

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: P1526754

Luminaire Tested: 14CGTX-30-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-30-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

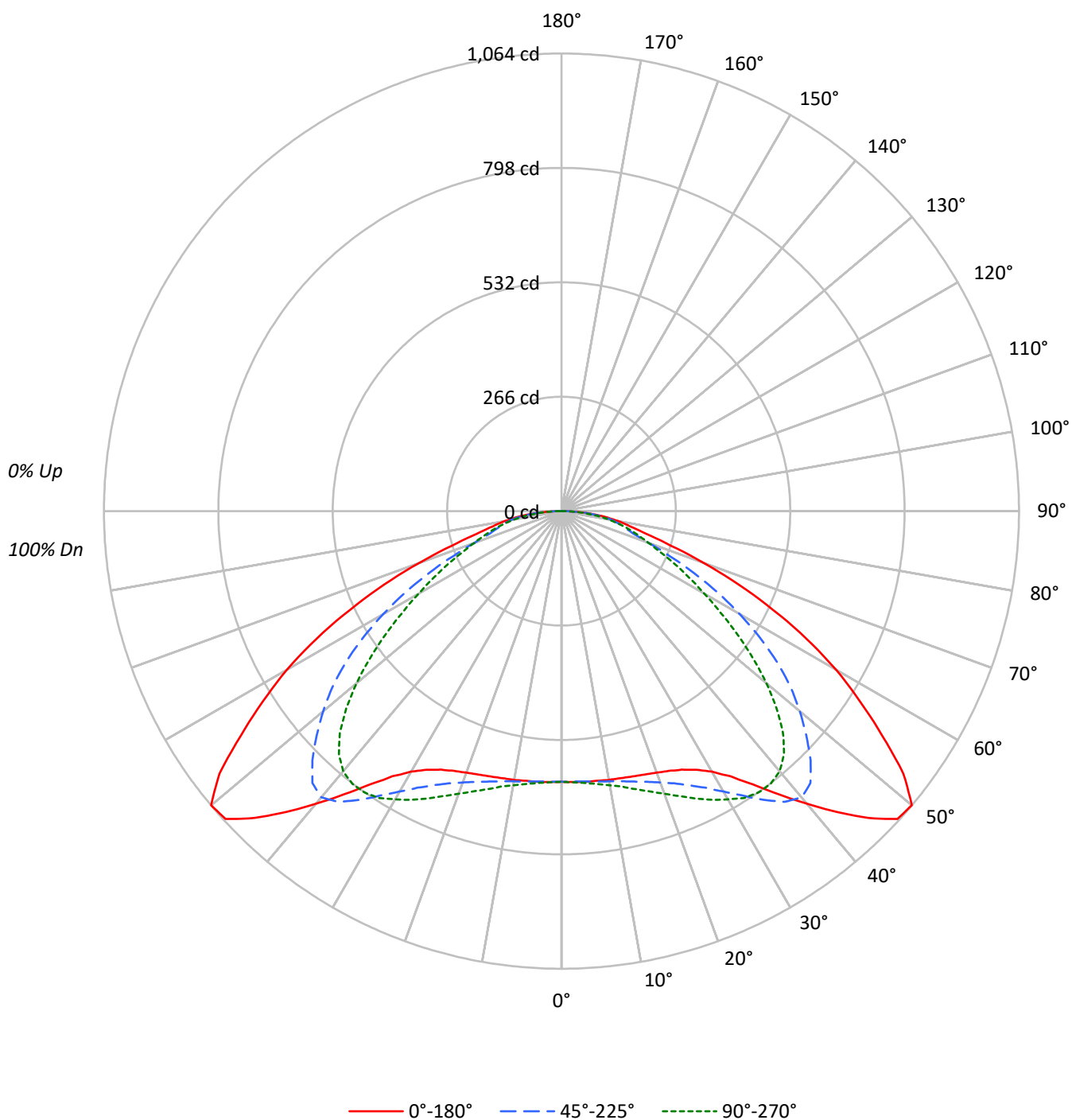
Lumens per Lamp: N/A
Luminaire Lumens: 2948.0 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
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	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	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47			
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39			
6	67	53	44	37	65	52	43	37	50	42	36	49	42	36	47	41	36	34			
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1694	1694	1694
5°	1706	1704	1714
10°	1733	1743	1768
15°	1779	1813	1865
20°	1853	1922	2002
25°	1969	2087	2188
30°	2172	2339	2404
35°	2547	2691	2624
40°	3118	3052	2773
45°	3839	3118	2773
50°	4453	3028	2605
55°	4272	2870	2343
60°	3969	2576	2062
65°	3457	2157	1848
70°	2766	1696	1696
75°	2122	1608	1684
80°	2083	1857	1714
85°	2093	2056	1680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	2.1
10°-20°	185.8	6.3
20°-30°	327.0	11.1
30°-40°	506.6	17.2
40°-50°	645.4	21.9
50°-60°	587.2	19.9
60°-70°	380.8	12.9
70°-80°	185.2	6.3
80°-90°	69.4	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°	573.4	19.5
0°-40°	1080.0	36.6
0°-60°	2312.6	78.4
0°-90°	2948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	629	629	629	629	629	
5°	632	632	631	632	634	60
15°	639	643	651	663	669	181
25°	663	677	703	728	737	309
35°	775	809	819	806	799	494
45°	1009	947	819	748	729	775
55°	910	799	612	527	499	813
65°	543	481	339	294	290	538
75°	204	187	155	147	162	231
85°	68	74	67	61	54	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	629.4	629.4	629.4	629.4	629.4
2.5°	630.6	631.3	629.4	629.8	631.0
5°	631.7	632.5	631.0	632.1	634.4
7.5°	632.5	634.0	634.0	636.7	639.8
10°	634.4	635.9	637.9	643.2	647.0
12.5°	635.9	638.6	643.2	652.0	656.2
15°	638.6	642.8	650.9	663.1	669.3
17.5°	642.1	648.2	659.7	675.8	683.0
20°	647.0	655.1	671.2	690.3	699.1
22.5°	653.6	664.3	684.9	707.5	717.1
