

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: P1526971

Luminaire Tested: 14CGTX-30-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526971
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

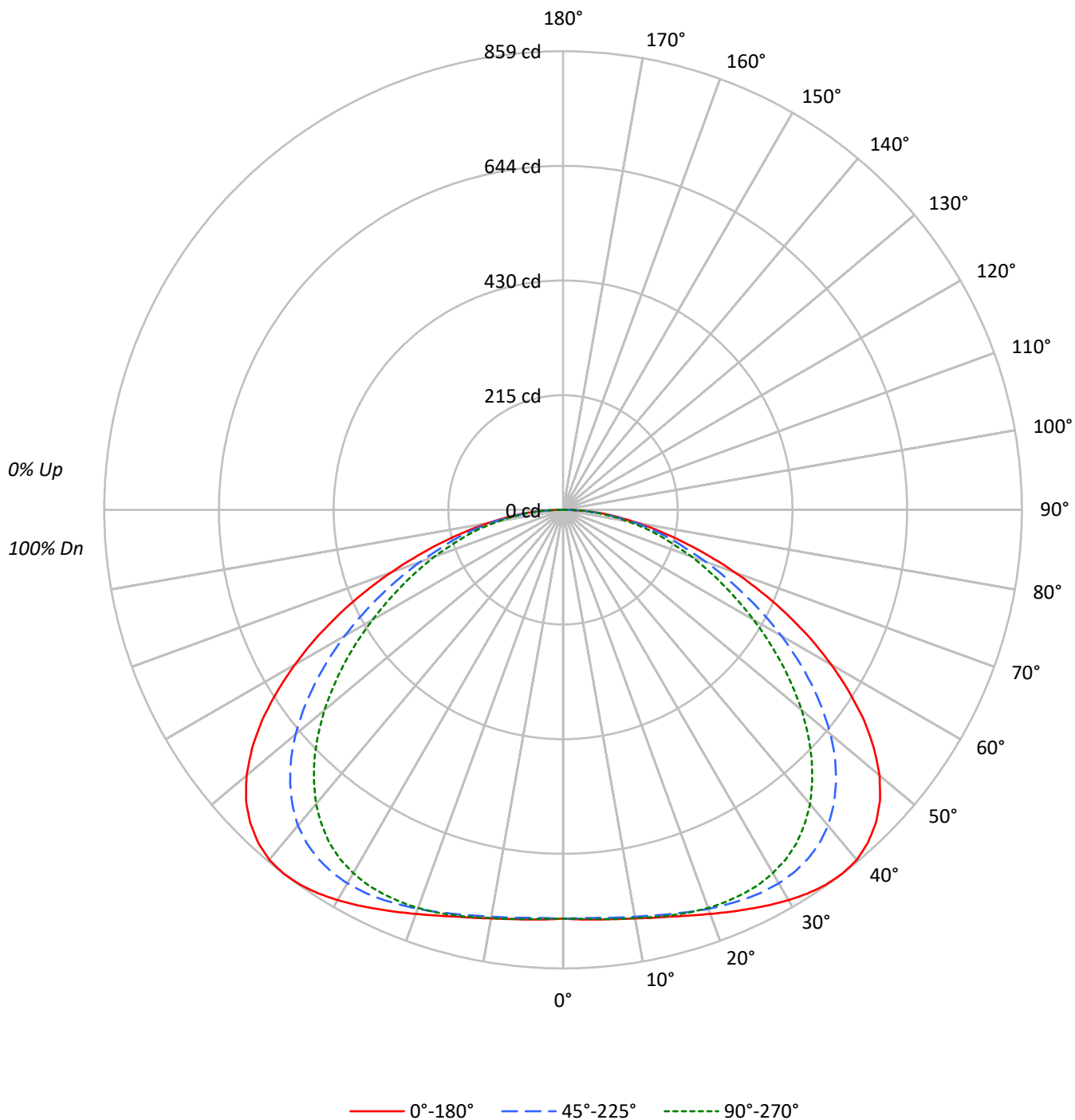
Lumens per Lamp: N/A
Luminaire Lumens: 2934.0 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2060	2060	2060
5°	2081	2072	2079
10°	2123	2114	2121
15°	2197	2183	2191
20°	2306	2278	2273
25°	2448	2389	2358
30°	2623	2510	2441
35°	2817	2623	2504
40°	3006	2712	2527
45°	3153	2750	2504
50°	3237	2736	2441
55°	3229	2660	2338
60°	3122	2538	2217
65°	2940	2384	2096
70°	2690	2232	2015
75°	2419	2149	1946
80°	2213	2087	1881
85°	2127	1998	1880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	2.5
10°-20°	223.1	7.6
20°-30°	373.3	12.7
30°-40°	503.0	17.1
40°-50°	564.2	19.2
50°-60°	517.8	17.6
60°-70°	382.9	13.1
70°-80°	222.8	7.6
80°-90°	73.2	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°	670.0	22.8
0°-40°	1173.0	40.0
0°-60°	2255.0	76.9
0°-90°	2934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	770	770	767	768	770	74
15°	789	787	784	784	786	224
25°	825	818	805	796	794	382
35°	858	840	798	771	762	537
45°	828	797	723	674	658	637
55°	688	649	567	514	498	612
65°	462	434	374	340	329	457
75°	233	230	207	190	187	249
85°	69	71	65	66	61	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.6	765.6	765.6	765.6	765.6
2.5°	767.9	767.9	765.2	766.0	766.8
5°	770.2	769.8	767.2	767.5	769.5
7.5°	772.9	772.9	770.2	770.2	772.9
10°	777.1	776.3	773.7	774.4	776.3
12.5°	782.5	780.9	778.3	779.0	781.3
15°	788.6	787.1	783.6	784.4	786.3
17.5°	796.6	794.3	789.4	789.4	790.5
20°	805.4	801.6	795.5	792.4	793.6
22.5°	815.0	810.0	800.1	794.7	795.1
25°	824.6	818.5	804.7	795.9	794.3
27.5°	834.9	826.1	807.4	795.1	792.0
30°	844.1	833.0	807.7	790.9	785.5
32.5°	852.1	837.6	805.1	782.9	776.0
35°	857.5	839.5	798.5	770.6	762.2
