

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: P1526863

Luminaire Tested: 24CGTX-20HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526863
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

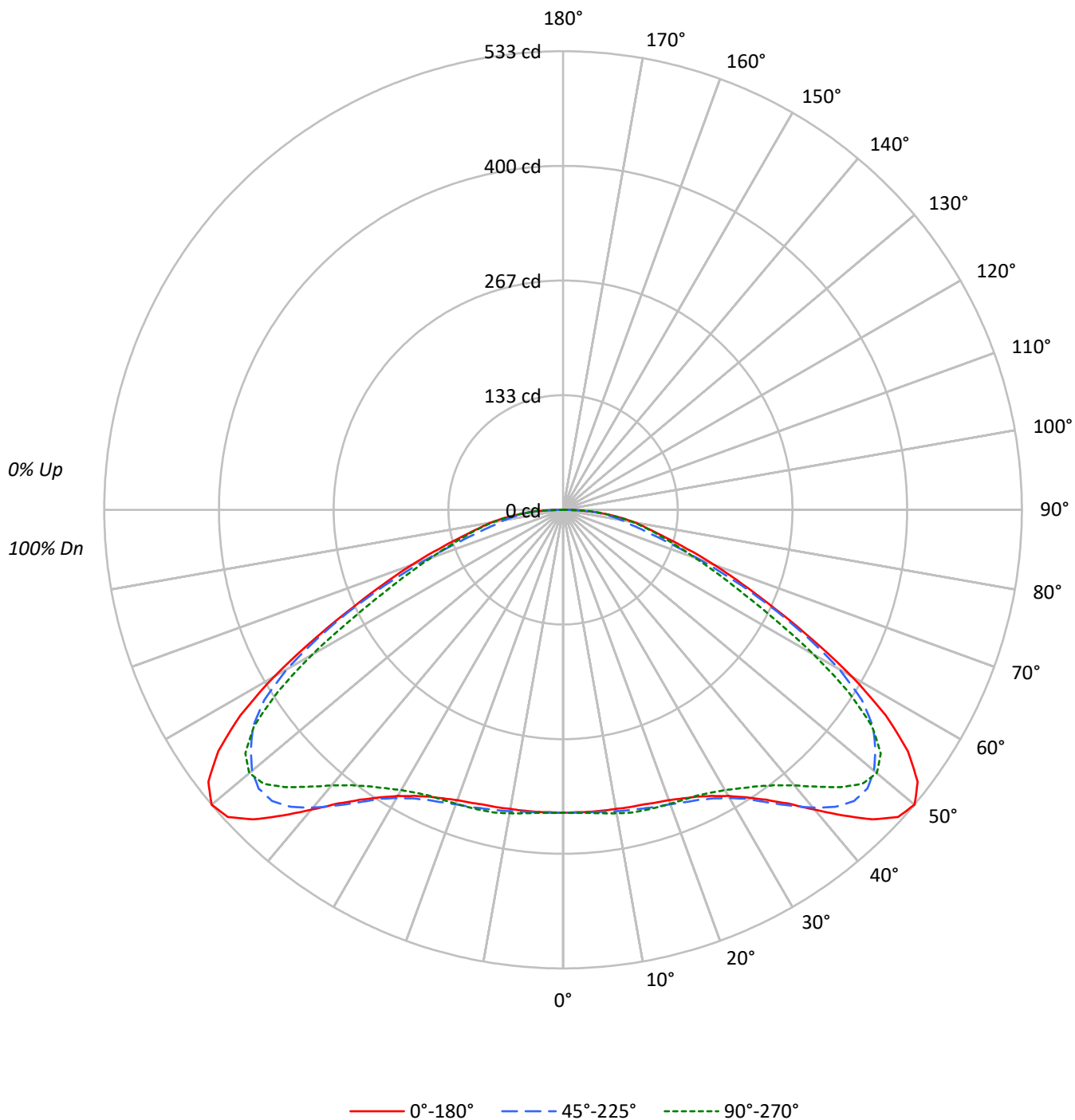
Lumens per Lamp: N/A
Luminaire Lumens: 1757.1 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	474	474	474
5°	476	477	477
10°	482	486	489
15°	494	500	504
20°	514	521	521
25°	546	552	544
30°	596	601	584
35°	676	682	644
40°	799	794	734
45°	968	910	867
50°	1116	987	996
55°	1147	1031	1028
60°	1042	996	905
65°	862	847	738
70°	736	663	642
75°	637	528	607
80°	660	535	638
85°	667	644	709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1148 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	1.9
10°-20°	101.9	5.8
20°-30°	172.1	9.8
30°-40°	259.1	14.7
40°-50°	368.4	21.0
50°-60°	395.3	22.5
60°-70°	257.6	14.7
70°-80°	123.9	7.0
80°-90°	45.1	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°	307.8	17.5
0°-40°	566.8	32.3
0°-60°	1330.5	75.7
0°-90°	1757.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1757.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	352	352	352	352	352	
5°	352	353	353	354	354	34
15°	355	357	359	361	362	101
25°	368	371	372	369	367	171
35°	411	419	415	401	392	261
45°	509	496	478	466	456	391
55°	489	476	440	427	438	428
65°	271	269	266	237	232	274
75°	123	116	102	116	117	135
85°	43	40	42	43	46	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	352.0	352.0	352.0	352.0	352.0
2.5°	351.7	352.0	352.3	352.6	352.6
5°	352.3	352.6	352.9	354.1	353.5
7.5°	352.6	352.9	353.8	355.7	355.7
10°	352.9	353.8	355.7	357.5	358.1
12.5°	354.1	355.0	357.5	359.9	360.5
15°	354.7	356.6	359.3	361.4	361.7
17.5°	356.9	358.7	361.7	362.6	362.6
20°	359.0	361.4	364.2	364.2	363.6
22.5°	363.0	365.7	367.8	366.0	364.8
25°	367.8	371.2	372.1	368.7	366.6
27.5°	374.8	379.1	377.9	373.3	370.6
30°	383.9	389.4	386.7	380.0	376.0
