

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: P1526752

Luminaire Tested: 14CGTX-30-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526752
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

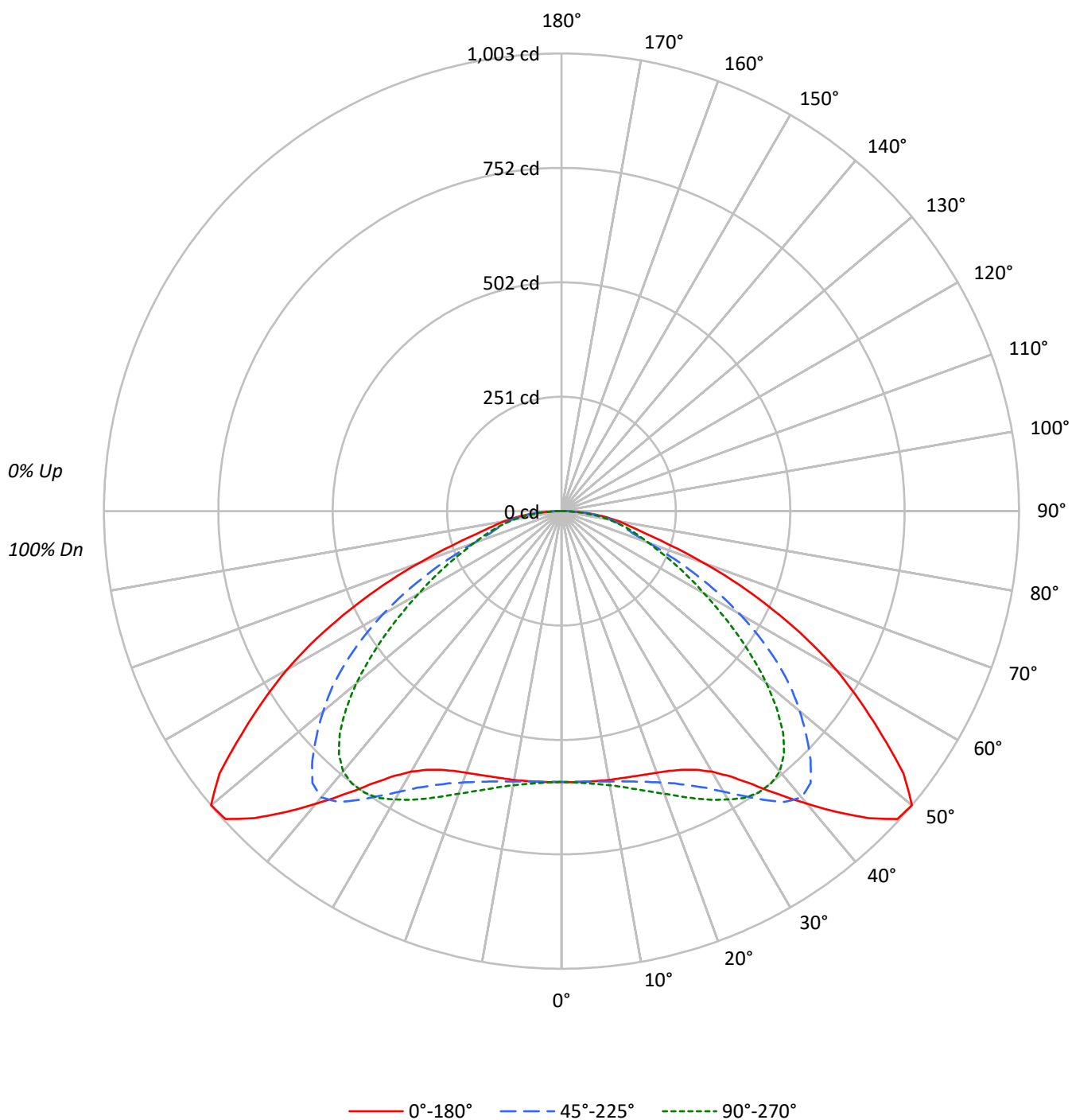
Lumens per Lamp: N/A
Luminaire Lumens: 2779.5 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526752

CATALOG NUMBER: 14CGTX-30-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526752

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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°	1597	1597	1597
5°	1609	1607	1616
10°	1635	1643	1667
15°	1677	1710	1758
20°	1747	1812	1888
25°	1856	1968	2063
30°	2048	2205	2267
35°	2401	2538	2474
40°	2940	2877	2615
45°	3620	2940	2614
50°	4198	2855	2456
55°	4027	2707	2208
60°	3742	2428	1945
65°	3259	2034	1742
70°	2607	1599	1599
75°	2000	1516	1588
80°	1963	1751	1616
85°	1973	1939	1584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4198 cd/sqm

