

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: P1526806

Luminaire Tested: 22CGTX-25HE-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526806
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

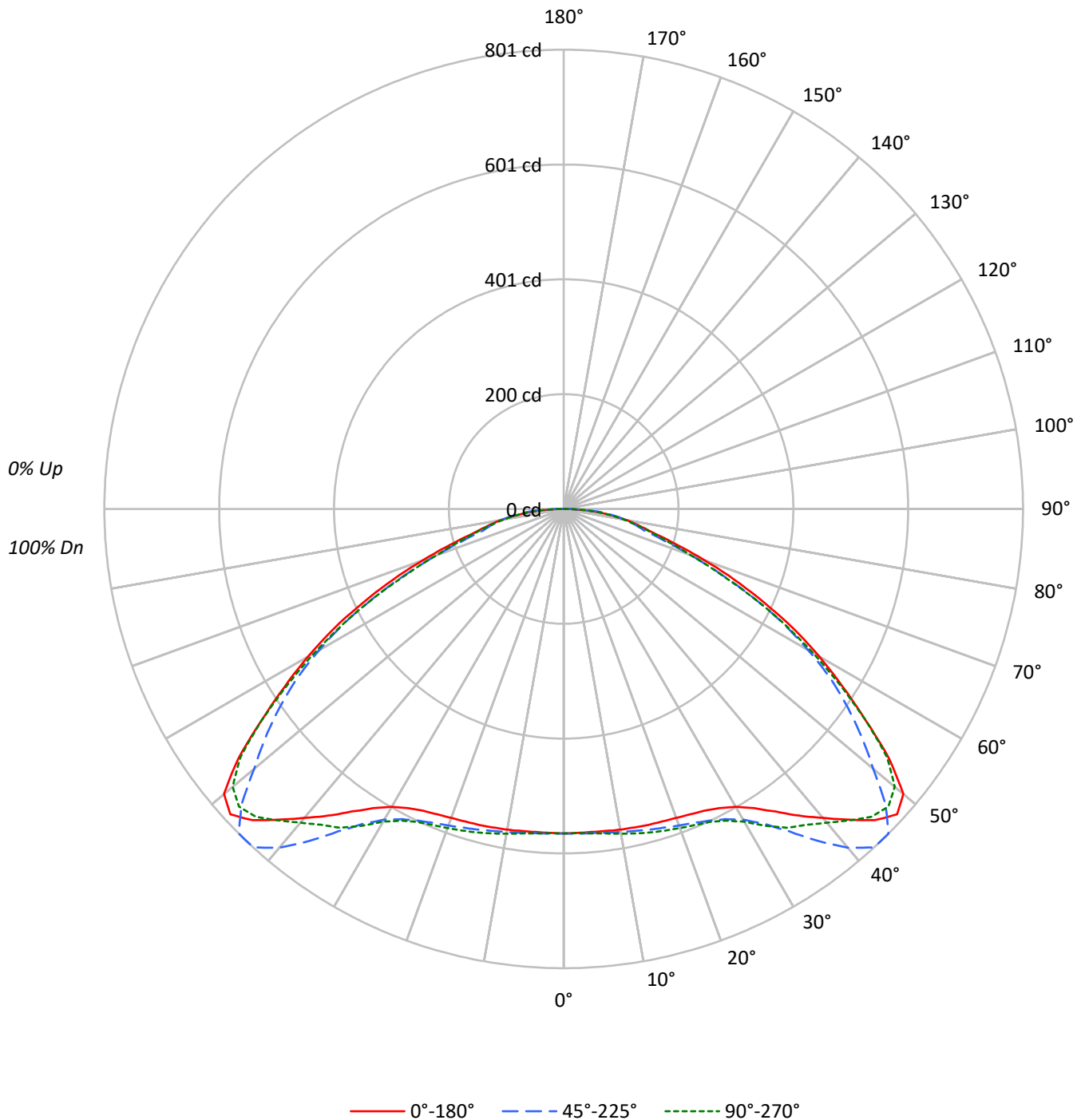
Lumens per Lamp: N/A
Luminaire Lumens: 2677.3 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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°	1523	1523	1523
5°	1527	1533	1534
10°	1552	1563	1571
15°	1589	1613	1627
20°	1642	1683	1696
25°	1724	1781	1788
30°	1864	1944	1956
35°	2117	2256	2229
40°	2471	2709	2508
45°	2921	3048	2888
50°	3237	2949	3154
55°	3018	2840	3015
60°	2771	2651	2700
65°	2450	2312	2309
70°	2053	1850	1854
75°	1687	1514	1635
80°	1715	1708	1638
85°	1686	2029	1717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	2.0
10°-20°	164.1	6.1
20°-30°	277.4	10.4
30°-40°	426.6	15.9
40°-50°	592.9	22.1
50°-60°	558.1	20.8
60°-70°	368.6	13.8
70°-80°	171.3	6.4
80°-90°	64.1	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°	495.8	18.5
0°-40°	922.4	34.5
0°-60°	2073.4	77.4
0°-90°	2677.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2677.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	565	567	567	568	568	54
15°	570	573	579	583	584	162
25°	580	588	600	603	602	270
35°	644	667	687	684	679	408
45°	768	795	801	782	759	587
55°	643	634	605	626	643	576
65°	385	381	363	369	363	382
75°	162	156	146	150	157	182
85°	55	63	66	64	56	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	565.9	565.9	565.9	565.9	565.9
2.5°	565.4	566.4	566.9	567.4	565.9
5°	565.4	566.9	567.4	568.4	567.9
7.5°	566.4	567.9	569.4	570.4	570.9
10°	567.9	569.4	571.9	575.0	575.0
12.5°	568.9	571.4	575.0	579.0	579.5
15°	570.4	573.0	579.0	583.1	584.1
17.5°	571.4	575.5	582.6	587.6	588.1
20°	573.5	578.0	587.6	592.2	592.2
22.5°	576.5	582.6	592.7	596.7	596.7
25°	580.5	588.1	599.8	603.3	602.3
27.5°	588.1	597.2	609.9	613.9	612.9
30°	599.8	611.9	625.5	630.6	629.6