32.5°	396.1	402.8	398.2	389.7	383.6
35°	411.3	419.2	415.0	401.0	392.2
37.5°	430.2	438.4	433.2	415.3	403.4
40°	454.8	459.1	451.8	432.3	418.0
42.5°	481.6	479.5	468.2	450.3	436.3
45°	508.7	496.2	478.3	465.8	455.7
47.5°	528.2	505.0	479.5	473.1	471.3
50°	533.0	503.2	471.6	469.1	475.8
52.5°	519.3	493.5	457.3	453.0	465.2
55°	488.9	476.4	439.6	426.8	438.1
57.5°	444.2	443.3	411.6	388.8	391.9
60°	387.3	390.9	370.3	338.0	336.2
62.5°	325.8	328.0	318.8	285.4	279.0
65°	270.8	268.6	265.9	237.3	231.8
67.5°	225.4	219.1	214.8	197.4	194.7
70°	187.1	177.1	168.5	165.8	163.1
72.5°	151.5	144.2	130.5	138.1	137.8
75°	122.6	115.9	101.6	115.6	116.8
77.5°	100.4	95.8	82.1	94.9	98.9
80°	85.2	75.8	69.1	77.3	82.4
82.5°	65.1	57.8	56.3	59.6	64.5
85°	43.2	40.5	41.7	42.9	45.9
87.5°	21.9	23.4	25.3	27.4	28.9
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	13.8	15.6	14.2	15.9	16.2	12.9	14.7	13.3	15.0	15.3
	3H	14.9	16.5	15.3	16.8	17.2	14.0	15.6	14.4	16.0	16.3
	4H	15.3	16.8	15.7	17.2	17.5	14.5	16.0	14.9	16.4	16.7
	6H	15.7	17.1	16.1	17.4	17.8	14.9	16.3	15.3	16.7	17.1
	8H	15.8	17.2	16.2	17.6	18.0	15.1	16.5	15.5	16.9	17.3
	12H	15.9	17.2	16.4	17.6	18.1	15.3	16.6	15.7	17.0	17.4
4H	2H	14.2	15.7	14.6	16.1	16.5	13.5	15.0	13.8	15.3	15.7
	3H	15.5	16.8	15.9	17.2	17.6	14.8	16.1	15.2	16.4	16.8
	4H	16.0	17.2	16.4	17.6	18.0	15.4	16.5	15.8	16.9	17.4
	6H	16.5	17.5	16.9	17.9	18.4	15.9	16.9	16.4	17.4	17.8
	8H	16.7	17.7	17.2	18.1	18.6	16.2	17.1	16.6	17.6	18.0
	12H	16.9	17.8	17.4	18.2	18.7	16.4	17.3	16.9	17.8	18.2
8H	4H	16.2	17.1	16.6	17.5	18.0	15.6	16.5	16.0	17.0	17.4
	6H	16.8	17.6	17.2	18.0	18.5	16.3	17.1	16.8	17.5	18.0
	8H	17.1	17.8	17.6	18.3	18.8	16.6	17.3	17.1	17.8	18.3
	12H	17.3	18.0	17.8	18.5	19.0	17.0	17.6	17.5	18.1	18.7
12H	4H	16.2	17.0	16.7	17.5	18.0	15.6	16.5	16.1	16.9	17.4
	6H	16.8	17.5	17.3	18.0	18.5	16.3	17.1	16.9	17.5	18.1
	8H	17.2	17.8	17.7	18.3	18.8	16.7	17.4	17.2	17.9	18.4













(END OF REPORT)