

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: P1527020

Luminaire Tested: 22CGTX-25HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527020
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-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

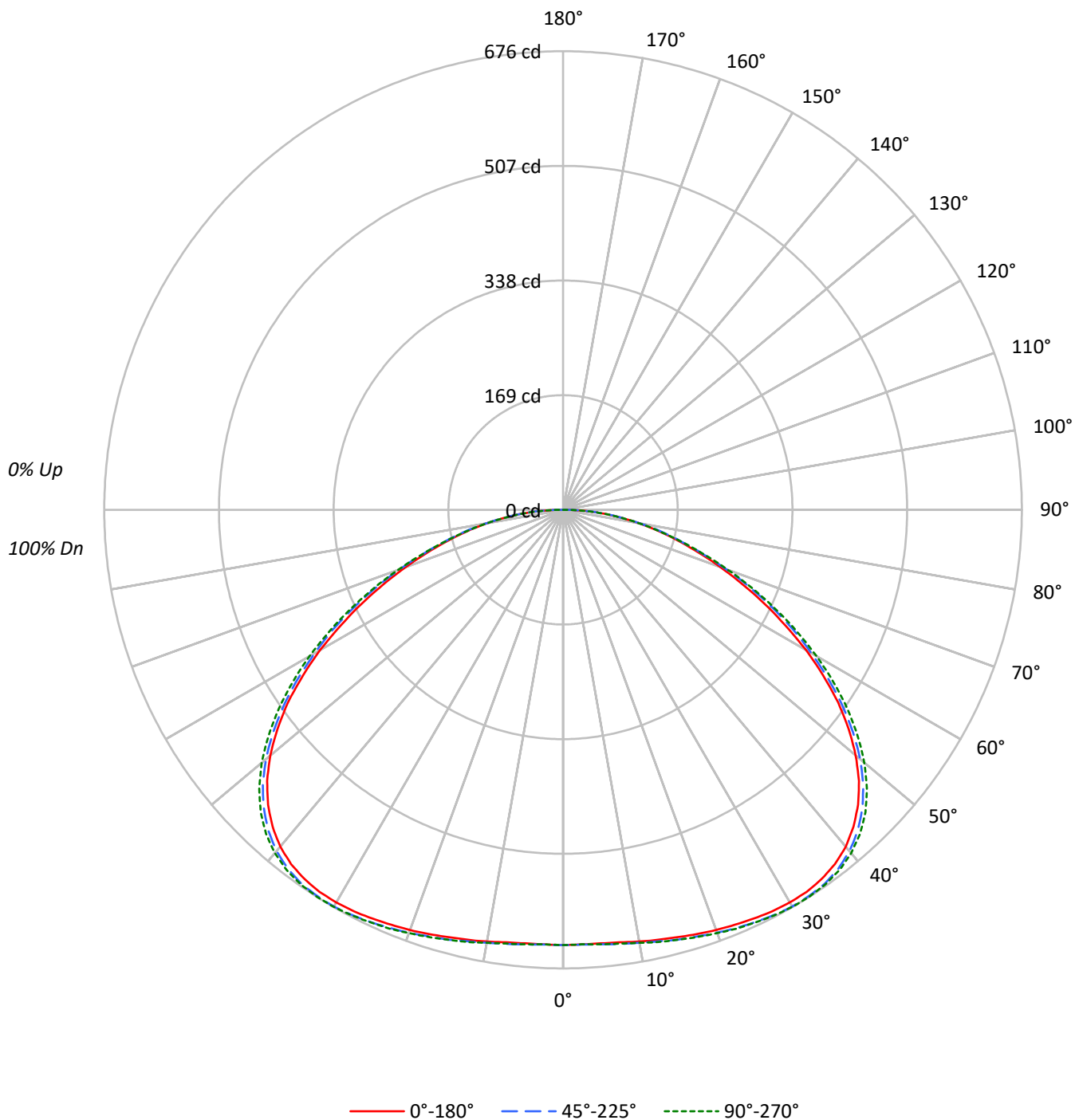
Lumens per Lamp: N/A
Luminaire Lumens: 2490.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1726	1726	1726
5°	1733	1737	1737
10°	1766	1771	1771
15°	1816	1827	1827
20°	1887	1900	1901
25°	1974	1991	1992
30°	2076	2098	2100
35°	2182	2209	2214
40°	2277	2307	2320
45°	2340	2372	2398
50°	2356	2392	2426
55°	2321	2357	2399
60°	2224	2272	2321
65°	2085	2160	2197
70°	1939	2009	2032
75°	1818	1868	1868
80°	1757	1781	1765
85°	1707	1766	1707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	2.5
10°-20°	185.9	7.5
20°-30°	309.8	12.4
30°-40°	419.7	16.9
40°-50°	478.7	19.2
50°-60°	447.5	18.0
60°-70°	334.2	13.4
70°-80°	190.8	7.7
80°-90°	61.9	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°	557.2	22.4
0°-40°	976.9	39.2
0°-60°	1903.1	76.4
0°-90°	2490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	642	642	643	643	643	61
15°	652	654	656	656	656	185
25°	665	667	670	672	671	308
35°	664	668	672	674	674	416
45°	615	618	623	628	630	472
55°	495	496	502	508	511	440
65°	327	332	339	341	345	325
75°	175	178	180	180	180	187
85°	55	58	57	56	55	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	641.5	641.5	641.5	641.5	641.5
2.5°	641.0	641.5	641.5	642.4	641.0
5°	641.5	642.4	642.9	643.4	642.9
7.5°	642.9	644.3	645.3	645.8	644.8
10°	646.2	647.2	648.1	649.1	648.1
12.5°	649.1	650.5	651.5	652.9	652.4
15°	652.0	653.9	655.8	656.2	655.8
17.5°	655.8	657.2	659.1	660.1	660.1
20°	659.1	661.0	663.4	664.3	663.9
22.5°	662.0	664.3	667.2	668.6	668.2
25°	664.8	667.2	670.5	671.5	671.0
27.5°	667.2	670.1	673.4	674.8	673.9
30°	668.2	671.0	675.3	676.3	675.8
32.5°	667.7	670.5	674.8	676.3	675.8