25°	663.1	676.9	702.9	727.8	737.0
27.5°	677.7	694.9	724.8	749.7	756.5
30°	699.1	720.6	752.7	769.9	773.8
32.5°	730.9	758.5	784.1	789.9	790.6
35°	775.3	809.0	819.3	805.9	798.7
37.5°	829.7	867.2	851.9	812.1	799.0
40°	887.5	918.1	868.7	807.1	789.5
42.5°	948.7	947.2	857.2	785.3	766.1
45°	1008.9	946.8	819.3	747.7	728.6
47.5°	1059.4	918.1	772.2	701.4	678.8
50°	1063.6	880.6	723.2	645.1	622.2
52.5°	1002.3	843.5	671.5	586.9	560.5
55°	910.5	798.7	611.8	527.2	499.3
57.5°	823.5	740.1	546.7	465.6	438.0
60°	737.4	664.7	478.6	405.8	383.2
62.5°	642.1	577.0	408.9	346.5	334.6
65°	542.9	480.9	338.8	293.7	290.2
67.5°	446.8	389.8	271.8	243.9	248.1
70°	351.5	307.8	215.6	209.0	215.6
72.5°	267.2	242.7	175.4	176.9	187.6
75°	204.1	186.8	154.7	147.4	162.0
77.5°	163.5	152.4	137.1	126.3	137.1
80°	134.4	131.7	119.8	107.2	110.6
82.5°	101.5	103.4	94.2	87.7	83.5
85°	67.8	73.9	66.6	60.9	54.4
87.5°	34.1	41.3	35.2	31.4	27.9
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	18.2	19.9	18.6	20.2	20.5	14.7	16.5	15.1	16.8	17.1
	3H	19.5	21.0	19.8	21.4	21.7	16.0	17.6	16.4	17.9	18.3
	4H	19.8	21.3	20.2	21.6	22.0	16.6	18.1	17.0	18.4	18.8
	6H	20.1	21.5	20.5	21.9	22.2	17.1	18.5	17.5	18.9	19.3
	8H	20.3	21.6	20.7	22.0	22.3	17.4	18.7	17.8	19.1	19.5
	12H	20.4	21.6	20.8	22.0	22.4	17.5	18.8	18.0	19.2	19.6
4H	2H	18.4	19.8	18.7	20.2	20.5	15.4	16.9	15.8	17.2	17.6
	3H	19.8	21.0	20.2	21.4	21.8	16.9	18.1	17.3	18.5	18.9
	4H	20.3	21.4	20.7	21.8	22.2	17.5	18.6	18.0	19.1	19.5
	6H	20.7	21.7	21.2	22.2	22.6	18.2	19.2	18.7	19.6	20.1
	8H	20.9	21.9	21.4	22.3	22.8	18.5	19.4	19.0	19.9	20.3
	12H	21.1	22.0	21.6	22.4	22.9	18.8	19.6	19.2	20.1	20.5
8H	4H	20.4	21.3	20.9	21.8	22.2	17.9	18.8	18.3	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.7	18.7	19.5	19.2	20.0	20.4
	8H	21.3	22.0	21.8	22.5	22.9	19.1	19.8	19.6	20.3	20.8
	12H	21.6	22.2	22.1	22.7	23.2	19.5	20.1	20.0	20.6	21.1
12H	4H	20.4	21.2	20.9	21.7	22.2	17.9	18.8	18.4	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.7	18.8	19.5	19.4	20.0	20.5
	8H	21.4	22.0	21.9	22.5	23.0	19.3	19.9	19.8	20.4	21.0















(END OF REPORT)