

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: P1527252

Luminaire Tested: 22CGSB-25-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-25-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

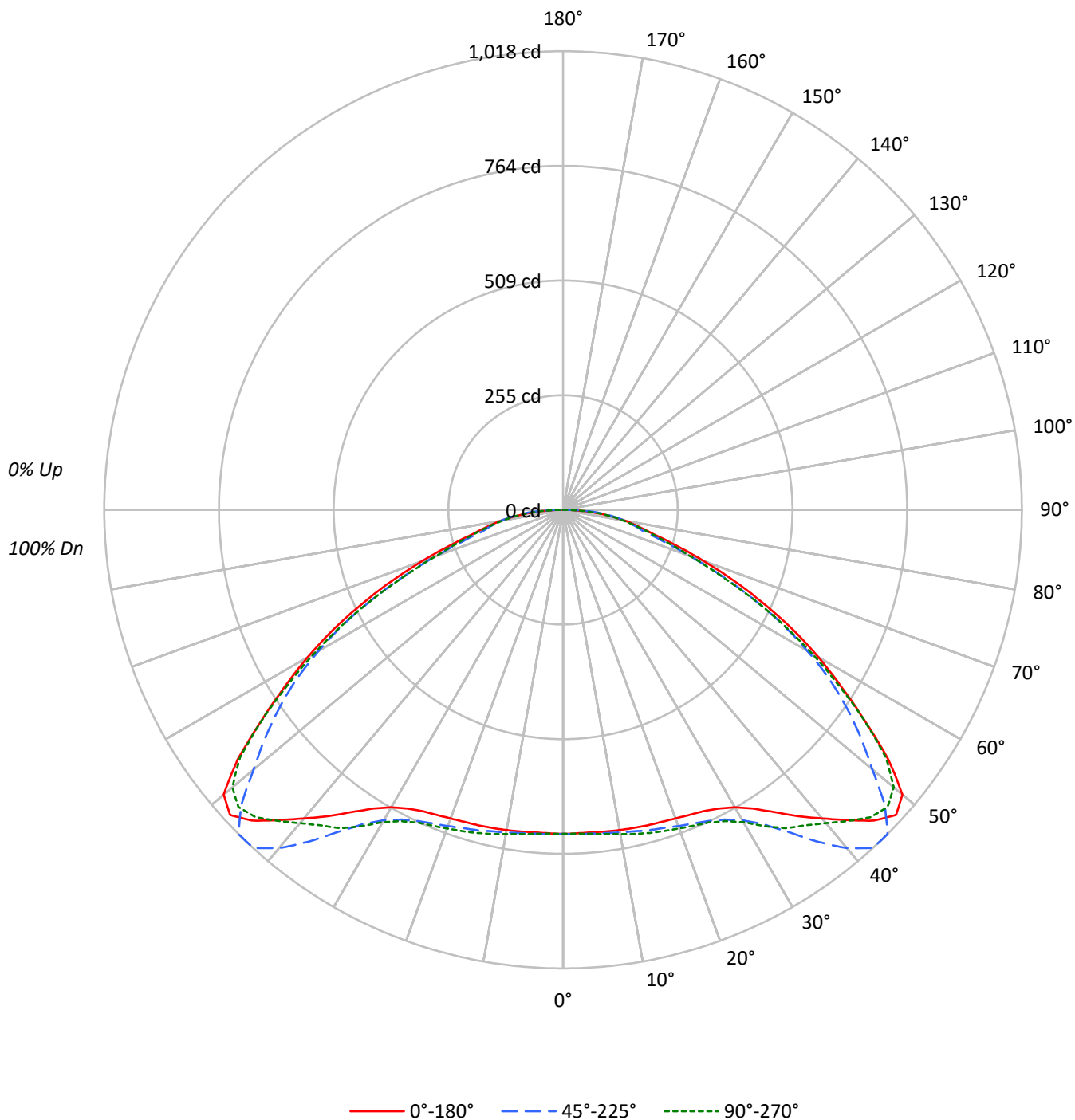
Lumens per Lamp: N/A
Luminaire Lumens: 3403.5 lumens
Efficiency: N/A
Efficacy: 166.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	1936	1936	1936
5°	1941	1948	1950
10°	1973	1987	1997
15°	2020	2051	2069
20°	2088	2139	2156
25°	2191	2264	2273
30°	2369	2471	2487
35°	2690	2868	2834
40°	3141	3444	3189
45°	3714	3875	3672
50°	4115	3749	4010
55°	3836	3610	3833
60°	3522	3370	3432
65°	3115	2939	2935
70°	2610	2352	2357
75°	2146	1925	2078
80°	2182	2171	2083
85°	2143	2581	2183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	2.0
10°-20°	208.6	6.1
20°-30°	352.7	10.4
30°-40°	542.3	15.9
40°-50°	753.7	22.1
50°-60°	709.4	20.8
60°-70°	468.5	13.8
70°-80°	217.7	6.4
80°-90°	81.5	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°	630.3	18.5
0°-40°	1172.6	34.5
0°-60°	2635.7	77.4
0°-90°	3403.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3403.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	719	721	721	723	722	69
15°	725	728	736	741	742	206
25°	738	748	762	767	766	343
35°	819	848	873	870	863	518
45°	976	1011	1018	994	965	747
55°	818	806	770	796	817	733
65°	489	485	462	469	461	486
75°	206	199	185	191	200	231
85°	69	80	84	81	71	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.3	719.3	719.3	719.3	719.3
2.5°	718.7	720.0	720.6	721.3	719.3
5°	718.7	720.6	721.3	722.6	721.9
7.5°	720.0	721.9	723.8	725.1	725.8
10°	721.9	723.8	727.1	730.9	730.9
12.5°	723.2	726.4	730.9	736.1	736.7
15°	725.1	728.3	736.1	741.2	742.5
17.5°	726.4	731.6	740.6	747.0	747.6
20°	729.0	734.8	747.0	752.8	752.8
22.5°	732.8	740.6	753.4	758.6	758.6
25°	738.0	747.6	762.4	766.9	765.6
27.5°	747.6	759.2	775.3	780.4	779.1
30°	762.4	777.8	795.2	801.6	800.3
32.5°	786.2	805.5	827.3	833.1	832.5