35°	664.3	667.7	672.5	674.4	673.9
37.5°	658.2	661.5	666.3	668.6	669.1
40°	648.1	651.5	656.7	660.1	660.5
42.5°	633.4	636.7	642.4	646.2	647.7
45°	614.8	617.6	623.4	627.7	630.0
47.5°	591.4	593.8	600.0	604.8	607.2
50°	562.8	565.2	571.4	576.2	579.5
52.5°	530.4	532.3	538.5	544.3	547.1
55°	494.7	496.1	502.3	508.0	511.4
57.5°	454.2	458.5	463.2	468.5	472.3
60°	413.2	416.5	422.2	427.5	431.3
62.5°	369.3	375.5	382.2	385.1	388.4
65°	327.4	332.2	339.3	341.2	345.0
67.5°	285.9	291.2	297.4	298.8	301.2
70°	246.4	250.7	255.4	257.4	258.3
72.5°	209.2	212.6	215.9	217.3	217.3
75°	174.9	177.8	179.7	180.1	179.7
77.5°	143.9	144.4	148.7	145.8	145.4
80°	113.4	113.4	114.9	114.9	113.9
82.5°	83.9	85.8	85.3	84.8	83.4
85°	55.3	57.7	57.2	56.2	55.3
87.5°	27.2	30.0	28.6	30.0	27.6
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	15.3	17.0	15.7	17.4	17.7	15.5	17.2	15.9	17.5	17.8
	3H	17.0	18.6	17.4	18.9	19.3	17.2	18.8	17.6	19.1	19.5
	4H	17.7	19.1	18.1	19.5	19.8	17.9	19.3	18.3	19.7	20.1
	6H	18.2	19.6	18.6	19.9	20.3	18.4	19.7	18.8	20.1	20.5
	8H	18.4	19.7	18.8	20.1	20.5	18.6	19.9	19.0	20.2	20.6
	12H	18.5	19.8	19.0	20.2	20.6	18.7	20.0	19.1	20.3	20.8
4H	2H	16.0	17.4	16.4	17.8	18.2	16.1	17.6	16.5	17.9	18.3
	3H	17.9	19.1	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	20.6	18.8	19.9	19.3	20.4	20.8
	6H	19.3	20.3	19.8	20.8	21.2	19.5	20.5	19.9	20.9	21.4
	8H	19.6	20.5	20.0	20.9	21.4	19.7	20.6	20.2	21.1	21.5
	12H	19.8	20.6	20.3	21.1	21.6	19.9	20.8	20.4	21.2	21.7
8H	4H	19.0	19.9	19.5	20.4	20.8	19.2	20.1	19.6	20.5	21.0
	6H	19.8	20.6	20.3	21.1	21.5	19.9	20.7	20.4	21.2	21.7
	8H	20.2	20.8	20.7	21.4	21.8	20.3	21.0	20.8	21.5	21.9
	12H	20.5	21.1	21.0	21.6	22.1	20.6	21.2	21.1	21.7	22.2
12H	4H	19.1	19.9	19.5	20.4	20.8	19.2	20.0	19.7	20.5	21.0
	6H	19.9	20.6	20.4	21.1	21.6	20.0	20.7	20.5	21.2	21.7
	8H	20.3	20.9	20.8	21.4	22.0	20.4	21.0	20.9	21.5	22.1











(END OF REPORT)