

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: P1526864

Luminaire Tested: 24CGTX-20HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526864
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

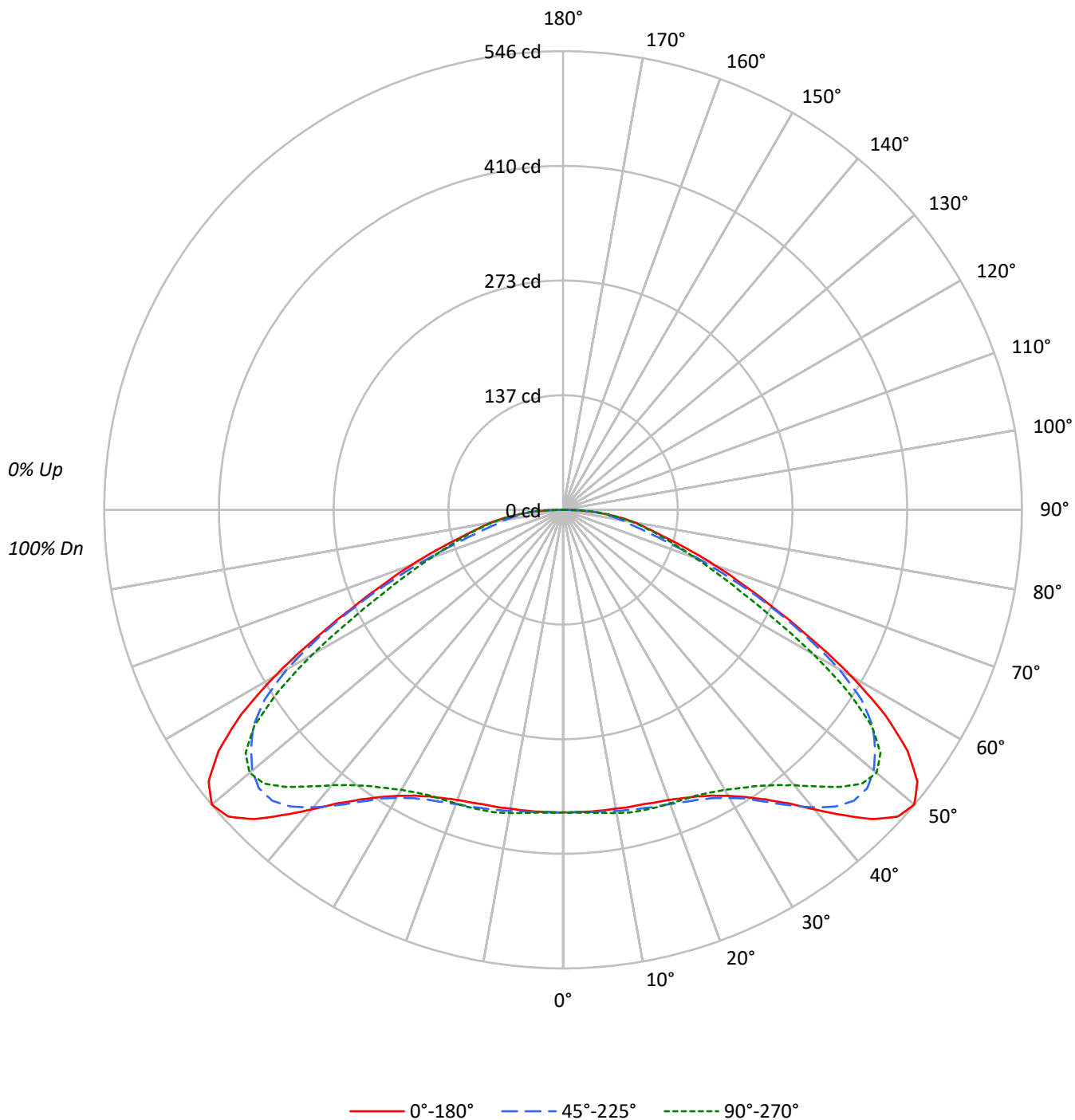
Lumens per Lamp: N/A
Luminaire Lumens: 1798.5 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	485	485	485
5°	487	488	489
10°	493	497	501
15°	506	512	516
20°	526	534	533
25°	559	565	557
30°	611	615	598
35°	692	698	659
40°	818	812	752
45°	991	931	888
50°	1142	1010	1019
55°	1174	1056	1052
60°	1067	1020	926
65°	882	867	755
70°	753	679	657
75°	652	541	622
80°	676	548	654
85°	682	659	726