32.5°	618.5	633.6	650.8	655.4	654.9
35°	644.3	667.0	686.7	684.2	678.6
37.5°	674.1	708.0	730.2	706.5	694.3
40°	703.4	749.4	771.2	732.7	714.0
42.5°	734.8	781.8	800.5	763.1	736.8
45°	767.6	795.0	801.0	781.8	759.0
47.5°	788.4	774.2	761.1	772.7	768.1
50°	773.2	725.7	704.4	726.7	753.5
52.5°	715.6	680.7	655.9	676.6	710.5
55°	643.2	634.1	605.3	626.0	642.7
57.5°	577.0	584.1	552.7	568.4	570.9
60°	514.8	519.9	492.5	505.7	501.6
62.5°	451.6	452.1	430.9	438.4	432.4
65°	384.8	381.3	363.1	368.7	362.6
67.5°	322.1	314.0	296.8	299.4	293.8
70°	260.9	251.3	235.1	238.7	235.7
72.5°	206.3	198.7	184.6	189.1	192.2
75°	162.3	156.3	145.6	150.2	157.3
77.5°	134.5	126.9	127.9	124.9	130.0
80°	110.7	106.2	110.2	107.2	105.7
82.5°	82.4	87.0	88.5	90.0	82.4
85°	54.6	62.7	65.7	63.7	55.6
87.5°	26.8	33.9	34.9	34.4	28.8
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	16.7	18.4	17.1	18.8	19.1	16.5	18.3	16.9	18.6	18.9
	3H	18.0	19.5	18.3	19.9	20.2	17.7	19.3	18.1	19.6	20.0
	4H	18.3	19.8	18.7	20.2	20.6	18.1	19.6	18.5	19.9	20.3
	6H	18.7	20.1	19.1	20.4	20.8	18.4	19.8	18.8	20.2	20.6
	8H	18.8	20.2	19.3	20.6	21.0	18.6	19.9	19.0	20.3	20.7
	12H	19.0	20.2	19.4	20.6	21.0	18.7	20.0	19.1	20.4	20.8
4H	2H	17.1	18.6	17.5	19.0	19.3	17.0	18.5	17.4	18.8	19.2
	3H	18.6	19.8	19.0	20.2	20.6	18.3	19.6	18.7	20.0	20.4
	4H	19.1	20.2	19.5	20.6	21.0	18.8	20.0	19.3	20.4	20.8
	6H	19.5	20.5	20.0	21.0	21.4	19.3	20.3	19.8	20.7	21.2
	8H	19.8	20.7	20.2	21.1	21.6	19.5	20.5	20.0	20.9	21.4
	12H	20.0	20.8	20.4	21.3	21.7	19.8	20.6	20.2	21.1	21.5
8H	4H	19.3	20.2	19.7	20.6	21.1	19.0	20.0	19.5	20.4	20.9
	6H	19.9	20.6	20.4	21.1	21.6	19.7	20.4	20.2	20.9	21.4
	8H	20.2	20.9	20.7	21.4	21.9	20.0	20.7	20.5	21.2	21.7
	12H	20.5	21.1	21.0	21.6	22.1	20.3	20.9	20.8	21.4	22.0
12H	4H	19.3	20.1	19.8	20.6	21.1	19.1	19.9	19.5	20.4	20.8
	6H	19.9	20.6	20.5	21.1	21.6	19.7	20.5	20.3	20.9	21.4
	8H	20.3	20.9	20.8	21.4	22.0	20.1	20.8	20.6	21.3	21.8













(END OF REPORT)