

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: P1526791

Luminaire Tested: 22CGTX-20-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526791
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-20-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

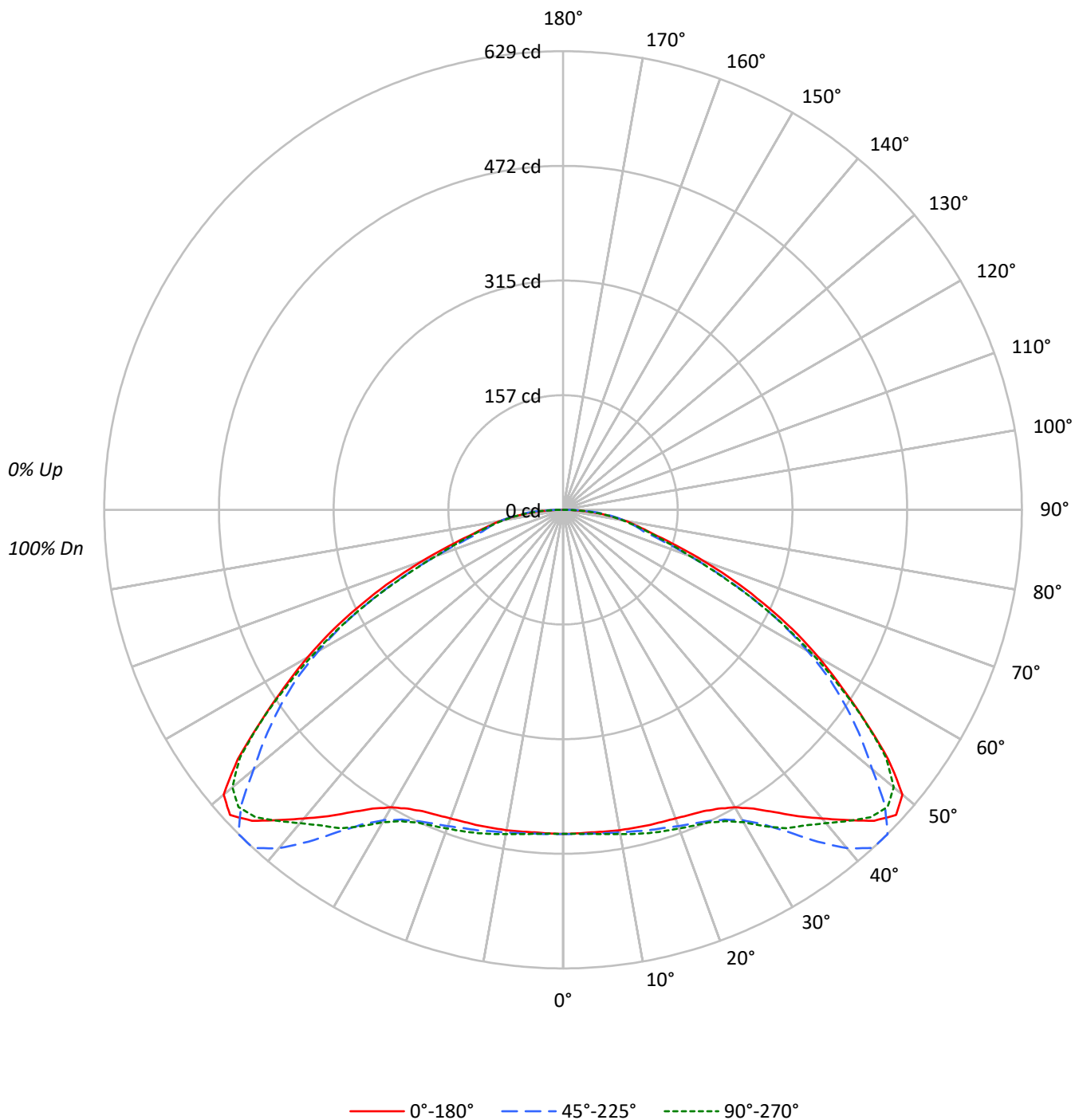
Lumens per Lamp: N/A
Luminaire Lumens: 2103.0 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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°	1196	1196	1196
5°	1200	1204	1205
10°	1219	1227	1234
15°	1248	1267	1278
20°	1290	1322	1332
25°	1354	1399	1405
30°	1464	1527	1537
35°	1662	1772	1751
40°	1941	2128	1970
45°	2295	2394	2269
50°	2542	2316	2478
55°	2371	2231	2369
60°	2176	2082	2120
65°	1925	1816	1813
70°	1613	1453	1456
75°	1326	1189	1284
80°	1348	1342	1286
85°	1325	1593	1349

