

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: P1527019

Luminaire Tested: 22CGTX-25-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527019
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-25-F125-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

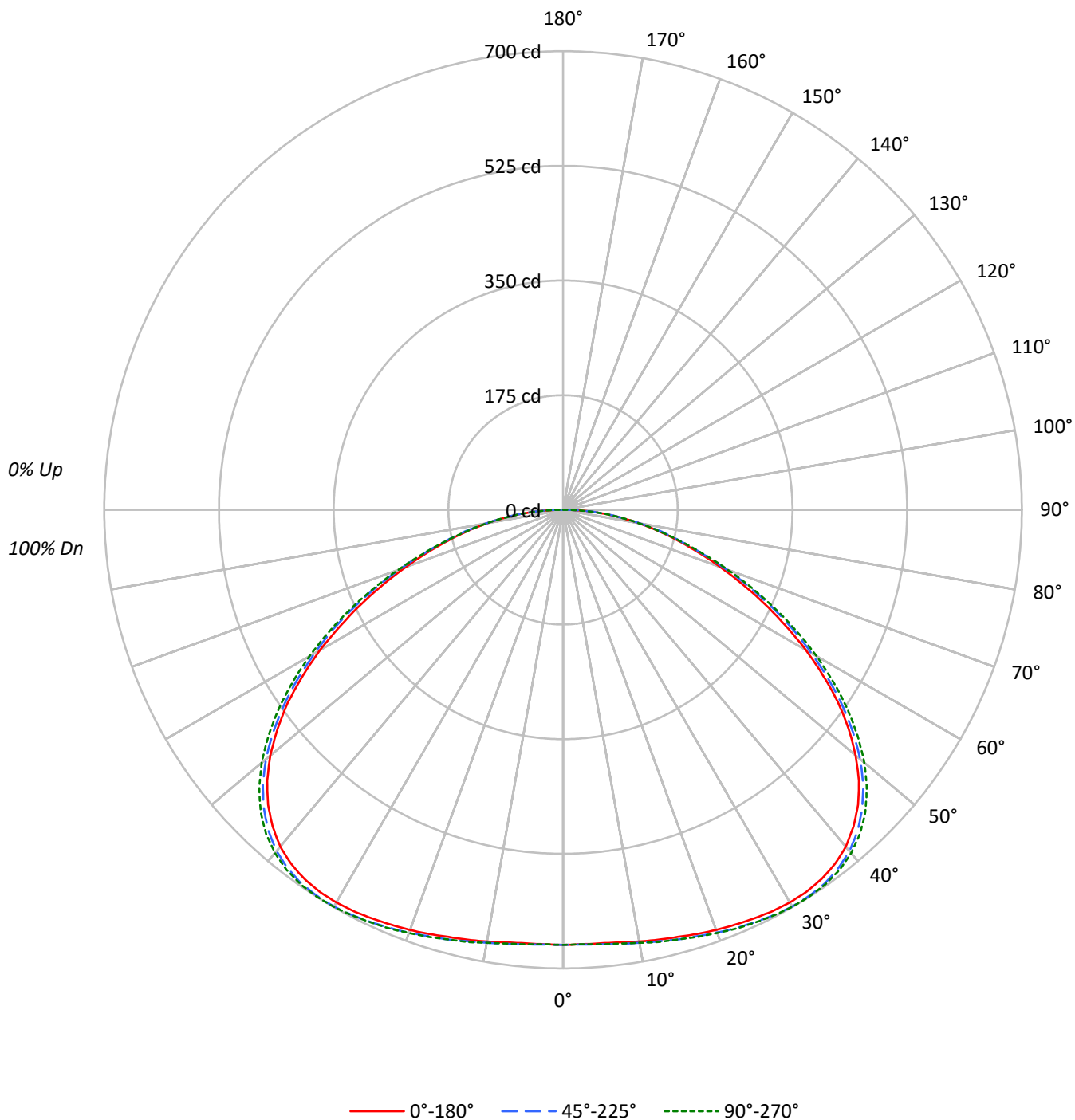
Lumens per Lamp: N/A
Luminaire Lumens: 2578.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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°	1787	1787	1787
5°	1794	1798	1798
10°	1828	1834	1834
15°	1880	1891	1891
20°	1954	1967	1968
25°	2044	2061	2063
30°	2150	2173	2174
35°	2259	2287	2292
40°	2357	2388	2402
45°	2422	2456	2482
50°	2439	2477	2512
55°	2403	2440	2484
60°	2302	2353	2403
65°	2159	2237	2274
70°	2007	2081	2104
75°	1883	1934	1934
80°	1819	1843	1827
85°	1766	1828	1766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	2.5
10°-20°	192.5	7.5
20°-30°	320.7	12.4
30°-40°	434.6	16.9
40°-50°	495.6	19.2
50°-60°	463.3	18.0
60°-70°	346.0	13.4
70°-80°	197.5	7.7
80°-90°	64.1	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°	576.9	22.4
0°-40°	1011.5	39.2
0°-60°	1970.4	76.4
0°-90°	2578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	664	665	666	666	666	64
15°	675	677	679	679	679	192
25°	688	691	694	695	695	319
35°	688	691	696	698	698	430
45°	636	640	645	650	652	489
55°	512	514	520	526	529	456
65°	339	344	351	353	357	336
75°	181	184	186	186	186	193
85°	57	60	59	58	57	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.1	664.1	664.1	664.1	664.1
2.5°	663.6	664.1	664.1	665.1	663.6
5°	664.1	665.1	665.6	666.1	665.6
7.5°	665.6	667.1	668.1	668.6	667.6
10°	669.1	670.1	671.1	672.0	671.1
12.5°	672.0	673.5	674.5	676.0	675.5
15°	675.0	677.0	678.9	679.4	678.9
17.5°	678.9	680.4	682.4	683.4	683.4
20°	682.4	684.4	686.8	687.8	687.3
22.5°	685.4	687.8	690.8	692.3	691.8
25°	688.3	690.8	694.2	695.2	694.7
27.5°	690.8	693.7	697.2	698.7	697.7
30°	691.8	694.7	699.2	700.2	699.7