35°	819.0	847.9	873.0	869.8	862.7
37.5°	856.9	900.0	928.3	898.1	882.6
40°	894.2	952.7	980.3	931.5	907.7
42.5°	934.1	993.8	1017.6	970.1	936.6
45°	975.8	1010.6	1018.3	993.8	964.9
47.5°	1002.2	984.2	967.5	982.3	976.5
50°	982.9	922.5	895.5	923.8	957.8
52.5°	909.6	865.3	833.8	860.1	903.2
55°	817.7	806.1	769.5	795.8	817.1
57.5°	733.5	742.5	702.6	722.6	725.8
60°	654.4	660.8	626.1	642.8	637.7
62.5°	574.1	574.7	547.7	557.4	549.6
65°	489.2	484.7	461.6	468.6	460.9
67.5°	409.5	399.2	377.4	380.6	373.5
70°	331.7	319.5	298.9	303.4	299.6
72.5°	262.3	252.6	234.6	240.4	244.3
75°	206.4	198.6	185.1	190.9	199.9
77.5°	171.0	161.4	162.6	158.8	165.2
80°	140.8	135.0	140.1	136.3	134.4
82.5°	104.8	110.6	112.5	114.4	104.8
85°	69.4	79.7	83.6	81.0	70.7
87.5°	34.1	43.1	44.4	43.7	36.6
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	17.5	19.3	17.9	19.6	19.9	17.4	19.1	17.7	19.4	19.7
	3H	18.8	20.4	19.2	20.7	21.1	18.5	20.1	18.9	20.4	20.8
	4H	19.2	20.7	19.6	21.0	21.4	18.9	20.4	19.3	20.7	21.1
	6H	19.5	20.9	19.9	21.3	21.7	19.3	20.6	19.7	21.0	21.4
	8H	19.7	21.0	20.1	21.4	21.8	19.4	20.7	19.8	21.1	21.5
	12H	19.8	21.1	20.2	21.5	21.9	19.5	20.8	20.0	21.2	21.6
4H	2H	18.0	19.5	18.4	19.8	20.2	17.8	19.3	18.2	19.7	20.0
	3H	19.4	20.7	19.8	21.1	21.5	19.2	20.4	19.6	20.8	21.2
	4H	19.9	21.0	20.3	21.4	21.9	19.7	20.8	20.1	21.2	21.6
	6H	20.4	21.4	20.8	21.8	22.3	20.1	21.1	20.6	21.6	22.0
	8H	20.6	21.5	21.1	22.0	22.4	20.4	21.3	20.8	21.8	22.2
	12H	20.8	21.6	21.3	22.1	22.6	20.6	21.4	21.1	21.9	22.4
8H	4H	20.1	21.0	20.5	21.5	21.9	19.9	20.8	20.3	21.2	21.7
	6H	20.7	21.5	21.2	22.0	22.4	20.5	21.3	21.0	21.8	22.2
	8H	21.0	21.7	21.5	22.2	22.7	20.8	21.5	21.3	22.0	22.5
	12H	21.3	21.9	21.8	22.4	23.0	21.2	21.8	21.7	22.3	22.8
12H	4H	20.1	21.0	20.6	21.4	21.9	19.9	20.7	20.4	21.2	21.7
	6H	20.8	21.5	21.3	21.9	22.5	20.6	21.3	21.1	21.7	22.3
	8H	21.1	21.8	21.6	22.3	22.8	21.0	21.6	21.5	22.1	22.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report













(END OF REPORT)