

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: P1526858

Luminaire Tested: 24CGTX-20HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-20HE-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

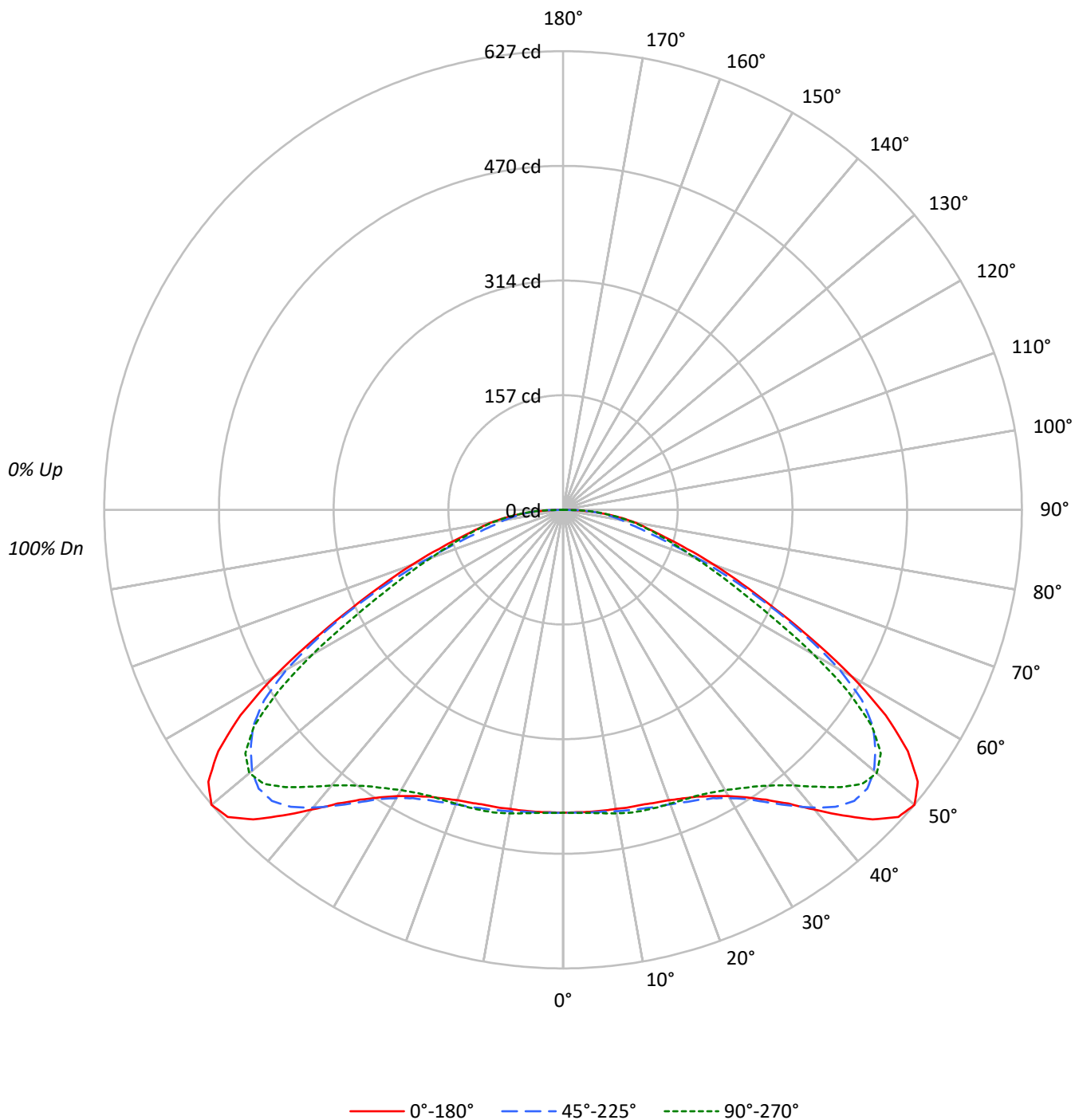
Lumens per Lamp: N/A
Luminaire Lumens: 2067.2 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84		82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68		66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56		54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47		44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39		37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34		31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29		27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25		23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22		20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	557	557	557
5°	560	561	562
10°	567	572	576
15°	581	589	593
20°	605	613	612
25°	642	650	640
30°	702	707	687
35°	795	802	758
40°	940	934	864
45°	1139	1071	1020
50°	1313	1161	1172
55°	1349	1213	1209
60°	1226	1172	1064
65°	1014	996	868
70°	866	780	755
75°	750	621	714
80°	776	629	752
85°	784	756	834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1350 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.9
10°-20°	119.9	5.8
20°-30°	202.5	9.8
30°-40°	304.8	14.7
40°-50°	433.4	21.0
50°-60°	465.1	22.5
60°-70°	303.1	14.7
70°-80°	145.7	7.0
80°-90°	53.0	2.6
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°	362.1	17.5
0°-40°	666.8	32.3
0°-60°	1565.3	75.7
0°-90°	2067.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	414	414	414	414	414	
5°	414	415	415	417	416	40
15°	417	420	423	425	426	119
25°	433	437	438	434	431	201
35°	484	493	488	472	461	307
45°	598	584	563	548	536	459
55°	575	560	517	502	515	503
65°	319	316	313	279	273	322
75°	144	136	120	136	137	158
85°	51	48	49	50	54	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	414.1	414.1	414.1	414.1	414.1
2.5°	413.8	414.1	414.5	414.8	414.8
5°	414.5	414.8	415.2	416.6	415.9
7.5°	414.8	415.2	416.3	418.4	418.4
10°	415.2	416.3	418.4	420.6	421.3
12.5°	416.6	417.7	420.6	423.4	424.1
