

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: P1526859

Luminaire Tested: 24CGTX-20HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526859
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

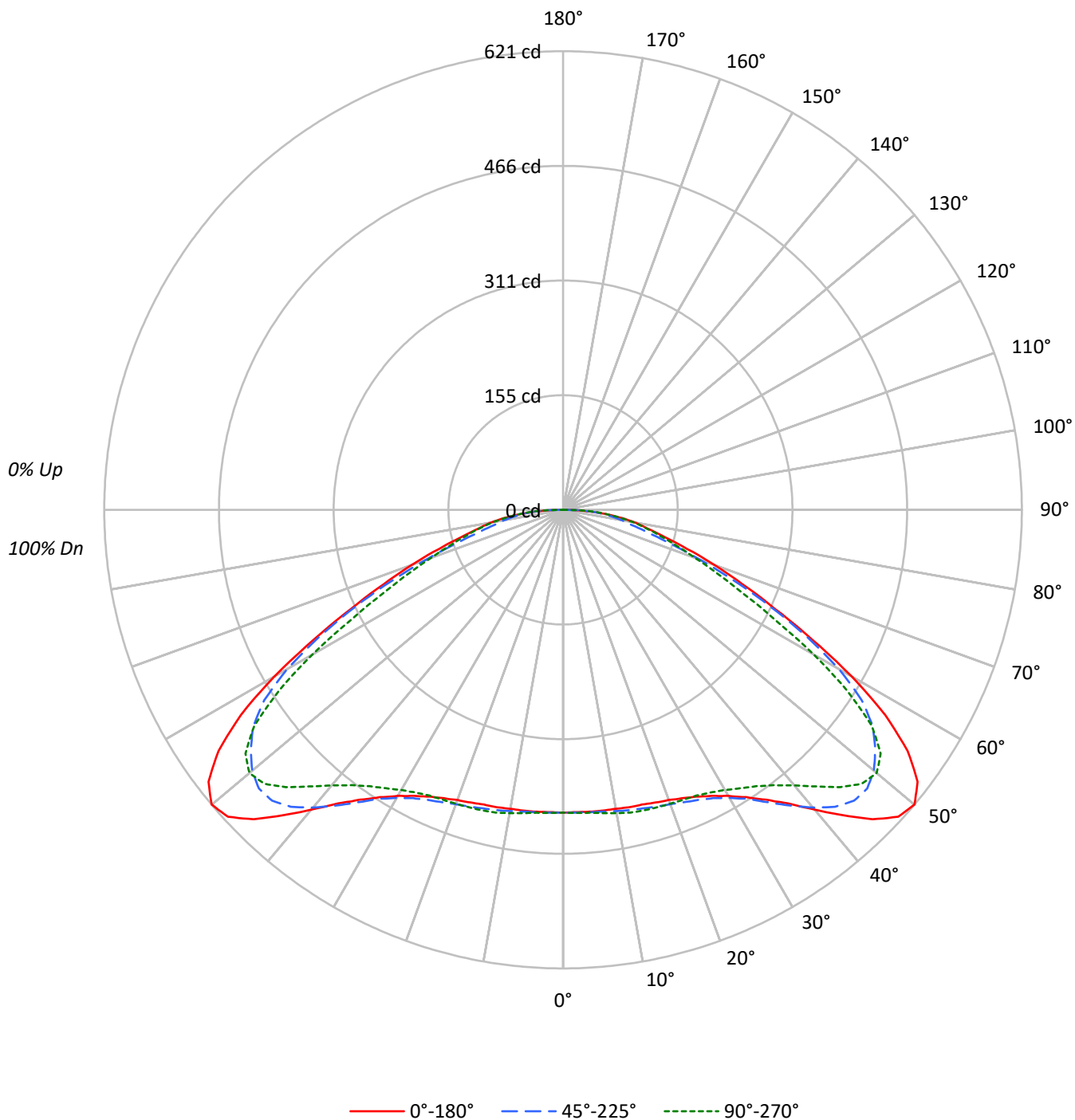
Lumens per Lamp: N/A
Luminaire Lumens: 2046.6 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	552	552	552
5°	554	555	556
10°	562	566	570
15°	576	583	587
20°	599	607	606
25°	636	643	634
30°	695	700	680
35°	787	794	750
40°	930	924	855
45°	1127	1060	1010
50°	1299	1150	1160
55°	1336	1201	1197
60°	1214	1160	1054
65°	1004	986	860
70°	857	772	747
75°	742	616	708
80°	769	623	744
85°	777	749	826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1337 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.9
10°-20°	118.7	5.8
20°-30°	200.4	9.8
30°-40°	301.7	14.7
40°-50°	429.0	21.0
50°-60°	460.5	22.5
60°-70°	300.1	14.7
70°-80°	144.3	7.1
80°-90°	52.5	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°	358.5	17.5
0°-40°	660.2	32.3
0°-60°	1549.7	75.7
0°-90°	2046.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2046.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	410	410	410	410	410	
5°	410	411	411	412	412	39
15°	413	415	418	421	421	117
25°	428	432	433	430	427	199
35°	479	488	483	467	457	304
45°	592	578	557	542	531	455
55°	569	555	512	497	510	498
65°	315	313	310	276	270	319
75°	143	135	118	135	136	157
85°	50	47	48	50	54	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	410.0	410.0	410.0	410.0	410.0
2.5°	409.6	410.0	410.3	410.7	410.7
5°	410.3	410.7	411.0	412.5	411.7
7.5°	410.7	411.0	412.1	414.2	414.2
10°	411.0	412.1	414.2	416.4	417.1
12.5°	412.5	413.5	416.4	419.2	419.9
15°	413.2	415.3	418.5	421.0	421.3
17.5°	415.6	417.8	421.3	422.4	422.4
20°	418.1	421.0	424.2	424.2	423.4
22.5°	422.7	425.9	428.4	426.3	424.9
25°	428.4	432.3	433.4	429.5	427.0
27.5°	436.6	441.5	440.1	434.8	431.6
30°	447.2	453.6	450.4	442.6	438.0
