

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: P1527029

Luminaire Tested: 22CGTX-35-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-35-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

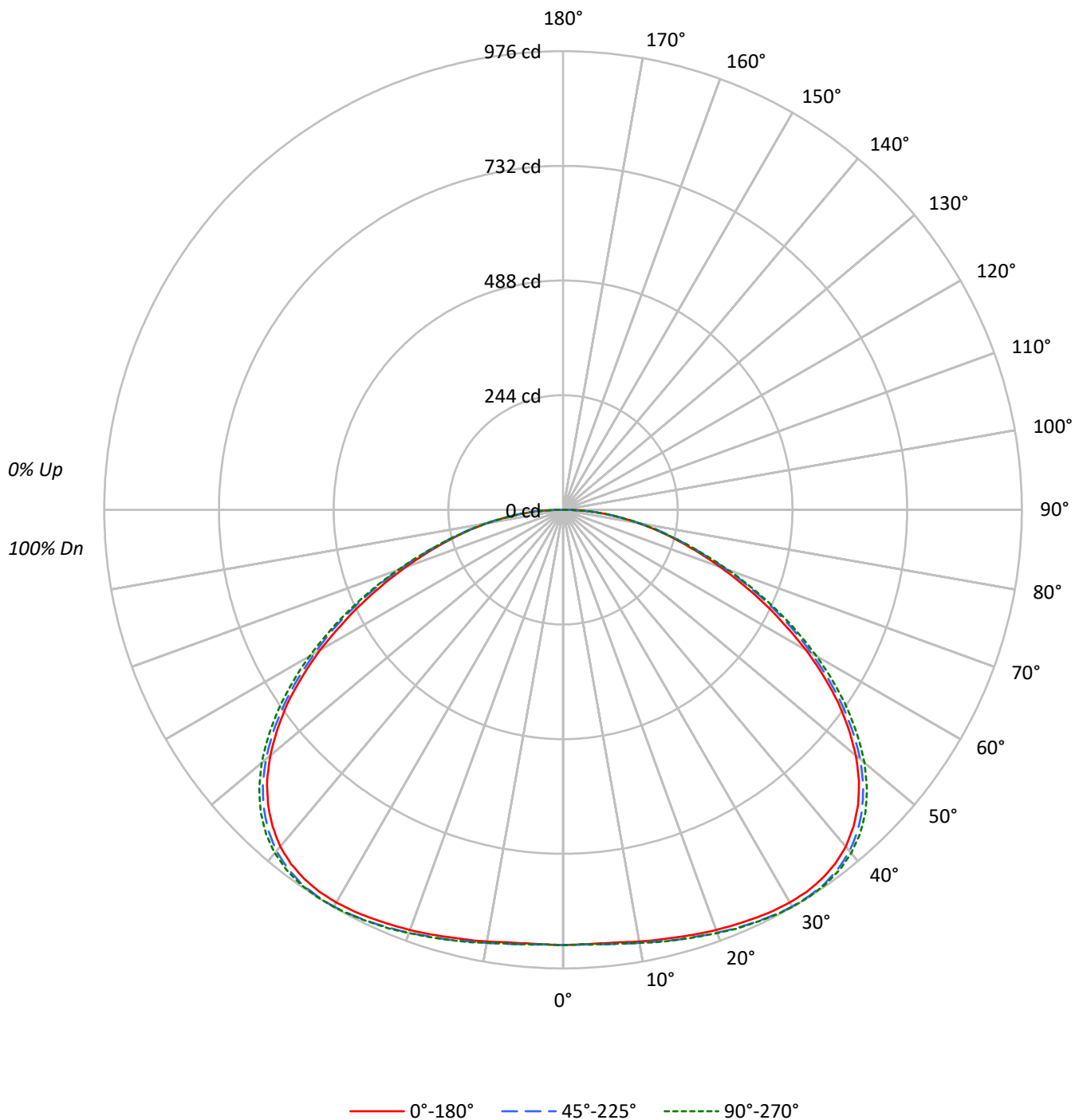
Lumens per Lamp: N/A
Luminaire Lumens: 3595.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70		67
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59	54	49		47
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53	47	42		40
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48	41	37		34
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43	37	32		30
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39	33	28		26
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36	30	25		24
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34	27	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2492	2492	2492
5°	2502	2507	2507
10°	2549	2557	2557
15°	2622	2638	2638
20°	2725	2743	2745
25°	2850	2874	2877
30°	2998	3030	3032
35°	3151	3189	3196
40°	3287	3331	3350
45°	3378	3425	3462
50°	3402	3454	3503
55°	3351	3402	3464
60°	3211	3281	3351
65°	3010	3119	3172
70°	2799	2902	2934
75°	2625	2697	2697
80°	2538	2569	2548
85°	2464	2550	2464

