

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: P1526809

Luminaire Tested: 22CGTX-25HE-A125-L940

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526809
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

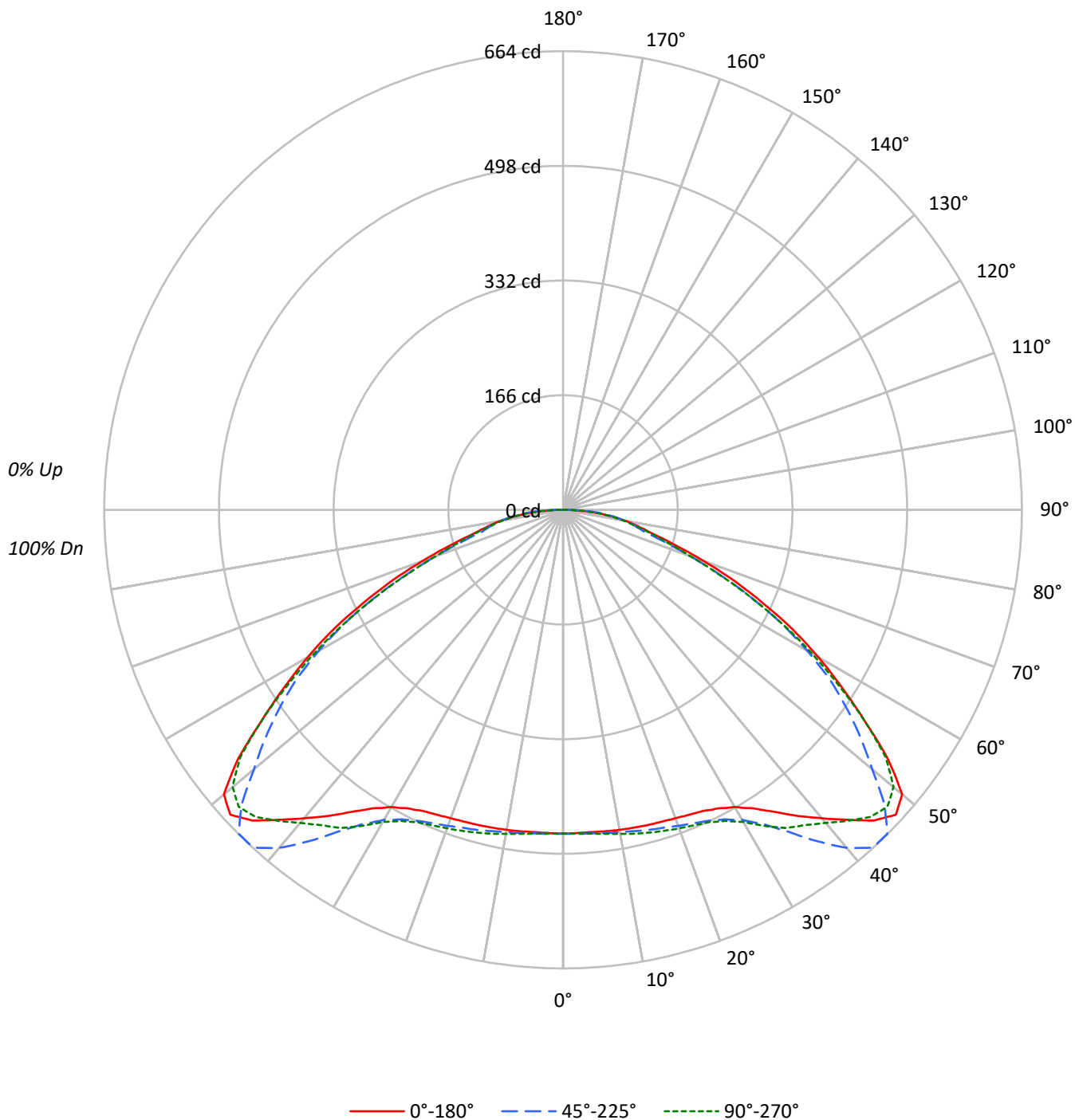
Lumens per Lamp: N/A
Luminaire Lumens: 2218.4 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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°	1262	1262	1262
5°	1265	1270	1271
10°	1286	1295	1302
15°	1317	1337	1348
20°	1361	1394	1405
25°	1428	1475	1482
30°	1544	1611	1621
35°	1754	1869	1847
40°	2047	2245	2078
45°	2420	2526	2393
50°	2682	2444	2614
55°	2501	2353	2499
60°	2295	2196	2237
65°	2031	1915	1913
70°	1701	1533	1537
75°	1398	1255	1355
80°	1423	1415	1358
85°	1399	1683	1423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	2.0
10°-20°	136.0	6.1
20°-30°	229.9	10.4
30°-40°	353.5	15.9
40°-50°	491.2	22.1
50°-60°	462.4	20.8
60°-70°	305.4	13.8
70°-80°	141.9	6.4
80°-90°	53.1	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°	410.8	18.5
0°-40°	764.3	34.5
0°-60°	1717.9	77.4
0°-90°	2218.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2218.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	468	470	470	471	470	45
15°	473	475	480	483	484	134
25°	481	487	497	500	499	224
35°	534	553	569	567	562	338
45°	636	659	664	648	629	487
55°	533	525	502	519	533	478
65°	319	316	301	306	300	317
75°	134	130	121	124	130	151
85°	45	52	54	53	46	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	468.9	468.9	468.9	468.9	468.9
2.5°	468.4	469.3	469.7	470.1	468.9
5°	468.4	469.7	470.1	471.0	470.5
7.5°	469.3	470.5	471.8	472.6	473.1
10°	470.5	471.8	473.9	476.4	476.4
12.5°	471.4	473.5	476.4	479.8	480.2
15°	472.6	474.7	479.8	483.1	483.9
17.5°	473.5	476.8	482.7	486.9	487.3
20°	475.1	478.9	486.9	490.7	490.7
22.5°	477.7	482.7	491.1	494.4	494.4
25°	481.0	487.3	496.9	499.9	499.0
27.5°	487.3	494.8	505.3	508.7	507.8
30°	496.9	507.0	518.3	522.5	521.7