32.5°	691.3	694.2	698.7	700.2	699.7
35°	687.8	691.3	696.2	698.2	697.7
37.5°	681.4	684.9	689.8	692.3	692.8
40°	671.1	674.5	679.9	683.4	683.9
42.5°	655.8	659.2	665.1	669.1	670.6
45°	636.5	639.5	645.4	649.8	652.3
47.5°	612.3	614.8	621.2	626.1	628.6
50°	582.7	585.2	591.6	596.5	600.0
52.5°	549.2	551.1	557.6	563.5	566.4
55°	512.2	513.7	520.1	526.0	529.4
57.5°	470.2	474.7	479.6	485.0	489.0
60°	427.8	431.2	437.2	442.6	446.5
62.5°	382.4	388.8	395.7	398.7	402.1
65°	339.0	343.9	351.3	353.3	357.2
67.5°	296.1	301.5	307.9	309.4	311.8
70°	255.1	259.5	264.5	266.4	267.4
72.5°	216.6	220.1	223.5	225.0	225.0
75°	181.1	184.0	186.0	186.5	186.0
77.5°	149.0	149.5	153.9	151.0	150.5
80°	117.4	117.4	118.9	118.9	117.9
82.5°	86.8	88.8	88.3	87.8	86.3
85°	57.2	59.7	59.2	58.2	57.2
87.5°	28.1	31.1	29.6	31.1	28.6
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	15.4	17.2	15.8	17.5	17.8	15.6	17.3	16.0	17.6	18.0
	3H	17.1	18.7	17.5	19.0	19.4	17.4	18.9	17.7	19.2	19.6
	4H	17.8	19.2	18.2	19.6	20.0	18.0	19.5	18.4	19.8	20.2
	6H	18.3	19.7	18.7	20.0	20.4	18.5	19.9	18.9	20.2	20.6
	8H	18.5	19.8	18.9	20.2	20.6	18.7	20.0	19.1	20.4	20.8
	12H	18.7	19.9	19.1	20.3	20.7	18.8	20.1	19.3	20.5	20.9
4H	2H	16.1	17.6	16.5	17.9	18.3	16.2	17.7	16.6	18.0	18.4
	3H	18.0	19.2	18.4	19.6	20.0	18.2	19.4	18.6	19.8	20.2
	4H	18.8	19.9	19.2	20.3	20.8	19.0	20.1	19.4	20.5	20.9
	6H	19.5	20.4	19.9	20.9	21.3	19.6	20.6	20.1	21.0	21.5
	8H	19.7	20.6	20.2	21.1	21.5	19.8	20.8	20.3	21.2	21.7
	12H	19.9	20.8	20.4	21.2	21.7	20.0	20.9	20.5	21.3	21.8
8H	4H	19.1	20.0	19.6	20.5	20.9	19.3	20.2	19.7	20.6	21.1
	6H	19.9	20.7	20.4	21.2	21.7	20.1	20.8	20.5	21.3	21.8
	8H	20.3	21.0	20.8	21.5	22.0	20.4	21.1	20.9	21.6	22.1
	12H	20.6	21.2	21.1	21.7	22.2	20.7	21.3	21.2	21.8	22.3
12H	4H	19.2	20.0	19.7	20.5	20.9	19.3	20.1	19.8	20.6	21.1
	6H	20.0	20.7	20.5	21.2	21.7	20.1	20.8	20.7	21.3	21.8
	8H	20.4	21.0	20.9	21.5	22.1	20.5	21.1	21.0	21.6	22.2















(END OF REPORT)