

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: P1526795

Luminaire Tested: 22CGTX-20HE-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526795
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-20HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

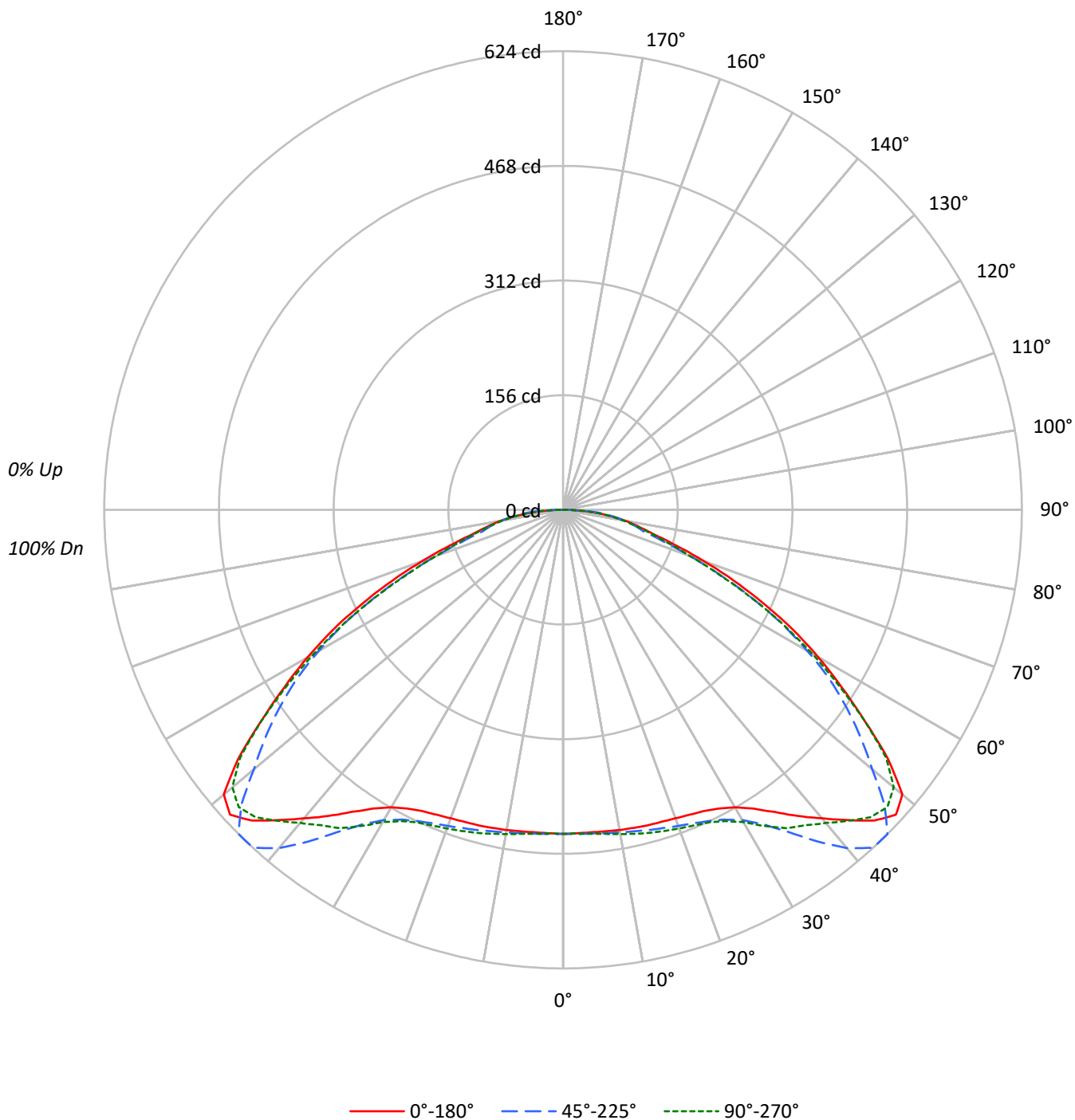
Lumens per Lamp: N/A
Luminaire Lumens: 2085.6 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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°	1186	1186	1186
5°	1190	1194	1195
10°	1209	1217	1224
15°	1238	1257	1268
20°	1279	1311	1321
25°	1343	1387	1393
30°	1452	1514	1524
35°	1649	1758	1737
40°	1925	2110	1954
45°	2276	2375	2250
50°	2521	2297	2457
55°	2351	2212	2349
60°	2158	2065	2103
65°	1909	1801	1798
70°	1600	1441	1445
75°	1315	1180	1274
80°	1337	1331	1275
85°	1312	1581	1337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	2.0
10°-20°	127.8	6.1
20°-30°	216.1	10.4
30°-40°	332.3	15.9
40°-50°	461.8	22.1
50°-60°	434.7	20.8
60°-70°	287.1	13.8
70°-80°	133.4	6.4
80°-90°	49.9	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°	386.2	18.5
0°-40°	718.6	34.5
0°-60°	1615.1	77.4
0°-90°	2085.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2085.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	440	442	442	443	442	42
15°	444	446	451	454	455	126
25°	452	458	467	470	469	210
35°	502	520	535	533	529	318
45°	598	619	624	609	591	458
55°	501	494	472	488	501	449
65°	300	297	283	287	282	298
75°	126	122	114	117	122	142
85°	42	49	51	50	43	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	440.8	440.8	440.8	440.8	440.8
2.5°	440.4	441.2	441.6	442.0	440.8
5°	440.4	441.6	442.0	442.8	442.4
7.5°	441.2	442.4	443.6	444.4	444.7
10°	442.4	443.6	445.5	447.9	447.9
12.5°	443.2	445.1	447.9	451.1	451.4
15°	444.4	446.3	451.1	454.2	455.0
17.5°	445.1	448.3	453.8	457.7	458.1
20°	446.7	450.3	457.7	461.3	461.3
22.5°	449.1	453.8	461.7	464.8	464.8
25°	452.2	458.1	467.2	470.0	469.2
27.5°	458.1	465.2	475.1	478.2	477.4