32.5°	512.4	525.0	539.3	543.0	542.6
35°	533.8	552.7	569.0	566.9	562.3
37.5°	558.5	586.6	605.0	585.3	575.3
40°	582.8	621.0	639.0	607.1	591.6
42.5°	608.8	647.8	663.3	632.3	610.5
45°	636.0	658.7	663.7	647.8	628.9
47.5°	653.2	641.5	630.6	640.2	636.5
50°	640.7	601.3	583.7	602.1	624.3
52.5°	592.9	564.0	543.4	560.6	588.7
55°	533.0	525.4	501.5	518.7	532.6
57.5°	478.1	483.9	458.0	471.0	473.1
60°	426.5	430.7	408.1	419.0	415.7
62.5°	374.2	374.6	357.0	363.3	358.2
65°	318.9	315.9	300.8	305.5	300.4
67.5°	266.9	260.2	246.0	248.0	243.4
70°	216.2	208.2	194.8	197.8	195.3
72.5°	171.0	164.7	152.9	156.7	159.2
75°	134.5	129.5	120.7	124.4	130.3
77.5°	111.5	105.2	106.0	103.5	107.7
80°	91.8	88.0	91.3	88.8	87.6
82.5°	68.3	72.1	73.3	74.6	68.3
85°	45.3	52.0	54.5	52.8	46.1
87.5°	22.2	28.1	28.9	28.5	23.9
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	16.0	17.8	16.4	18.1	18.4	15.9	17.6	16.2	17.9	18.2
	3H	17.3	18.9	17.7	19.2	19.6	17.0	18.6	17.4	18.9	19.3
	4H	17.7	19.2	18.1	19.5	19.9	17.4	18.9	17.8	19.3	19.6
	6H	18.0	19.4	18.5	19.8	20.2	17.8	19.2	18.2	19.5	19.9
	8H	18.2	19.5	18.6	19.9	20.3	17.9	19.3	18.3	19.6	20.0
	12H	18.3	19.6	18.7	20.0	20.4	18.1	19.3	18.5	19.7	20.1
4H	2H	16.5	18.0	16.9	18.3	18.7	16.3	17.8	16.7	18.2	18.6
	3H	17.9	19.2	18.3	19.6	20.0	17.7	18.9	18.1	19.3	19.7
	4H	18.4	19.6	18.8	20.0	20.4	18.2	19.3	18.6	19.7	20.1
	6H	18.9	19.9	19.3	20.3	20.8	18.7	19.7	19.1	20.1	20.5
	8H	19.1	20.0	19.6	20.5	20.9	18.9	19.8	19.3	20.3	20.7
	12H	19.3	20.1	19.8	20.6	21.1	19.1	19.9	19.6	20.4	20.9
8H	4H	18.6	19.5	19.1	20.0	20.4	18.4	19.3	18.8	19.7	20.2
	6H	19.2	20.0	19.7	20.5	20.9	19.0	19.8	19.5	20.3	20.7
	8H	19.5	20.2	20.0	20.7	21.2	19.3	20.0	19.8	20.6	21.0
	12H	19.8	20.4	20.3	20.9	21.5	19.7	20.3	20.2	20.8	21.3
12H	4H	18.6	19.5	19.1	19.9	20.4	18.4	19.3	18.9	19.7	20.2
	6H	19.3	20.0	19.8	20.5	21.0	19.1	19.8	19.6	20.3	20.8
	8H	19.7	20.3	20.2	20.8	21.3	19.5	20.1	20.0	20.6	21.2













(END OF REPORT)