32.5°	461.4	469.2	463.8	453.9	446.8
35°	479.1	488.3	483.3	467.0	456.8
37.5°	501.0	510.6	504.6	483.7	469.9
40°	529.7	534.7	526.2	503.5	486.9
42.5°	560.9	558.4	545.3	524.4	508.1
45°	592.5	577.9	557.0	542.5	530.8
47.5°	615.1	588.2	558.4	551.0	548.9
50°	620.8	586.1	549.2	546.4	554.2
52.5°	604.9	574.7	532.6	527.6	541.8
55°	569.4	554.9	512.0	497.1	510.3
57.5°	517.3	516.3	479.4	452.9	456.4
60°	451.1	455.3	431.2	393.7	391.6
62.5°	379.5	382.0	371.4	332.4	324.9
65°	315.4	312.9	309.7	276.4	270.0
67.5°	262.6	255.1	250.2	230.0	226.8
70°	217.9	206.2	196.3	193.1	189.9
72.5°	176.5	168.0	152.0	160.9	160.5
75°	142.8	135.0	118.4	134.7	136.1
77.5°	116.9	111.6	95.7	110.6	115.2
80°	99.2	88.2	80.4	90.0	96.0
82.5°	75.8	67.3	65.6	69.5	75.1
85°	50.3	47.1	48.5	50.0	53.5
87.5°	25.5	27.3	29.4	31.9	33.7
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	14.3	16.1	14.7	16.4	16.7	13.4	15.2	13.8	15.5	15.8
	3H	15.4	17.0	15.8	17.4	17.7	14.6	16.2	14.9	16.5	16.9
	4H	15.8	17.4	16.2	17.7	18.1	15.0	16.5	15.4	16.9	17.3
	6H	16.2	17.6	16.6	18.0	18.4	15.5	16.9	15.9	17.2	17.6
	8H	16.3	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	15.8	17.1	16.3	17.5	17.9
4H	2H	14.7	16.3	15.1	16.6	17.0	14.0	15.5	14.4	15.9	16.2
	3H	16.0	17.3	16.4	17.7	18.1	15.3	16.6	15.7	17.0	17.4
	4H	16.5	17.7	17.0	18.1	18.5	15.9	17.0	16.3	17.5	17.9
	6H	17.0	18.0	17.5	18.5	18.9	16.5	17.5	16.9	17.9	18.4
	8H	17.2	18.2	17.7	18.6	19.1	16.7	17.7	17.2	18.1	18.6
	12H	17.4	18.3	17.9	18.8	19.2	17.0	17.8	17.4	18.3	18.8
8H	4H	16.7	17.6	17.1	18.1	18.5	16.1	17.0	16.5	17.5	17.9
	6H	17.3	18.1	17.8	18.6	19.0	16.8	17.6	17.3	18.1	18.6
	8H	17.6	18.3	18.1	18.8	19.3	17.1	17.9	17.7	18.4	18.9
	12H	17.9	18.5	18.4	19.0	19.6	17.5	18.1	18.0	18.6	19.2
12H	4H	16.7	17.6	17.2	18.0	18.5	16.1	17.0	16.6	17.5	17.9
	6H	17.3	18.1	17.9	18.5	19.1	16.9	17.6	17.4	18.0	18.6
	8H	17.7	18.3	18.2	18.8	19.4	17.3	17.9	17.8	18.4	19.0















(END OF REPORT)