30°	467.2	476.7	487.3	491.2	490.4
32.5°	481.8	493.6	507.0	510.5	510.1
35°	501.9	519.6	535.0	533.0	528.7
37.5°	525.1	551.5	568.8	550.3	540.9
40°	548.0	583.8	600.7	570.8	556.2
42.5°	572.4	609.0	623.6	594.4	574.0
45°	598.0	619.3	624.0	609.0	591.3
47.5°	614.1	603.1	592.9	601.9	598.4
50°	602.3	565.3	548.7	566.1	587.0
52.5°	557.4	530.2	510.9	527.1	553.5
55°	501.1	494.0	471.5	487.7	500.7
57.5°	449.5	455.0	430.6	442.8	444.7
60°	401.0	405.0	383.7	393.9	390.8
62.5°	351.8	352.2	335.6	341.5	336.8
65°	299.8	297.0	282.8	287.2	282.4
67.5°	250.9	244.6	231.2	233.2	228.9
70°	203.3	195.8	183.2	185.9	183.6
72.5°	160.7	154.8	143.8	147.3	149.7
75°	126.5	121.7	113.5	117.0	122.5
77.5°	104.8	98.9	99.7	97.3	101.2
80°	86.3	82.7	85.9	83.5	82.3
82.5°	64.2	67.8	68.9	70.1	64.2
85°	42.5	48.8	51.2	49.6	43.3
87.5°	20.9	26.4	27.2	26.8	22.5
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	15.6	17.4	16.0	17.7	18.0
	3H	17.1	18.7	17.5	19.0	19.4	16.8	18.4	17.2	18.7	19.1
	4H	17.5	19.0	17.9	19.3	19.7	17.2	18.7	17.6	19.0	19.4
	6H	17.8	19.2	18.2	19.6	20.0	17.6	18.9	18.0	19.3	19.7
	8H	18.0	19.3	18.4	19.7	20.1	17.7	19.0	18.1	19.4	19.8
	12H	18.1	19.4	18.5	19.7	20.2	17.8	19.1	18.3	19.5	19.9
4H	2H	16.3	17.8	16.7	18.1	18.5	16.1	17.6	16.5	18.0	18.3
	3H	17.7	19.0	18.1	19.4	19.8	17.5	18.7	17.9	19.1	19.5
	4H	18.2	19.3	18.6	19.7	20.2	18.0	19.1	18.4	19.5	19.9
	6H	18.7	19.7	19.1	20.1	20.6	18.4	19.4	18.9	19.9	20.3
	8H	18.9	19.8	19.4	20.3	20.7	18.7	19.6	19.1	20.0	20.5
	12H	19.1	19.9	19.6	20.4	20.9	18.9	19.7	19.4	20.2	20.7
8H	4H	18.4	19.3	18.8	19.8	20.2	18.2	19.1	18.6	19.5	20.0
	6H	19.0	19.8	19.5	20.3	20.7	18.8	19.6	19.3	20.1	20.5
	8H	19.3	20.0	19.8	20.5	21.0	19.1	19.8	19.6	20.3	20.8
	12H	19.6	20.2	20.1	20.7	21.3	19.5	20.1	20.0	20.6	21.1
12H	4H	18.4	19.3	18.9	19.7	20.2	18.2	19.0	18.7	19.5	20.0
	6H	19.1	19.8	19.6	20.2	20.8	18.9	19.6	19.4	20.0	20.6
	8H	19.4	20.1	19.9	20.6	21.1	19.3	19.9	19.8	20.4	20.9











(END OF REPORT)