

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: P1527018

Luminaire Tested: 22CGTX-25-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527018
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

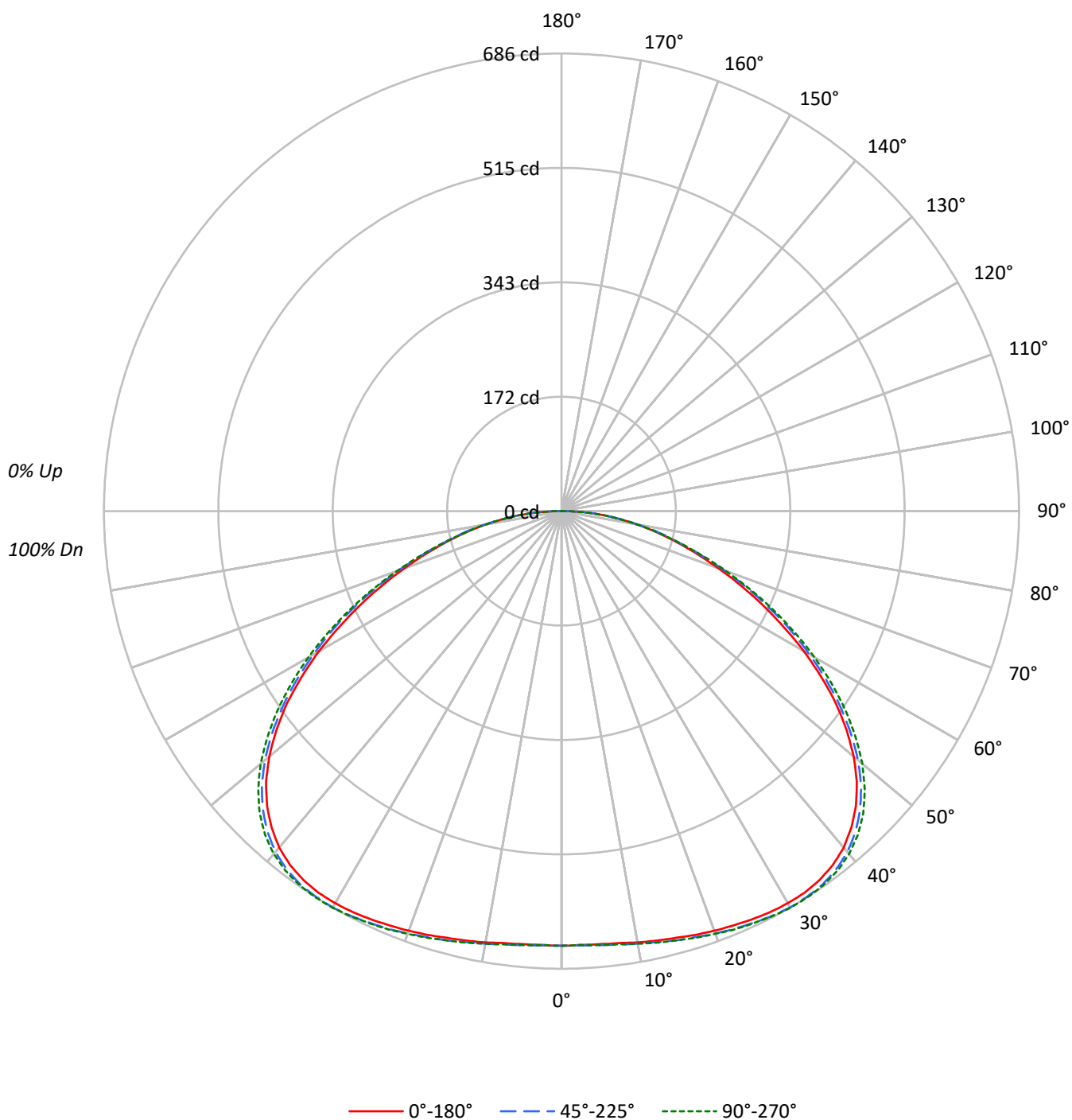
Lumens per Lamp: N/A
Luminaire Lumens: 2529.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1527018

CATALOG NUMBER: 22CGTX-25-F125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1527018

CATALOG NUMBER: 22CGTX-25-F125-L840

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	70	70	67
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	58	58	56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	49	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	42	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	37	37	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	32	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	28	28	26
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	25	25	24
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1753	1753	1753
5°	1760	1764	1764
10°	1794	1799	1799
15°	1845	1855	1855
20°	1917	1930	1931
25°	2005	2022	2023
30°	2109	2131	2133
35°	2217	2244	2248
40°	2312	2343	2357
45°	2376	2409	2435
50°	2393	2430	2464
55°	2357	2394	2437
60°	2259	2308	2358
65°	2117	2194	2231
70°	1969	2041	2065
75°	1847	1897	1897
80°	1785	1808	1793
85°	1732	1794	1732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2464 cd/sqm

