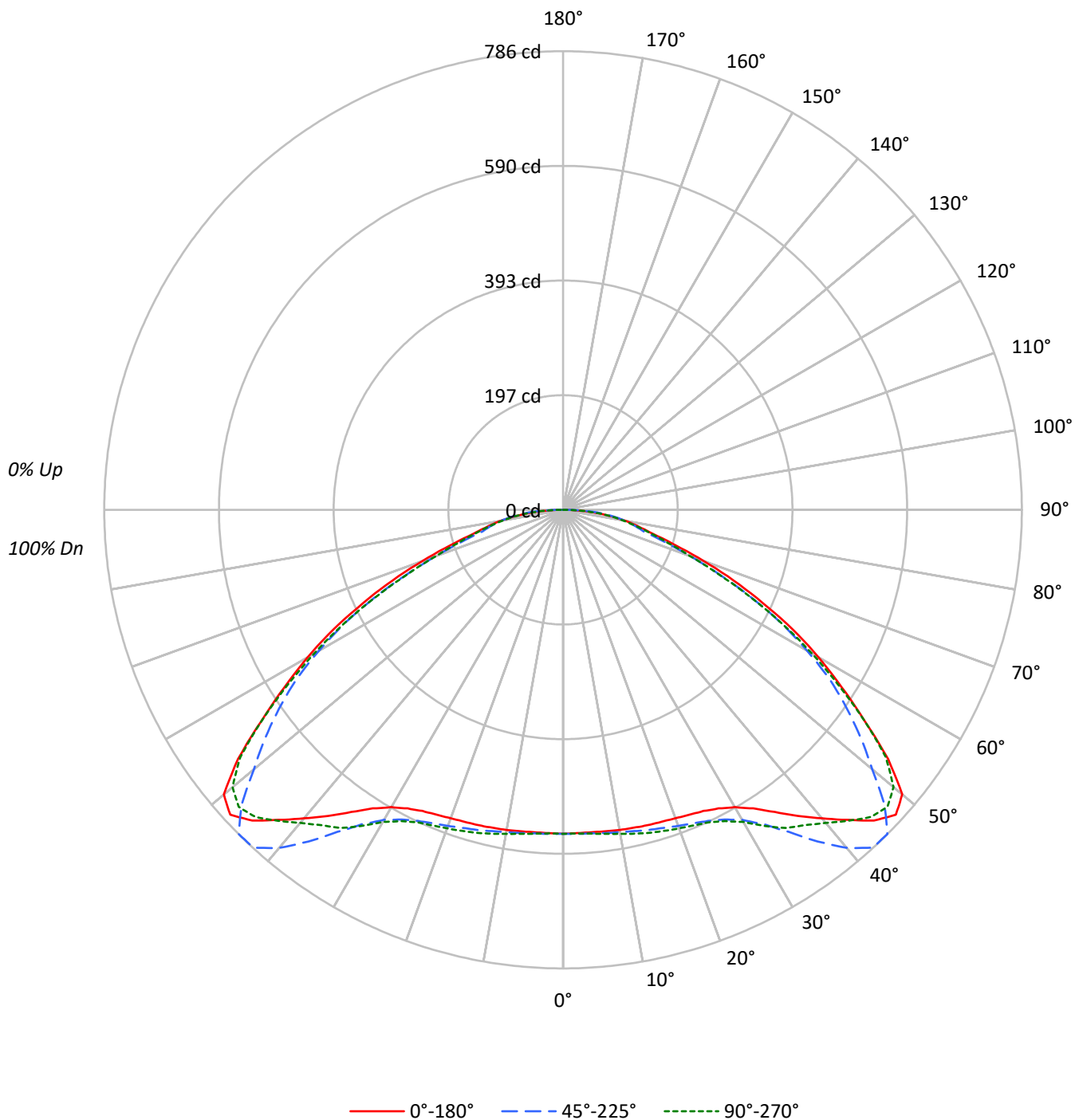
Lumens per Lamp: N/A
Luminaire Lumens: 2626.4 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1494	1494	1494
5°	1498	1504	1505
10°	1522	1533	1541
15°	1559	1582	1596
20°	1611	1651	1664
25°	1691	1747	1754
30°	1828	1907	1919
35°	2076	2213	2187
40°	2424	2657	2460
45°	2866	2990	2834
50°	3175	2893	3094
55°	2960	2786	2958
60°	2718	2601	2648
65°	2404	2268	2265
70°	2014	1815	1819
75°	1655	1486	1604
80°	1683	1675	1607
85°	1655	1991	1686

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	2.0
10°-20°	161.0	6.1
20°-30°	272.1	10.4
30°-40°	418.5	15.9
40°-50°	581.6	22.1
50°-60°	547.5	20.8
60°-70°	361.6	13.8
70°-80°	168.0	6.4
80°-90°	62.9	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°	486.4	18.5
0°-40°	904.9	34.5
0°-60°	2033.9	77.4
0°-90°	2626.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	555	555	555	555	555	
5°	555	556	557	558	557	53
15°	560	562	568	572	573	159
25°	570	577	588	592	591	265
35°	632	654	674	671	666	400
45°	753	780	786	767	745	576
55°	631	622	594	614	630	565
65°	378	374	356	362	356	375
75°	159	153	143	147	154	178
85°	54	62	64	62	55	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	555.1	555.1	555.1	555.1	555.1
2.5°	554.6	555.6	556.1	556.6	555.1
5°	554.6	556.1	556.6	557.6	557.1
7.5°	555.6	557.1	558.6	559.6	560.1
10°	557.1	558.6	561.0	564.0	564.0
12.5°	558.1	560.5	564.0	568.0	568.5
15°	559.6	562.0	568.0	572.0	573.0
17.5°	560.5	564.5	571.5	576.4	576.9
20°	562.5	567.0	576.4	580.9	580.9
22.5°	565.5	571.5	581.4	585.4	585.4
25°	569.5	576.9	588.3	591.8	590.8
27.5°	576.9	585.8	598.2	602.2	601.2
30°	588.3	600.2	613.6	618.6	617.6
32.5°	606.7	621.6	638.4	642.9	642.4
35°	632.0	654.3	673.7	671.2	665.7
37.5°	661.2	694.5	716.3	693.0	681.1
40°	690.0	735.2	756.5	718.8	700.4