15°	417.3	419.5	422.7	425.2	425.6
17.5°	419.8	422.0	425.6	426.6	426.6
20°	422.4	425.2	428.4	428.4	427.7
22.5°	427.0	430.2	432.7	430.6	429.2
25°	432.7	436.7	437.7	433.8	431.3
27.5°	441.0	446.0	444.5	439.2	436.0
30°	451.7	458.1	454.9	447.0	442.4
32.5°	466.0	473.9	468.5	458.5	451.3
35°	483.9	493.2	488.2	471.7	461.4
37.5°	506.1	515.8	509.7	488.6	474.6
40°	535.1	540.1	531.5	508.6	491.8
42.5°	566.6	564.1	550.8	529.7	513.3
45°	598.5	583.8	562.7	548.0	536.2
47.5°	621.4	594.2	564.1	556.6	554.4
50°	627.1	592.0	554.8	551.9	559.8
52.5°	611.0	580.6	538.0	533.0	547.3
55°	575.2	560.5	517.2	502.2	515.4
57.5°	522.6	521.5	484.3	457.4	461.0
60°	455.6	459.9	435.6	397.7	395.5
62.5°	383.3	385.8	375.1	335.7	328.2
65°	318.6	316.0	312.8	279.2	272.7
67.5°	265.2	257.7	252.7	232.3	229.1
70°	220.1	208.3	198.3	195.1	191.8
72.5°	178.2	169.7	153.5	162.5	162.1
75°	144.2	136.4	119.5	136.0	137.4
77.5°	118.1	112.7	96.6	111.7	116.3
80°	100.2	89.1	81.2	90.9	97.0
82.5°	76.6	68.0	66.2	70.2	75.9
85°	50.8	47.6	49.0	50.5	54.0
87.5°	25.8	27.6	29.7	32.2	34.0
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	14.4	16.1	14.7	16.5	16.8	13.5	15.2	13.8	15.5	15.9
	3H	15.5	17.1	15.8	17.4	17.8	14.6	16.2	15.0	16.5	16.9
	4H	15.9	17.4	16.3	17.7	18.1	15.1	16.6	15.4	16.9	17.3
	6H	16.2	17.6	16.6	18.0	18.4	15.5	16.9	15.9	17.3	17.7
	8H	16.4	17.7	16.8	18.1	18.5	15.7	17.0	16.1	17.4	17.8
	12H	16.5	17.8	16.9	18.2	18.6	15.9	17.2	16.3	17.5	18.0
4H	2H	14.8	16.3	15.2	16.6	17.0	14.0	15.5	14.4	15.9	16.3
	3H	16.1	17.3	16.5	17.7	18.1	15.3	16.6	15.7	17.0	17.4
	4H	16.6	17.7	17.0	18.1	18.6	15.9	17.1	16.3	17.5	17.9
	6H	17.0	18.1	17.5	18.5	19.0	16.5	17.5	16.9	18.0	18.4
	8H	17.3	18.2	17.7	18.7	19.1	16.8	17.7	17.2	18.1	18.6
	12H	17.5	18.3	17.9	18.8	19.3	17.0	17.9	17.5	18.3	18.8
8H	4H	16.7	17.7	17.2	18.1	18.6	16.1	17.1	16.6	17.5	18.0
	6H	17.3	18.1	17.8	18.6	19.1	16.8	17.6	17.3	18.1	18.6
	8H	17.6	18.3	18.1	18.8	19.3	17.2	17.9	17.7	18.4	18.9
	12H	17.9	18.5	18.4	19.0	19.6	17.5	18.2	18.0	18.7	19.2
12H	4H	16.7	17.6	17.2	18.1	18.5	16.2	17.0	16.6	17.5	18.0
	6H	17.4	18.1	17.9	18.6	19.1	16.9	17.6	17.4	18.1	18.6
	8H	17.7	18.4	18.2	18.9	19.4	17.3	17.9	17.8	18.4	19.0















(END OF REPORT)