TEST NUMBER: P1527018

CATALOG NUMBER: 22CGTX-25-F125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	2.5
10°-20°	188.8	7.5
20°-30°	314.7	12.4
30°-40°	426.3	16.9
40°-50°	486.2	19.2
50°-60°	454.5	18.0
60°-70°	339.4	13.4
70°-80°	193.8	7.7
80°-90°	62.9	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°	565.9	22.4
0°-40°	992.2	39.2
0°-60°	1932.9	76.4
0°-90°	2529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	652	652	653	654	653	62
15°	662	664	666	666	666	188
25°	675	678	681	682	682	312
35°	675	678	683	685	684	422
45°	624	627	633	638	640	480
55°	502	504	510	516	519	447
65°	332	337	345	347	350	330
75°	178	180	182	183	182	190
85°	56	59	58	57	56	62
90°	0	0	0	0	0	

TEST NUMBER: P1527018

CATALOG NUMBER: 22CGTX-25-F125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	651.5	651.5	651.5	651.5	651.5
2.5°	651.0	651.5	651.5	652.5	651.0
5°	651.5	652.5	653.0	653.5	653.0
7.5°	653.0	654.4	655.4	655.9	654.9
10°	656.4	657.3	658.3	659.3	658.3
12.5°	659.3	660.7	661.7	663.1	662.7
15°	662.2	664.1	666.0	666.5	666.0
17.5°	666.0	667.5	669.4	670.4	670.4
20°	669.4	671.4	673.8	674.8	674.3
22.5°	672.3	674.8	677.7	679.1	678.6
25°	675.2	677.7	681.0	682.0	681.5
27.5°	677.7	680.6	684.0	685.4	684.4
30°	678.6	681.5	685.9	686.9	686.4
32.5°	678.1	681.0	685.4	686.9	686.4
35°	674.8	678.1	683.0	684.9	684.4
37.5°	668.5	671.8	676.7	679.1	679.6
40°	658.3	661.7	667.0	670.4	670.9
42.5°	643.3	646.7	652.5	656.4	657.8
45°	624.4	627.3	633.1	637.5	639.9
47.5°	600.7	603.1	609.4	614.2	616.7
50°	571.7	574.1	580.4	585.2	588.6
52.5°	538.7	540.7	547.0	552.8	555.7
55°	502.4	503.9	510.2	516.0	519.4
57.5°	461.3	465.6	470.5	475.8	479.7
60°	419.7	423.1	428.9	434.2	438.1
62.5°	375.1	381.4	388.2	391.1	394.5
65°	332.5	337.4	344.6	346.6	350.4
67.5°	290.4	295.7	302.0	303.5	305.9
70°	250.2	254.6	259.4	261.4	262.4
72.5°	212.5	215.9	219.3	220.7	220.7
75°	177.6	180.5	182.5	183.0	182.5
77.5°	146.2	146.7	151.0	148.1	147.6
80°	115.2	115.2	116.7	116.7	115.7
82.5°	85.2	87.1	86.6	86.2	84.7
85°	56.1	58.6	58.1	57.1	56.1
87.5°	27.6	30.5	29.0	30.5	28.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527018

CATALOG NUMBER: 22CGTX-25-F125-L840

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	15.6	17.3	15.9	17.6	17.9
	3H	17.1	18.6	17.4	18.9	19.3	17.3	18.8	17.7	19.2	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	18.7	20.0	20.4	18.4	19.8	18.8	20.2	20.5
	8H	18.4	19.7	18.9	20.1	20.5	18.6	19.9	19.0	20.3	20.7
	12H	18.6	19.8	19.0	20.2	20.7	18.8	20.0	19.2	20.4	20.8
4H	2H	16.0	17.5	16.4	17.8	18.2	16.2	17.6	16.6	18.0	18.3
	3H	17.9	19.2	18.3	19.6	20.0	18.1	19.3	18.5	19.7	20.1
	4H	18.7	19.8	19.2	20.2	20.7	18.9	20.0	19.3	20.4	20.8
	6H	19.4	20.4	19.8	20.8	21.3	19.5	20.5	20.0	21.0	21.4
	8H	19.6	20.6	20.1	21.0	21.5	19.8	20.7	20.2	21.1	21.6
	12H	19.9	20.7	20.3	21.2	21.6	20.0	20.8	20.5	21.3	21.7
8H	4H	19.1	20.0	19.5	20.4	20.9	19.2	20.1	19.7	20.6	21.0
	6H	19.9	20.6	20.4	21.1	21.6	20.0	20.8	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	20.0	20.6	20.5	21.1	21.6	20.1	20.8	20.6	21.2	21.8
	8H	20.4	21.0	20.9	21.5	22.0	20.5	21.1	21.0	21.6	22.1















(END OF REPORT)