

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: P1526969

Luminaire Tested: 14CGTX-30-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-30-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

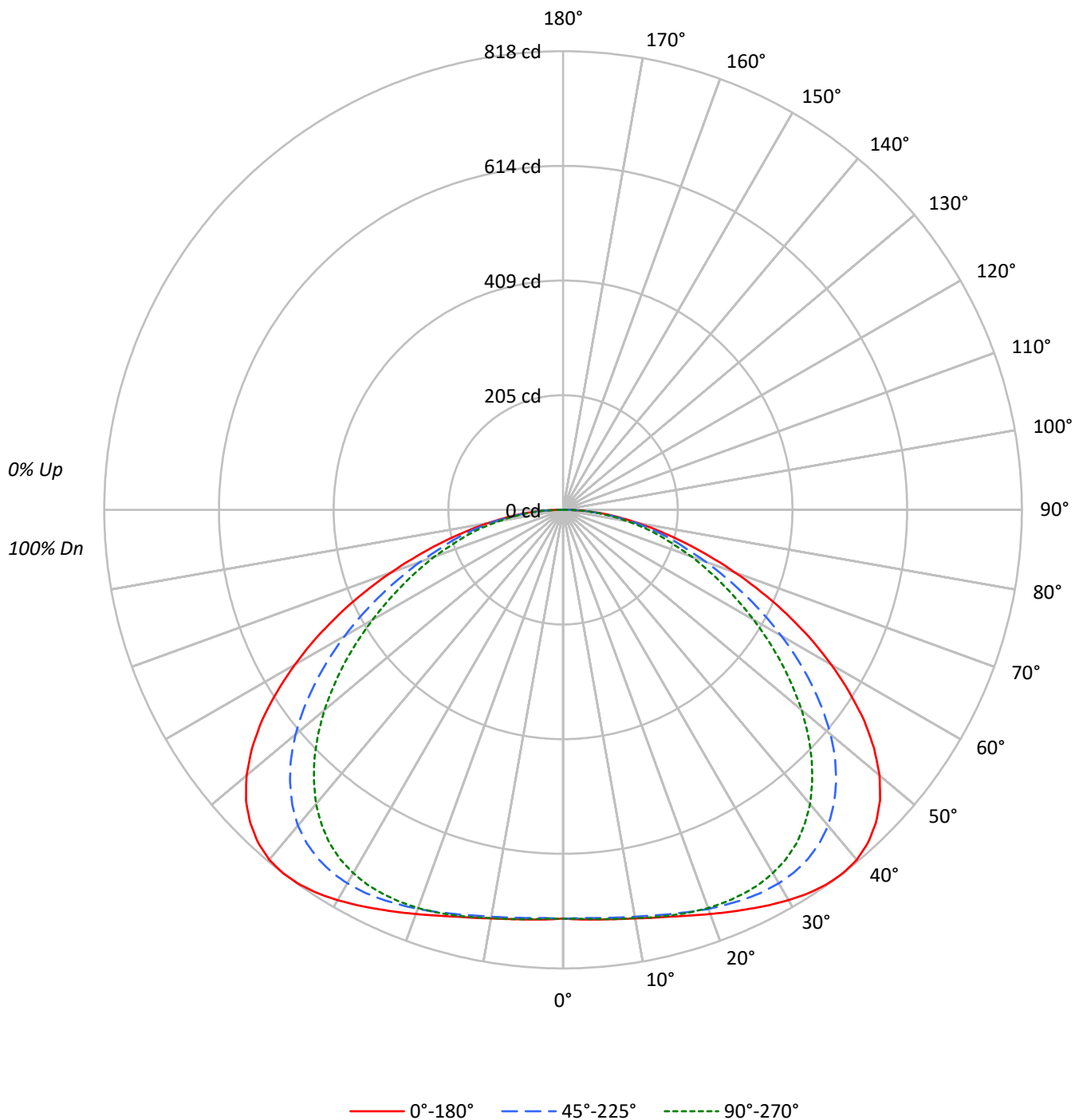
Lumens per Lamp: N/A
Luminaire Lumens: 2794.2 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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	94	105	101	97	93	96	93	90		93	90	87		89	87	85		82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58		56
4	81	68	59	52	78	67	58	52	64	57	51		62	56	50		60	54	50		47
5	74	61	51	44	72	59	51	44	57	50	44		55	48	43		53	47	43		40
6	68	54	45	38	66	53	44	38	51	44	38		50	43	37		48	42	37		35
7	63	49	40	33	61	48	39	33	46	39	33		45	38	33		44	37	32		30
8	58	44	36	29	57	44	35	29	42	35	29		41	34	29		40	34	29		27
9	54	41	32	26	53	40	32	26	39	31	26		38	31	26		37	30	26		24
10	51	37	29	24	50	37	29	24	36	28	23		35	28	23		34	28	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1962	1962	1962
5°	1981	1974	1979
10°	2022	2013	2020
15°	2092	2079	2086
20°	2197	2170	2164
25°	2332	2275	2246
30°	2498	2390	2325
35°	2683	2498	2385
40°	2862	2583	2406
45°	3002	2619	2385
50°	3083	2605	2324
55°	3075	2533	2227
60°	2972	2418	2111
65°	2800	2271	1996
70°	2562	2125	1919
75°	2305	2047	1854
80°	2108	1988	1791
85°	2025	1902	1791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3089 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	2.5
10°-20°	212.5	7.6
20°-30°	355.5	12.7
30°-40°	479.1	17.1
40°-50°	537.4	19.2
50°-60°	493.1	17.6
60°-70°	364.7	13.1
70°-80°	212.2	7.6
80°-90°	69.8	2.5
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°	638.1	22.8
0°-40°	1117.1	40.0
0°-60°	2147.6	76.9
0°-90°	2794.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2794.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	734	733	731	731	733	70
15°	751	750	746	747	749	214
25°	785	780	766	758	756	364
35°	817	800	760	734	726	511
45°	789	759	688	642	627	606
55°	656	618	540	490	475	582
65°	440	413	357	324	314	435
75°	222	219	197	181	178	237
85°	66	67	62	62	58	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.1	729.1	729.1	729.1	729.1
2.5°	731.3	731.3	728.8	729.5	730.2
5°	733.5	733.2	730.6	731.0	732.8
7.5°	736.1	736.1	733.5	733.5	736.1
