

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: P1527021

Luminaire Tested: 22CGTX-25HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527021
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-25HE-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

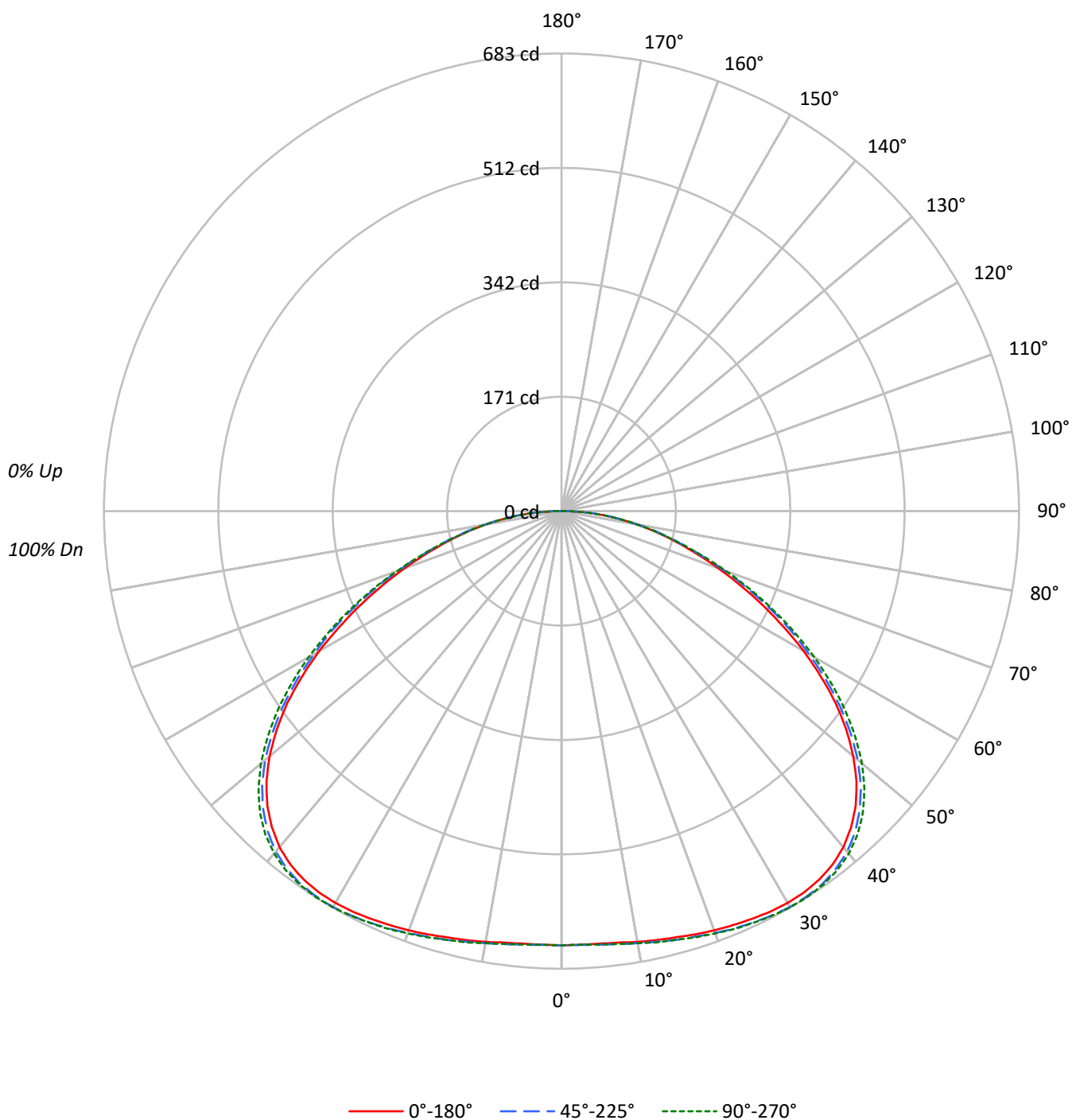
Lumens per Lamp: N/A
Luminaire Lumens: 2515.3 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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°	1744	1744	1744
5°	1750	1754	1754
10°	1784	1789	1789
15°	1835	1845	1845
20°	1907	1919	1920
25°	1994	2011	2013
30°	2097	2120	2121
35°	2205	2232	2236
40°	2300	2330	2344
45°	2363	2396	2422
50°	2380	2416	2451
55°	2344	2381	2424
60°	2246	2295	2345
65°	2106	2183	2220
70°	1958	2030	2053
75°	1837	1887	1887
80°	1776	1798	1784
85°	1723	1785	1723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2451 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	2.5
10°-20°	187.8	7.5
20°-30°	313.0	12.4
30°-40°	424.0	16.9
40°-50°	483.6	19.2
50°-60°	452.0	18.0
60°-70°	337.6	13.4
70°-80°	192.7	7.7
80°-90°	62.6	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°	562.9	22.4
0°-40°	986.9	39.2
0°-60°	1922.4	76.4
0°-90°	2515.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2515.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	648	649	649	650	649	62
15°	659	660	662	663	662	187
25°	672	674	677	678	678	311
35°	671	674	679	681	681	420
45°	621	624	630	634	636	477
55°	500	501	507	513	517	444
65°	331	336	343	345	349	328
75°	177	180	182	182	182	189
85°	56	58	58	57	56	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	648.0	648.0	648.0	648.0	648.0
2.5°	647.5	648.0	648.0	649.0	647.5
5°	648.0	649.0	649.4	649.9	649.4
7.5°	649.4	650.9	651.8	652.3	651.4
10°	652.8	653.8	654.7	655.7	654.7
12.5°	655.7	657.1	658.1	659.5	659.1
15°	658.6	660.5	662.4	662.9	662.4
17.5°	662.4	663.9	665.8	666.8	666.8
20°	665.8	667.7	670.1	671.1	670.6
22.5°	668.7	671.1	674.0	675.4	675.0
25°	671.6	674.0	677.4	678.3	677.8