42.5°	720.8	766.9	785.3	748.6	722.8
45°	753.0	779.8	785.8	766.9	744.6
47.5°	773.4	759.5	746.6	758.0	753.5
50°	758.5	711.8	691.0	712.8	739.1
52.5°	701.9	667.7	643.4	663.7	697.0
55°	631.0	622.1	593.8	614.1	630.5
57.5°	566.0	573.0	542.2	557.6	560.1
60°	505.0	510.0	483.2	496.1	492.1
62.5°	443.0	443.5	422.6	430.1	424.1
65°	377.5	374.0	356.2	361.6	355.7
67.5°	316.0	308.1	291.2	293.7	288.2
70°	256.0	246.5	230.7	234.1	231.2
72.5°	202.4	195.0	181.1	185.5	188.5
75°	159.2	153.3	142.9	147.3	154.3
77.5°	132.0	124.5	125.5	122.5	127.5
80°	108.6	104.2	108.1	105.2	103.7
82.5°	80.9	85.3	86.8	88.3	80.9
85°	53.6	61.5	64.5	62.5	54.6
87.5°	26.3	33.2	34.2	33.7	28.3
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	16.6	18.4	17.0	18.7	19.0	16.4	18.2	16.8	18.5	18.8
	3H	17.9	19.5	18.3	19.8	20.2	17.6	19.2	18.0	19.5	19.9
	4H	18.3	19.8	18.7	20.1	20.5	18.0	19.5	18.4	19.8	20.2
	6H	18.6	20.0	19.0	20.4	20.8	18.4	19.7	18.8	20.1	20.5
	8H	18.8	20.1	19.2	20.5	20.9	18.5	19.8	18.9	20.2	20.6
	12H	18.9	20.2	19.3	20.6	21.0	18.6	19.9	19.1	20.3	20.7
4H	2H	17.1	18.6	17.5	18.9	19.3	16.9	18.4	17.3	18.8	19.1
	3H	18.5	19.8	18.9	20.2	20.6	18.3	19.5	18.7	19.9	20.3
	4H	19.0	20.1	19.4	20.5	21.0	18.8	19.9	19.2	20.3	20.7
	6H	19.5	20.5	19.9	20.9	21.4	19.2	20.2	19.7	20.7	21.1
	8H	19.7	20.6	20.2	21.1	21.5	19.5	20.4	19.9	20.8	21.3
	12H	19.9	20.7	20.4	21.2	21.7	19.7	20.5	20.2	21.0	21.5
8H	4H	19.2	20.1	19.6	20.6	21.0	19.0	19.9	19.4	20.3	20.8
	6H	19.8	20.6	20.3	21.1	21.5	19.6	20.4	20.1	20.9	21.3
	8H	20.1	20.8	20.6	21.3	21.8	19.9	20.6	20.4	21.1	21.6
	12H	20.4	21.0	20.9	21.5	22.1	20.3	20.9	20.8	21.4	21.9
12H	4H	19.2	20.1	19.7	20.5	21.0	19.0	19.8	19.5	20.3	20.8
	6H	19.9	20.6	20.4	21.0	21.6	19.7	20.4	20.2	20.8	21.4
	8H	20.2	20.9	20.7	21.4	21.9	20.1	20.7	20.6	21.2	21.7















(END OF REPORT)