TEST NUMBER: P1526752

CATALOG NUMBER: 14CGTX-30-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	2.1
10°-20°	175.2	6.3
20°-30°	308.3	11.1
30°-40°	477.6	17.2
40°-50°	608.5	21.9
50°-60°	553.6	19.9
60°-70°	359.0	12.9
70°-80°	174.6	6.3
80°-90°	65.4	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°	540.6	19.5
0°-40°	1018.3	36.6
0°-60°	2180.4	78.4
0°-90°	2779.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2779.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	594	594	594	594	594	
5°	596	596	595	596	598	57
15°	602	606	614	625	631	171
25°	625	638	663	686	695	292
35°	731	763	772	760	753	466
45°	951	893	772	705	687	731
55°	858	753	577	497	471	766
65°	512	453	320	277	274	507
75°	192	176	146	139	153	218
85°	64	70	63	57	51	69
90°	0	0	0	0	0	

TEST NUMBER: P1526752

CATALOG NUMBER: 14CGTX-30-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.5	593.5	593.5	593.5	593.5
2.5°	594.5	595.3	593.5	593.8	594.9
5°	595.6	596.4	594.9	596.0	598.2
7.5°	596.4	597.8	597.8	600.3	603.2
10°	598.2	599.6	601.4	606.5	610.1
12.5°	599.6	602.1	606.5	614.8	618.7
15°	602.1	606.1	613.7	625.2	631.0
17.5°	605.4	611.2	622.0	637.1	644.0
20°	610.1	617.7	632.8	650.9	659.2
22.5°	616.2	626.3	645.8	667.1	676.1
25°	625.2	638.2	662.8	686.2	694.9
27.5°	638.9	655.2	683.4	706.8	713.3
30°	659.2	679.4	709.7	725.9	729.6
32.5°	689.1	715.1	739.3	744.7	745.4
35°	731.0	762.8	772.5	759.9	753.0
37.5°	782.3	817.6	803.2	765.7	753.4
40°	836.8	865.6	819.1	761.0	744.4
42.5°	894.5	893.1	808.3	740.4	722.3
45°	951.2	892.7	772.5	705.0	687.0
47.5°	998.9	865.6	728.1	661.3	640.0
50°	1002.8	830.3	681.9	608.3	586.6
52.5°	945.1	795.3	633.2	553.4	528.5
55°	858.4	753.0	576.9	497.1	470.7
57.5°	776.5	697.8	515.5	439.0	413.0
60°	695.3	626.7	451.2	382.6	361.3
62.5°	605.4	544.0	385.5	326.7	315.5
65°	511.9	453.4	319.5	276.9	273.6
67.5°	421.3	367.5	256.3	229.9	233.9
70°	331.4	290.2	203.2	197.1	203.2
72.5°	252.0	228.9	165.3	166.8	176.9
75°	192.4	176.2	145.8	139.0	152.7
77.5°	154.1	143.7	129.2	119.1	129.2
80°	126.7	124.2	113.0	101.1	104.3
82.5°	95.7	97.5	88.8	82.7	78.7
85°	63.9	69.7	62.8	57.4	51.3
87.5°	32.1	39.0	33.2	29.6	26.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526752

CATALOG NUMBER: 14CGTX-30-A125-L835

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	18.3	20.0	20.3	14.5	16.3	14.9	16.6	16.9
	3H	19.3	20.8	19.6	21.2	21.5	15.8	17.4	16.2	17.7	18.1
	4H	19.6	21.1	20.0	21.4	21.8	16.4	17.9	16.8	18.2	18.6
	6H	19.9	21.3	20.3	21.7	22.0	16.9	18.3	17.3	18.7	19.1
	8H	20.1	21.4	20.5	21.7	22.1	17.2	18.5	17.6	18.9	19.2
	12H	20.2	21.4	20.6	21.8	22.2	17.3	18.6	17.8	19.0	19.4
4H	2H	18.1	19.6	18.5	20.0	20.3	15.2	16.7	15.6	17.0	17.4
	3H	19.6	20.8	20.0	21.2	21.6	16.6	17.9	17.1	18.3	18.7
	4H	20.1	21.2	20.5	21.6	22.0	17.3	18.4	17.7	18.8	19.3
	6H	20.5	21.5	21.0	22.0	22.4	18.0	19.0	18.5	19.4	19.9
	8H	20.7	21.7	21.2	22.1	22.6	18.3	19.2	18.8	19.7	20.1
	12H	20.9	21.7	21.4	22.2	22.7	18.6	19.4	19.0	19.8	20.3
8H	4H	20.2	21.1	20.6	21.5	22.0	17.7	18.6	18.1	19.0	19.5
	6H	20.8	21.5	21.3	22.0	22.5	18.5	19.3	19.0	19.8	20.2
	8H	21.1	21.8	21.6	22.3	22.7	18.9	19.6	19.4	20.1	20.6
	12H	21.4	22.0	21.9	22.5	23.0	19.3	19.9	19.8	20.4	20.9
12H	4H	20.2	21.0	20.7	21.5	22.0	17.7	18.6	18.2	19.0	19.5
	6H	20.8	21.5	21.3	22.0	22.5	18.6	19.3	19.2	19.8	20.3
	8H	21.2	21.8	21.7	22.3	22.8	19.1	19.7	19.6	20.2	20.8















(END OF REPORT)