27.5°	674.0	676.9	680.3	681.7	680.7
30°	675.0	677.8	682.2	683.1	682.7
32.5°	674.5	677.4	681.7	683.1	682.7
35°	671.1	674.5	679.3	681.2	680.7
37.5°	664.8	668.2	673.0	675.4	675.9
40°	654.7	658.1	663.4	666.8	667.3
42.5°	639.8	643.2	649.0	652.8	654.3
45°	621.0	623.9	629.7	634.0	636.4
47.5°	597.4	599.9	606.1	610.9	613.3
50°	568.6	571.0	577.2	582.0	585.4
52.5°	535.8	537.7	544.0	549.8	552.7
55°	499.7	501.2	507.4	513.2	516.6
57.5°	458.8	463.1	467.9	473.2	477.1
60°	417.4	420.8	426.5	431.8	435.7
62.5°	373.1	379.4	386.1	389.0	392.4
65°	330.7	335.6	342.8	344.7	348.6
67.5°	288.9	294.1	300.4	301.9	304.3
70°	248.9	253.2	258.0	260.0	260.9
72.5°	211.3	214.7	218.1	219.5	219.5
75°	176.7	179.6	181.5	182.0	181.5
77.5°	145.4	145.9	150.2	147.3	146.8
80°	114.6	114.6	116.0	116.0	115.1
82.5°	84.7	86.7	86.2	85.7	84.2
85°	55.8	58.3	57.8	56.8	55.8
87.5°	27.4	30.3	28.9	30.3	27.9
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	15.4	17.1	15.7	17.4	17.7	15.5	17.2	15.9	17.6	17.9
	3H	17.1	18.6	17.4	18.9	19.3	17.3	18.8	17.6	19.1	19.5
	4H	17.7	19.2	18.1	19.5	19.9	17.9	19.4	18.3	19.7	20.1
	6H	18.2	19.6	18.6	20.0	20.3	18.4	19.8	18.8	20.1	20.5
	8H	18.4	19.7	18.8	20.1	20.5	18.6	19.9	19.0	20.3	20.7
	12H	18.6	19.8	19.0	20.2	20.6	18.7	20.0	19.2	20.4	20.8
4H	2H	16.0	17.5	16.4	17.8	18.2	16.1	17.6	16.5	18.0	18.3
	3H	17.9	19.2	18.3	19.5	19.9	18.1	19.3	18.5	19.7	20.1
	4H	18.7	19.8	19.1	20.2	20.7	18.9	20.0	19.3	20.4	20.8
	6H	19.4	20.3	19.8	20.8	21.2	19.5	20.5	20.0	20.9	21.4
	8H	19.6	20.5	20.1	21.0	21.4	19.8	20.7	20.2	21.1	21.6
	12H	19.8	20.7	20.3	21.1	21.6	20.0	20.8	20.4	21.3	21.7
8H	4H	19.0	20.0	19.5	20.4	20.9	19.2	20.1	19.6	20.5	21.0
	6H	19.8	20.6	20.3	21.1	21.6	20.0	20.7	20.5	21.2	21.7
	8H	20.2	20.9	20.7	21.4	21.9	20.3	21.0	20.8	21.5	22.0
	12H	20.5	21.1	21.0	21.6	22.2	20.6	21.2	21.1	21.7	22.3
12H	4H	19.1	19.9	19.6	20.4	20.9	19.2	20.1	19.7	20.5	21.0
	6H	19.9	20.6	20.5	21.1	21.6	20.1	20.8	20.6	21.2	21.7
	8H	20.3	21.0	20.8	21.4	22.0	20.4	21.1	20.9	21.5	22.1













(END OF REPORT)