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	1.9
10°-20°	104.3	5.8
20°-30°	176.1	9.8
30°-40°	265.2	14.7
40°-50°	377.0	21.0
50°-60°	404.6	22.5
60°-70°	263.7	14.7
70°-80°	126.8	7.1
80°-90°	46.1	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°	315.0	17.5
0°-40°	580.1	32.3
0°-60°	1361.8	75.7
0°-90°	1798.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	360	360	360	360	360	
5°	361	361	361	362	362	34
15°	363	365	368	370	370	103
25°	376	380	381	377	375	175
35°	421	429	425	410	401	267
45°	521	508	490	477	466	400
55°	500	488	450	437	448	438
65°	277	275	272	243	237	280
75°	126	119	104	118	120	138
85°	44	41	43	44	47	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	360.3	360.3	360.3	360.3	360.3
2.5°	360.0	360.3	360.6	360.9	360.9
5°	360.6	360.9	361.2	362.5	361.8
7.5°	360.9	361.2	362.2	364.0	364.0
10°	361.2	362.2	364.0	365.9	366.5
12.5°	362.5	363.4	365.9	368.4	369.0
15°	363.1	365.0	367.8	369.9	370.2
17.5°	365.3	367.1	370.2	371.2	371.2
20°	367.4	369.9	372.7	372.7	372.1
22.5°	371.5	374.3	376.5	374.6	373.4
25°	376.5	379.9	380.8	377.4	375.2
27.5°	383.6	388.0	386.8	382.1	379.3
30°	393.0	398.6	395.8	388.9	384.9
32.5°	405.4	412.3	407.6	398.9	392.7
35°	421.0	429.1	424.7	410.4	401.4
37.5°	440.3	448.7	443.4	425.1	412.9
40°	465.5	469.9	462.4	442.5	427.9
42.5°	492.9	490.8	479.2	460.9	446.5
45°	520.7	507.9	489.5	476.7	466.5
47.5°	540.6	516.9	490.8	484.2	482.4
50°	545.6	515.0	482.7	480.2	487.0
52.5°	531.6	505.1	468.0	463.7	476.1
55°	500.4	487.6	450.0	436.9	448.4
57.5°	454.6	453.7	421.3	398.0	401.1
60°	396.4	400.1	379.0	346.0	344.1
62.5°	333.5	335.7	326.3	292.1	285.5
65°	277.1	275.0	272.2	242.9	237.3
67.5°	230.7	224.2	219.8	202.1	199.3
70°	191.5	181.2	172.5	169.7	166.9
72.5°	155.1	147.6	133.6	141.4	141.1
75°	125.5	118.6	104.0	118.3	119.6
77.5°	102.8	98.1	84.1	97.2	101.2
80°	87.2	77.5	70.7	79.1	84.4
82.5°	66.6	59.2	57.6	61.0	66.0
85°	44.2	41.4	42.7	43.9	47.0
87.5°	22.4	24.0	25.8	28.0	29.6
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	13.9	15.7	14.2	16.0	16.3	13.0	14.8	13.3	15.1	15.4
	3H	15.0	16.6	15.4	16.9	17.3	14.1	15.7	14.5	16.0	16.4
	4H	15.4	16.9	15.8	17.2	17.6	14.6	16.1	15.0	16.4	16.8
	6H	15.7	17.2	16.1	17.5	17.9	15.0	16.4	15.4	16.8	17.2
	8H	15.9	17.2	16.3	17.6	18.0	15.2	16.6	15.6	16.9	17.3
	12H	16.0	17.3	16.5	17.7	18.1	15.4	16.7	15.8	17.1	17.5
4H	2H	14.3	15.8	14.7	16.2	16.5	13.5	15.1	13.9	15.4	15.8
	3H	15.6	16.9	16.0	17.2	17.6	14.9	16.1	15.3	16.5	16.9
	4H	16.1	17.2	16.5	17.6	18.1	15.4	16.6	15.9	17.0	17.4
	6H	16.6	17.6	17.0	18.0	18.5	16.0	17.0	16.5	17.5	17.9
	8H	16.8	17.7	17.2	18.2	18.6	16.3	17.2	16.7	17.7	18.1
	12H	17.0	17.8	17.5	18.3	18.8	16.5	17.4	17.0	17.9	18.3
8H	4H	16.2	17.2	16.7	17.6	18.1	15.6	16.6	16.1	17.0	17.5
	6H	16.8	17.6	17.3	18.1	18.6	16.3	17.1	16.8	17.6	18.1
	8H	17.1	17.9	17.6	18.4	18.8	16.7	17.4	17.2	17.9	18.4
	12H	17.4	18.1	17.9	18.6	19.1	17.1	17.7	17.6	18.2	18.7
12H	4H	16.3	17.1	16.7	17.6	18.1	15.7	16.5	16.2	17.0	17.5
	6H	16.9	17.6	17.4	18.1	18.6	16.4	17.1	16.9	17.6	18.1
	8H	17.2	17.9	17.7	18.4	18.9	16.8	17.5	17.3	18.0	18.5















(END OF REPORT)