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2542 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	2.0
10°-20°	128.9	6.1
20°-30°	217.9	10.4
30°-40°	335.1	15.9
40°-50°	465.7	22.1
50°-60°	438.4	20.8
60°-70°	289.5	13.8
70°-80°	134.5	6.4
80°-90°	50.3	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°	389.5	18.5
0°-40°	724.6	34.5
0°-60°	1628.6	77.4
0°-90°	2103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	444	445	446	446	446	42
15°	448	450	455	458	459	127
25°	456	462	471	474	473	212
35°	506	524	539	537	533	320
45°	603	624	629	614	596	461
55°	505	498	476	492	505	453
65°	302	300	285	290	285	300
75°	128	123	114	118	124	143
85°	43	49	52	50	44	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	444.5	444.5	444.5	444.5	444.5
2.5°	444.1	444.9	445.3	445.7	444.5
5°	444.1	445.3	445.7	446.5	446.1
7.5°	444.9	446.1	447.3	448.1	448.5
10°	446.1	447.3	449.2	451.6	451.6
12.5°	446.9	448.9	451.6	454.8	455.2
15°	448.1	450.0	454.8	458.0	458.8
17.5°	448.9	452.0	457.6	461.6	462.0
20°	450.4	454.0	461.6	465.1	465.1
22.5°	452.8	457.6	465.5	468.7	468.7
25°	456.0	462.0	471.1	473.9	473.1
27.5°	462.0	469.1	479.0	482.2	481.4
30°	471.1	480.6	491.4	495.3	494.5
32.5°	485.8	497.7	511.2	514.8	514.4
35°	506.0	523.9	539.4	537.4	533.1
37.5°	529.5	556.1	573.6	554.9	545.4
40°	552.5	588.7	605.8	575.6	560.9
42.5°	577.2	614.1	628.8	599.4	578.7
45°	603.0	624.4	629.2	614.1	596.2
47.5°	619.3	608.1	597.8	606.9	603.4
50°	607.3	570.0	553.3	570.8	591.8
52.5°	562.1	534.6	515.2	531.5	558.1
55°	505.3	498.1	475.5	491.8	504.9
57.5°	453.2	458.8	434.2	446.5	448.5
60°	404.4	408.3	386.9	397.2	394.0
62.5°	354.7	355.1	338.4	344.4	339.6
65°	302.3	299.5	285.2	289.6	284.8
67.5°	253.0	246.7	233.2	235.2	230.8
70°	205.0	197.4	184.7	187.5	185.1
72.5°	162.1	156.1	145.0	148.6	150.9
75°	127.5	122.7	114.4	118.0	123.5
77.5°	105.7	99.7	100.5	98.1	102.1
80°	87.0	83.4	86.6	84.2	83.0
82.5°	64.7	68.3	69.5	70.7	64.7
85°	42.9	49.3	51.6	50.0	43.7
87.5°	21.1	26.6	27.4	27.0	22.6
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	15.8	17.6	16.2	17.9	18.2	15.7	17.4	16.0	17.7	18.1
	3H	17.1	18.7	17.5	19.0	19.4	16.8	18.4	17.2	18.8	19.1
	4H	17.5	19.0	17.9	19.4	19.7	17.2	18.7	17.6	19.1	19.4
	6H	17.9	19.2	18.3	19.6	20.0	17.6	19.0	18.0	19.3	19.7
	8H	18.0	19.3	18.4	19.7	20.1	17.7	19.1	18.2	19.5	19.9
	12H	18.1	19.4	18.6	19.8	20.2	17.9	19.1	18.3	19.5	20.0
4H	2H	16.3	17.8	16.7	18.1	18.5	16.2	17.6	16.5	18.0	18.4
	3H	17.7	19.0	18.1	19.4	19.8	17.5	18.8	17.9	19.1	19.5
	4H	18.2	19.4	18.7	19.8	20.2	18.0	19.1	18.4	19.5	20.0
	6H	18.7	19.7	19.2	20.1	20.6	18.5	19.5	18.9	19.9	20.4
	8H	18.9	19.9	19.4	20.3	20.8	18.7	19.6	19.2	20.1	20.5
	12H	19.1	20.0	19.6	20.4	20.9	18.9	19.8	19.4	20.2	20.7
8H	4H	18.4	19.3	18.9	19.8	20.3	18.2	19.1	18.6	19.6	20.0
	6H	19.0	19.8	19.5	20.3	20.8	18.8	19.6	19.3	20.1	20.6
	8H	19.3	20.0	19.8	20.5	21.0	19.2	19.9	19.7	20.4	20.8
	12H	19.6	20.3	20.1	20.7	21.3	19.5	20.1	20.0	20.6	21.2
12H	4H	18.4	19.3	18.9	19.8	20.2	18.2	19.1	18.7	19.5	20.0
	6H	19.1	19.8	19.6	20.3	20.8	18.9	19.6	19.4	20.1	20.6
	8H	19.5	20.1	20.0	20.6	21.1	19.3	19.9	19.8	20.4	21.0













(END OF REPORT)