

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: P1526968

Luminaire Tested: 14CGTX-30-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526968
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-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

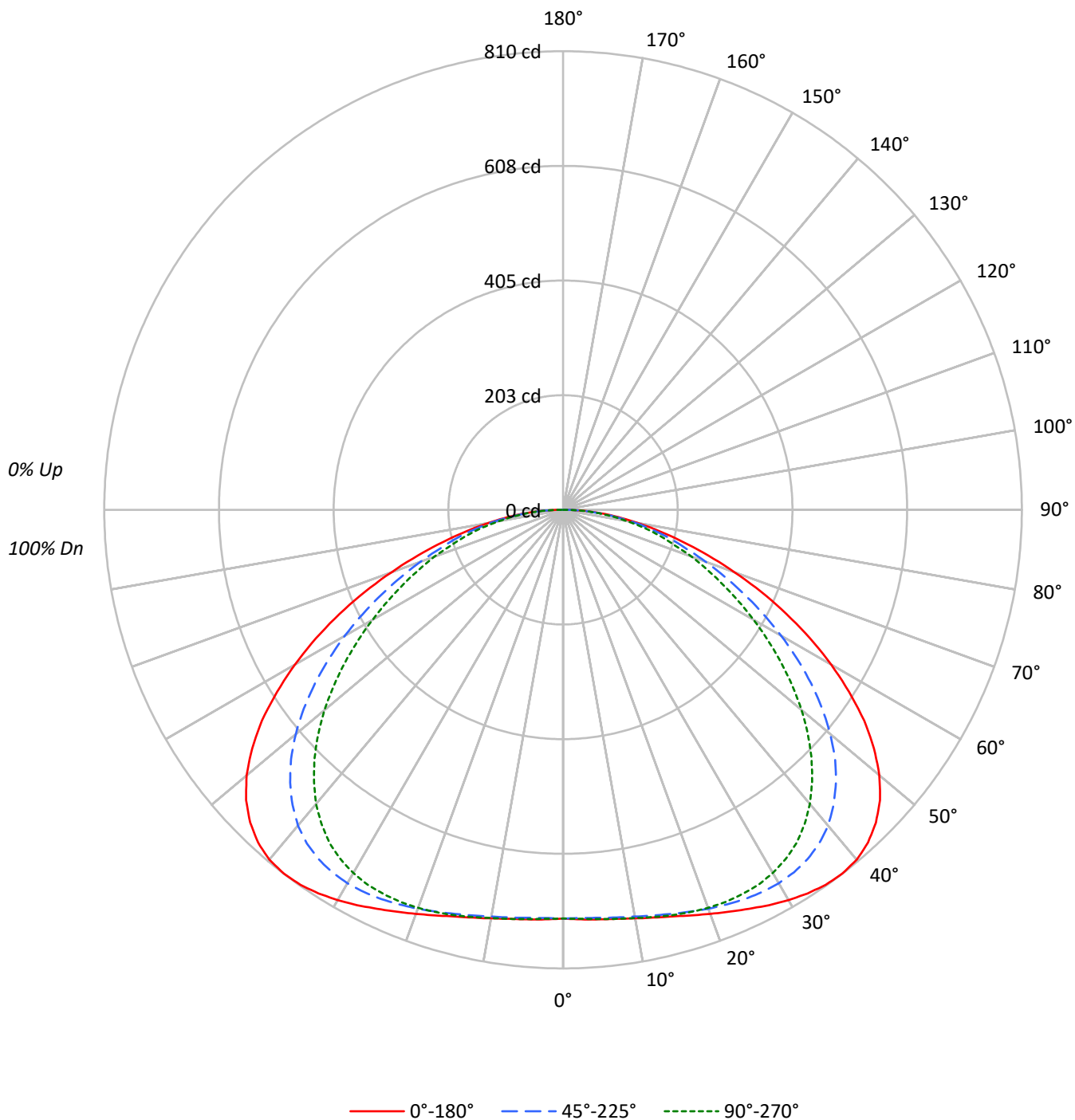
Lumens per Lamp: N/A
Luminaire Lumens: 2766.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 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	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°	1942	1942	1942
5°	1961	1954	1959
10°	2002	1993	2000
15°	2071	2058	2065
20°	2174	2147	2142
25°	2308	2252	2224
30°	2473	2366	2301
35°	2656	2473	2360
40°	2833	2557	2382
45°	2972	2593	2361
50°	3052	2579	2301
55°	3044	2508	2205
60°	2943	2393	2090
65°	2771	2248	1976
70°	2536	2104	1899
75°	2281	2026	1835
80°	2086	1968	1773
85°	2007	1883	1772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 3058 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	2.5
10°-20°	210.3	7.6
20°-30°	352.0	12.7
30°-40°	474.2	17.1
40°-50°	531.9	19.2
50°-60°	488.1	17.6
60°-70°	361.0	13.1
70°-80°	210.0	7.6
80°-90°	69.1	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°	631.6	22.8
0°-40°	1105.9	40.0
0°-60°	2125.9	76.9
0°-90°	2766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	726	726	723	724	725	69
15°	743	742	739	740	741	211
25°	777	772	759	750	749	360
35°	808	791	753	726	718	506
45°	781	751	681	635	620	600
55°	649	612	534	485	470	576
65°	435	409	353	321	310	430
75°	219	216	195	179	176	235
85°	65	67	61	62	57	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.8	721.8	721.8	721.8	721.8
2.5°	724.0	724.0	721.4	722.1	722.9
5°	726.1	725.8	723.2	723.6	725.4
7.5°	728.6	728.6	726.1	726.1	728.6
10°	732.6	731.9	729.4	730.1	731.9
12.5°	737.7	736.2	733.7	734.4	736.6
15°	743.4	742.0	738.7	739.5	741.3
17.5°	751.0	748.9	744.2	744.2	745.2
20°	759.3	755.7	749.9	747.0	748.1
22.5°	768.3	763.6	754.3	749.2	749.6
25°	777.4	771.6	758.6	750.3	748.9
