

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: P1526751

Luminaire Tested: 14CGTX-30-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526751
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

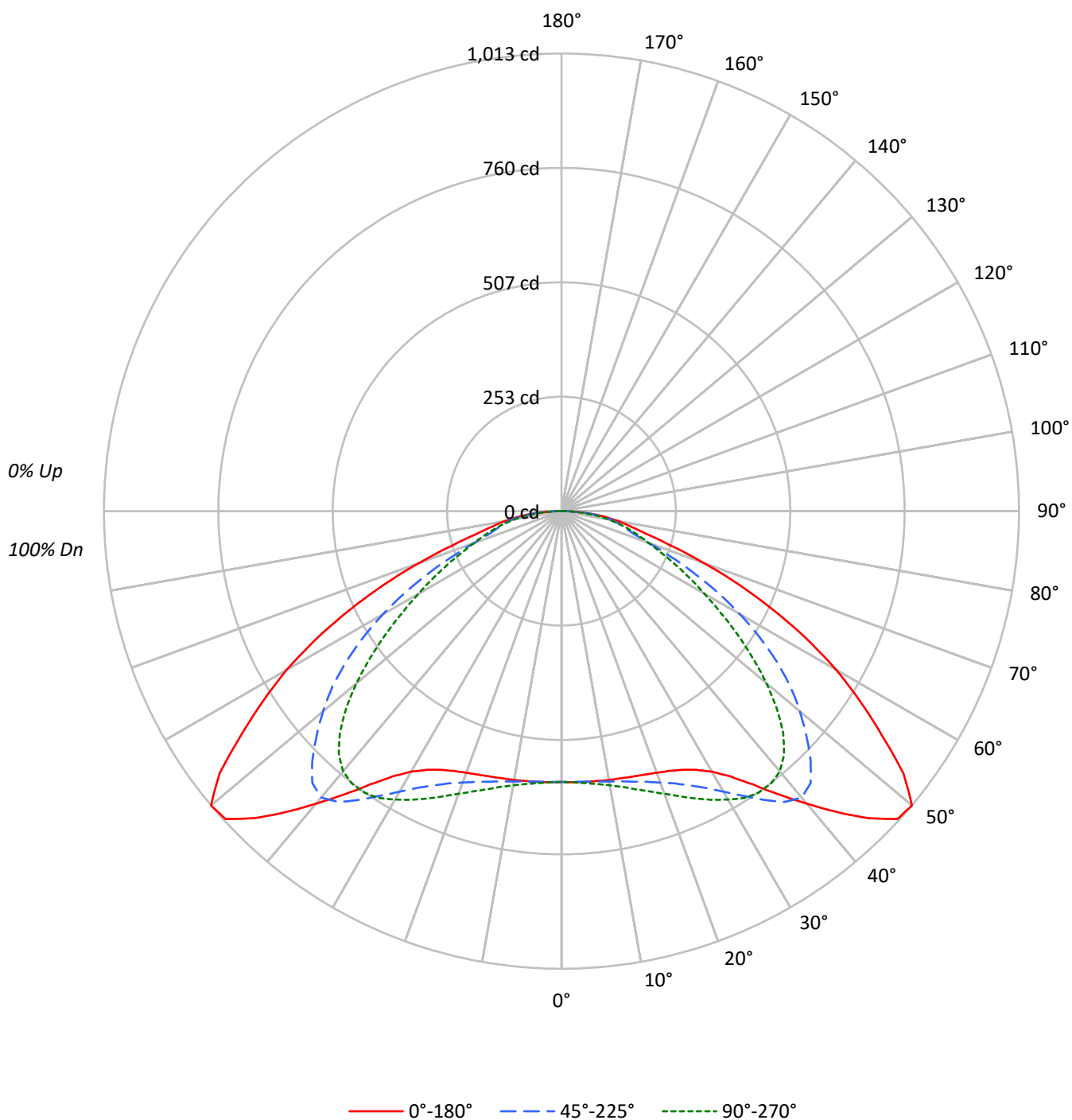
Lumens per Lamp: N/A
Luminaire Lumens: 2807.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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	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°	1613	1613	1613
5°	1625	1623	1632
10°	1651	1660	1684
15°	1694	1727	1776
20°	1765	1830	1907
25°	1875	1988	2084
30°	2069	2228	2290
35°	2426	2563	2499
40°	2969	2907	2641
45°	3656	2970	2641
50°	4241	2884	2480
55°	4068	2734	2231
60°	3780	2453	1964
65°	3293	2055	1760
70°	2633	1615	1615
75°	2021	1531	1603
80°	1984	1768	1633
85°	1991	1958	1599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	2.1
10°-20°	177.0	6.3
20°-30°	311.5	11.1
30°-40°	482.5	17.2
40°-50°	614.6	21.9
50°-60°	559.2	19.9
60°-70°	362.7	12.9
70°-80°	176.4	6.3
80°-90°	66.1	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°	546.1	19.5
0°-40°	1028.6	36.6
0°-60°	2202.5	78.4
0°-90°	2807.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2807.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	600	600	600	600	600	
5°	602	602	601	602	604	57
15°	608	612	620	632	637	173
25°	632	645	670	693	702	295
35°	738	770	780	768	761	470
45°	961	902	780	712	694	738
55°	867	761	583	502	476	774
65°	517	458	323	280	276	512
75°	194	178	147	140	154	220
85°	64	70	63	58	52	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	599.5	599.5	599.5	599.5	599.5
2.5°	600.6	601.3	599.5	599.8	600.9
5°	601.6	602.4	600.9	602.0	604.2
7.5°	602.4	603.8	603.8	606.4	609.3
10°	604.2	605.7	607.5	612.6	616.2
12.5°	605.7	608.2	612.6	621.0	625.0
15°	608.2	612.2	619.9	631.5	637.4
17.5°	611.5	617.3	628.3	643.6	650.5
20°	616.2	623.9	639.2	657.4	665.8
22.5°	622.4	632.6	652.3	673.8	683.0
25°	631.5	644.7	669.5	693.2	701.9
27.5°	645.4	661.8	690.3	714.0	720.5