37.5°	859.0	837.2	787.8	753.8	742.7
40°	855.6	829.9	772.1	731.6	719.3
42.5°	845.2	816.9	749.9	704.8	690.2
45°	828.4	797.0	722.7	673.7	658.1
47.5°	805.1	769.5	691.0	638.1	621.7
50°	773.3	735.8	653.5	599.5	583.0
52.5°	733.9	694.8	611.7	558.5	540.9
55°	688.3	648.9	566.9	514.1	498.4
57.5°	635.1	598.7	519.9	469.7	454.8
60°	580.0	545.5	471.6	425.3	411.9
62.5°	521.8	490.4	423.0	381.3	369.8
65°	461.7	433.7	374.4	340.3	329.2
67.5°	401.6	380.1	328.1	297.8	291.7
70°	341.9	325.8	283.7	263.8	256.1
72.5°	285.2	276.8	241.6	228.2	217.8
75°	232.7	229.7	206.7	190.3	187.2
77.5°	185.3	189.9	170.0	158.1	155.4
80°	142.8	147.4	134.7	124.8	121.4
82.5°	104.1	110.2	97.6	95.3	91.9
85°	68.9	70.8	64.7	65.5	60.9
87.5°	33.7	37.5	34.1	35.2	32.9
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	16.7	18.4	17.1	18.7	19.0	14.9	16.6	15.3	16.9	17.2
	3H	18.5	20.0	18.8	20.3	20.7	16.6	18.2	17.0	18.5	18.9
	4H	19.1	20.6	19.5	20.9	21.3	17.3	18.8	17.7	19.1	19.5
	6H	19.6	20.9	20.0	21.3	21.7	17.9	19.3	18.3	19.6	20.0
	8H	19.8	21.1	20.2	21.4	21.8	18.1	19.4	18.5	19.8	20.2
	12H	19.9	21.1	20.3	21.5	21.9	18.3	19.5	18.7	19.9	20.3
4H	2H	17.1	18.6	17.5	18.9	19.3	15.7	17.1	16.1	17.5	17.8
	3H	19.1	20.3	19.5	20.7	21.1	17.6	18.8	18.0	19.2	19.6
	4H	19.9	21.0	20.3	21.4	21.9	18.4	19.5	18.9	20.0	20.4
	6H	20.6	21.6	21.0	22.0	22.4	19.1	20.1	19.6	20.6	21.0
	8H	20.8	21.7	21.3	22.2	22.6	19.4	20.3	19.9	20.8	21.2
	12H	21.0	21.8	21.5	22.3	22.8	19.7	20.5	20.1	20.9	21.4
8H	4H	20.2	21.1	20.6	21.5	22.0	18.9	19.8	19.3	20.2	20.7
	6H	21.0	21.7	21.5	22.2	22.7	19.7	20.5	20.2	21.0	21.4
	8H	21.3	22.0	21.8	22.5	23.0	20.1	20.8	20.6	21.3	21.8
	12H	21.6	22.2	22.1	22.7	23.3	20.4	21.0	20.9	21.5	22.1
12H	4H	20.2	21.0	20.7	21.5	22.0	18.9	19.7	19.4	20.2	20.7
	6H	21.0	21.7	21.6	22.2	22.7	19.8	20.5	20.3	21.0	21.5
	8H	21.4	22.0	21.9	22.5	23.1	20.3	20.9	20.8	21.4	21.9













(END OF REPORT)