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3503 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	2.5
10°-20°	268.4	7.5
20°-30°	447.3	12.4
30°-40°	606.0	16.9
40°-50°	691.1	19.2
50°-60°	646.1	18.0
60°-70°	482.5	13.4
70°-80°	275.5	7.7
80°-90°	89.4	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°	804.5	22.4
0°-40°	1410.5	39.2
0°-60°	2747.7	76.4
0°-90°	3595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	926	928	928	929	928	89
15°	941	944	947	948	947	267
25°	960	963	968	970	969	444
35°	959	964	971	974	973	600
45°	888	892	900	906	910	682
55°	714	716	725	734	738	635
65°	473	480	490	493	498	469
75°	252	257	259	260	259	270
85°	80	83	83	81	80	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.1	926.1	926.1	926.1	926.1
2.5°	925.5	926.1	926.1	927.5	925.5
5°	926.1	927.5	928.2	928.9	928.2
7.5°	928.2	930.3	931.6	932.3	931.0
10°	933.0	934.4	935.8	937.2	935.8
12.5°	937.2	939.2	940.6	942.7	942.0
15°	941.3	944.0	946.8	947.5	946.8
17.5°	946.8	948.8	951.6	953.0	953.0
20°	951.6	954.4	957.8	959.2	958.5
22.5°	955.7	959.2	963.3	965.4	964.7
25°	959.9	963.3	968.1	969.5	968.8
27.5°	963.3	967.4	972.2	974.3	972.9
30°	964.7	968.8	975.0	976.4	975.7
32.5°	964.0	968.1	974.3	976.4	975.7
35°	959.2	964.0	970.9	973.6	972.9
37.5°	950.2	955.0	961.9	965.4	966.1
40°	935.8	940.6	948.2	953.0	953.7
42.5°	914.4	919.3	927.5	933.0	935.1
45°	887.6	891.7	900.0	906.2	909.6
47.5°	853.9	857.3	866.3	873.2	876.6
50°	812.6	816.1	825.0	831.9	836.7
52.5°	765.8	768.6	777.5	785.8	789.9
55°	714.2	716.3	725.2	733.5	738.3
57.5°	655.7	661.9	668.8	676.4	681.9
60°	596.6	601.4	609.6	617.2	622.7
62.5°	533.3	542.2	551.8	556.0	560.8
65°	472.7	479.6	489.9	492.7	498.2
67.5°	412.8	420.4	429.4	431.4	434.9
70°	355.7	361.9	368.8	371.6	372.9
72.5°	302.1	306.9	311.7	313.8	313.8
75°	252.5	256.7	259.4	260.1	259.4
77.5°	207.8	208.5	214.7	210.5	209.9
80°	163.8	163.8	165.8	165.8	164.4
82.5°	121.1	123.9	123.2	122.5	120.4
85°	79.8	83.3	82.6	81.2	79.8
87.5°	39.2	43.3	41.3	43.3	39.9
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	16.6	18.3	17.0	18.6	18.9	16.8	18.5	17.1	18.8	19.1
	3H	18.3	19.8	18.7	20.2	20.5	18.5	20.1	18.9	20.4	20.7
	4H	18.9	20.4	19.3	20.8	21.1	19.1	20.6	19.5	21.0	21.3
	6H	19.5	20.8	19.9	21.2	21.6	19.7	21.0	20.1	21.4	21.8
	8H	19.7	21.0	20.1	21.4	21.8	19.8	21.1	20.3	21.5	21.9
	12H	19.8	21.1	20.2	21.4	21.9	20.0	21.2	20.4	21.6	22.0
4H	2H	17.2	18.7	17.6	19.1	19.4	17.4	18.8	17.8	19.2	19.6
	3H	19.2	20.4	19.6	20.8	21.2	19.3	20.6	19.7	21.0	21.4
	4H	19.9	21.1	20.4	21.5	21.9	20.1	21.2	20.5	21.6	22.1
	6H	20.6	21.6	21.1	22.0	22.5	20.8	21.7	21.2	22.2	22.6
	8H	20.9	21.8	21.3	22.2	22.7	21.0	21.9	21.5	22.4	22.8
	12H	21.1	21.9	21.6	22.4	22.8	21.2	22.0	21.7	22.5	23.0
8H	4H	20.3	21.2	20.7	21.6	22.1	20.4	21.3	20.9	21.8	22.2
	6H	21.1	21.9	21.6	22.3	22.8	21.2	22.0	21.7	22.5	22.9
	8H	21.4	22.1	21.9	22.6	23.1	21.5	22.2	22.0	22.7	23.2
	12H	21.7	22.4	22.2	22.8	23.4	21.8	22.4	22.3	22.9	23.5
12H	4H	20.3	21.2	20.8	21.6	22.1	20.5	21.3	20.9	21.8	22.2
	6H	21.2	21.9	21.7	22.3	22.9	21.3	22.0	21.8	22.4	23.0
	8H	21.6	22.2	22.1	22.7	23.2	21.7	22.3	22.2	22.8	23.3











(END OF REPORT)