30°	665.8	686.2	716.9	733.3	736.9
32.5°	696.1	722.3	746.8	752.2	753.0
35°	738.4	770.5	780.3	767.6	760.6
37.5°	790.2	825.9	811.3	773.4	761.0
40°	845.2	874.4	827.4	768.6	751.9
42.5°	903.6	902.1	816.4	747.9	729.6
45°	960.8	901.7	780.3	712.1	693.9
47.5°	1008.9	874.4	735.5	668.0	646.5
50°	1013.0	838.7	688.8	614.4	592.5
52.5°	954.6	803.3	639.6	559.0	533.8
55°	867.1	760.6	582.7	502.1	475.5
57.5°	784.3	704.8	520.7	443.4	417.1
60°	702.3	633.0	455.8	386.5	365.0
62.5°	611.5	549.5	389.4	330.0	318.7
65°	517.1	458.0	322.7	279.7	276.4
67.5°	425.5	371.2	258.9	232.3	236.3
70°	334.7	293.2	205.3	199.1	205.3
72.5°	254.5	231.2	167.0	168.5	178.7
75°	194.4	177.9	147.3	140.4	154.2
77.5°	155.7	145.1	130.5	120.3	130.5
80°	128.0	125.4	114.1	102.1	105.4
82.5°	96.6	98.5	89.7	83.5	79.5
85°	64.5	70.4	63.4	58.0	51.8
87.5°	32.5	39.4	33.5	29.9	26.6
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	18.0	19.7	18.4	20.1	20.4	14.6	16.3	14.9	16.6	16.9
	3H	19.3	20.9	19.7	21.2	21.5	15.9	17.4	16.2	17.7	18.1
	4H	19.7	21.1	20.1	21.5	21.9	16.4	17.9	16.8	18.2	18.6
	6H	20.0	21.3	20.4	21.7	22.1	17.0	18.3	17.4	18.7	19.1
	8H	20.1	21.4	20.5	21.8	22.2	17.2	18.5	17.6	18.9	19.3
	12H	20.2	21.4	20.6	21.8	22.3	17.4	18.6	17.8	19.0	19.4
4H	2H	18.2	19.7	18.6	20.0	20.4	15.2	16.7	15.6	17.1	17.4
	3H	19.6	20.9	20.1	21.3	21.7	16.7	17.9	17.1	18.3	18.7
	4H	20.1	21.2	20.5	21.6	22.1	17.4	18.5	17.8	18.9	19.3
	6H	20.6	21.5	21.0	22.0	22.4	18.0	19.0	18.5	19.5	19.9
	8H	20.8	21.7	21.2	22.1	22.6	18.3	19.3	18.8	19.7	20.2
	12H	21.0	21.8	21.4	22.3	22.7	18.6	19.4	19.1	19.9	20.4
8H	4H	20.2	21.1	20.7	21.6	22.0	17.7	18.6	18.2	19.1	19.5
	6H	20.8	21.6	21.3	22.1	22.5	18.5	19.3	19.0	19.8	20.3
	8H	21.1	21.8	21.6	22.3	22.8	18.9	19.6	19.5	20.1	20.6
	12H	21.4	22.0	21.9	22.5	23.0	19.3	19.9	19.8	20.4	21.0
12H	4H	20.2	21.1	20.7	21.5	22.0	17.8	18.6	18.2	19.1	19.5
	6H	20.9	21.5	21.4	22.0	22.5	18.7	19.4	19.2	19.8	20.4
	8H	21.2	21.8	21.7	22.3	22.9	19.1	19.8	19.6	20.2	20.8















(END OF REPORT)