10°	740.1	739.4	736.8	737.5	739.4
12.5°	745.2	743.7	741.2	741.9	744.1
15°	751.0	749.6	746.3	747.0	748.8
17.5°	758.7	756.5	751.7	751.7	752.8
20°	767.1	763.4	757.6	754.7	755.8
22.5°	776.2	771.4	762.0	756.9	757.2
25°	785.3	779.5	766.3	757.9	756.5
27.5°	795.1	786.7	768.9	757.2	754.3
30°	803.9	793.3	769.2	753.2	748.1
32.5°	811.5	797.7	766.7	745.5	739.0
35°	816.6	799.5	760.5	733.9	725.9
37.5°	818.1	797.3	750.3	717.8	707.3
40°	814.8	790.4	735.3	696.7	685.0
42.5°	805.0	778.0	714.2	671.2	657.3
45°	788.9	759.0	688.3	641.6	626.7
47.5°	766.7	732.8	658.1	607.7	592.1
50°	736.4	700.7	622.3	570.9	555.2
52.5°	698.9	661.7	582.6	531.9	515.1
55°	655.5	617.9	539.9	489.6	474.7
57.5°	604.8	570.2	495.1	447.3	433.1
60°	552.3	519.5	449.2	405.0	392.3
62.5°	496.9	467.0	402.9	363.1	352.2
65°	439.7	413.1	356.6	324.1	313.5
67.5°	382.4	362.0	312.4	283.6	277.8
70°	325.6	310.3	270.1	251.2	243.9
72.5°	271.6	263.6	230.0	217.3	207.4
75°	221.7	218.7	196.9	181.2	178.3
77.5°	176.5	180.8	161.9	150.6	148.0
80°	136.0	140.4	128.3	118.9	115.6
82.5°	99.2	105.0	93.0	90.8	87.5
85°	65.6	67.4	61.6	62.3	58.0
87.5°	32.1	35.7	32.4	33.5	31.4
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	16.5	18.2	16.9	18.6	18.9	14.7	16.4	15.1	16.8	17.1
	3H	18.3	19.8	18.7	20.2	20.5	16.5	18.0	16.8	18.3	18.7
	4H	18.9	20.4	19.3	20.7	21.1	17.2	18.6	17.6	19.0	19.3
	6H	19.4	20.8	19.8	21.1	21.5	17.7	19.1	18.1	19.4	19.8
	8H	19.6	20.9	20.0	21.3	21.7	18.0	19.2	18.4	19.6	20.0
	12H	19.7	21.0	20.2	21.3	21.8	18.1	19.4	18.6	19.7	20.2
4H	2H	17.0	18.4	17.4	18.8	19.1	15.5	17.0	15.9	17.3	17.7
	3H	18.9	20.2	19.4	20.6	21.0	17.4	18.7	17.9	19.1	19.5
	4H	19.7	20.9	20.2	21.3	21.7	18.3	19.4	18.7	19.8	20.2
	6H	20.4	21.4	20.9	21.8	22.3	19.0	19.9	19.4	20.4	20.8
	8H	20.7	21.6	21.1	22.0	22.5	19.3	20.2	19.7	20.6	21.1
	12H	20.8	21.7	21.3	22.1	22.6	19.5	20.3	20.0	20.8	21.2
8H	4H	20.0	20.9	20.5	21.4	21.8	18.7	19.6	19.1	20.0	20.5
	6H	20.8	21.6	21.3	22.0	22.5	19.5	20.3	20.0	20.8	21.3
	8H	21.1	21.8	21.6	22.3	22.8	19.9	20.6	20.4	21.1	21.6
	12H	21.4	22.0	21.9	22.5	23.1	20.2	20.9	20.7	21.3	21.9
12H	4H	20.0	20.9	20.5	21.3	21.8	18.8	19.6	19.2	20.1	20.5
	6H	20.9	21.6	21.4	22.0	22.6	19.7	20.4	20.2	20.8	21.3
	8H	21.3	21.9	21.8	22.4	22.9	20.1	20.7	20.6	21.2	21.7













(END OF REPORT)