27.5°	787.1	778.8	761.1	749.6	746.7
30°	795.8	785.3	761.5	745.6	740.6
32.5°	803.3	789.6	759.0	738.0	731.5
35°	808.4	791.4	752.8	726.5	718.5
37.5°	809.8	789.3	742.7	710.6	700.1
40°	806.6	782.4	727.9	689.7	678.1
42.5°	796.9	770.1	707.0	664.4	650.7
45°	781.0	751.4	681.4	635.2	620.4
47.5°	759.0	725.4	651.4	601.6	586.1
50°	729.0	693.6	616.0	565.2	549.6
52.5°	691.8	655.0	576.7	526.5	509.9
55°	648.9	611.7	534.5	484.7	469.9
57.5°	598.7	564.4	490.1	442.8	428.7
60°	546.8	514.3	444.6	401.0	388.3
62.5°	491.9	462.3	398.8	359.4	348.6
65°	435.2	408.9	353.0	320.8	310.4
67.5°	378.6	358.4	309.3	280.8	275.0
70°	322.3	307.1	267.4	248.7	241.4
72.5°	268.9	260.9	227.7	215.1	205.3
75°	219.4	216.5	194.9	179.4	176.5
77.5°	174.7	179.0	160.2	149.0	146.5
80°	134.6	138.9	127.0	117.7	114.4
82.5°	98.2	103.9	92.0	89.9	86.6
85°	65.0	66.8	61.0	61.7	57.4
87.5°	31.8	35.4	32.1	33.2	31.0
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	18.5	18.8	14.7	16.4	15.1	16.7	17.0
	3H	18.3	19.8	18.6	20.1	20.5	16.4	18.0	16.8	18.3	18.6
	4H	18.9	20.3	19.3	20.7	21.1	17.1	18.6	17.5	18.9	19.3
	6H	19.4	20.7	19.8	21.1	21.5	17.7	19.1	18.1	19.4	19.8
	8H	19.6	20.9	20.0	21.2	21.6	17.9	19.2	18.3	19.6	20.0
	12H	19.7	20.9	20.1	21.3	21.7	18.1	19.3	18.5	19.7	20.1
4H	2H	16.9	18.4	17.3	18.7	19.1	15.5	16.9	15.9	17.3	17.6
	3H	18.9	20.1	19.3	20.5	20.9	17.4	18.6	17.8	19.0	19.4
	4H	19.7	20.8	20.1	21.2	21.7	18.2	19.3	18.7	19.7	20.2
	6H	20.4	21.3	20.8	21.8	22.2	18.9	19.9	19.4	20.4	20.8
	8H	20.6	21.5	21.1	22.0	22.4	19.2	20.1	19.7	20.6	21.0
	12H	20.8	21.6	21.3	22.1	22.6	19.4	20.3	19.9	20.7	21.2
8H	4H	20.0	20.9	20.4	21.3	21.8	18.7	19.6	19.1	20.0	20.5
	6H	20.8	21.5	21.3	22.0	22.5	19.5	20.3	20.0	20.8	21.2
	8H	21.1	21.8	21.6	22.3	22.8	19.9	20.6	20.4	21.1	21.5
	12H	21.4	22.0	21.9	22.5	23.1	20.2	20.8	20.7	21.3	21.9
12H	4H	20.0	20.8	20.5	21.3	21.8	18.7	19.5	19.2	20.0	20.5
	6H	20.8	21.5	21.3	22.0	22.5	19.6	20.3	20.1	20.8	21.3
	8H	21.2	21.8	21.7	22.3	22.9	20.1	20.7	20.6	21.1	21.7















(END OF REPORT)