

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: P1527022

Luminaire Tested: 22CGTX-25HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527022
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

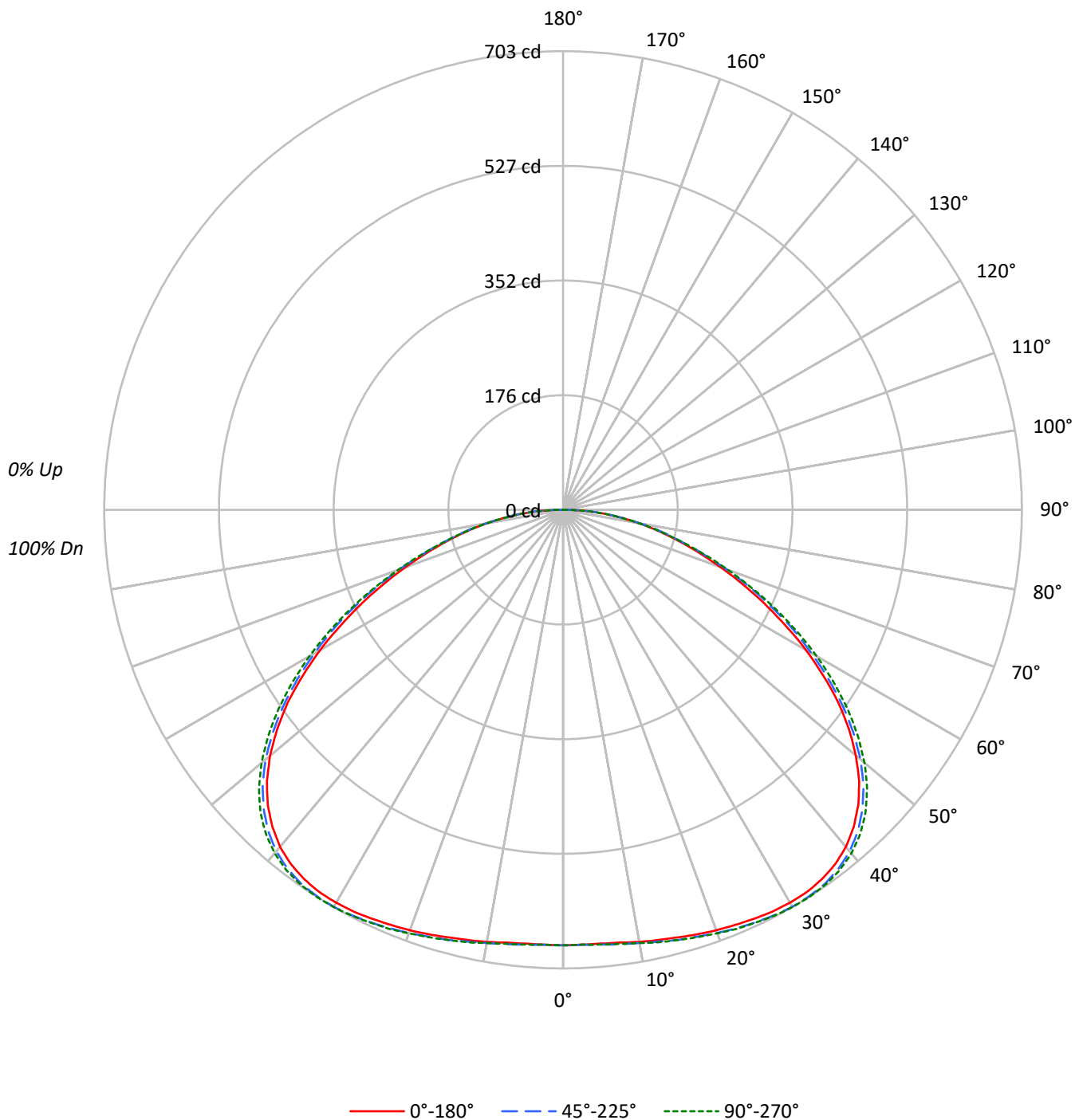
Lumens per Lamp: N/A
Luminaire Lumens: 2591.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1527022

CATALOG NUMBER: 22CGTX-25HE-F125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1527022

CATALOG NUMBER: 22CGTX-25HE-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°	1796	1796	1796
5°	1803	1807	1807
10°	1838	1843	1843
15°	1890	1901	1901
20°	1964	1977	1978
25°	2054	2072	2073
30°	2160	2183	2185
35°	2271	2299	2303
40°	2369	2401	2414
45°	2434	2468	2495
50°	2452	2489	2524
55°	2415	2452	2496
60°	2314	2365	2415
65°	2169	2248	2286
70°	2017	2091	2115
75°	1892	1944	1944
80°	1829	1852	1836
85°	1775	1837	1775

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2524 cd/sqm

TEST NUMBER: P1527022

CATALOG NUMBER: 22CGTX-25HE-F125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	2.5
10°-20°	193.4	7.5
20°-30°	322.4	12.4
30°-40°	436.7	16.9
40°-50°	498.1	19.2
50°-60°	465.6	18.0
60°-70°	347.7	13.4
70°-80°	198.5	7.7
80°-90°	64.4	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°	579.8	22.4
0°-40°	1016.6	39.2
0°-60°	1980.3	76.4
0°-90°	2591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	668	668	668	668	668	
5°	668	668	669	670	669	64
15°	678	680	682	683	682	193
25°	692	694	698	699	698	320
35°	691	695	700	702	701	433
45°	640	643	649	653	656	492
55°	515	516	523	529	532	458
65°	341	346	353	355	359	338
75°	182	185	187	188	187	194
85°	58	60	60	58	58	63
90°	0	0	0	0	0	

TEST NUMBER: P1527022

CATALOG NUMBER: 22CGTX-25HE-F125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	667.5	667.5	667.5	667.5	667.5
2.5°	667.0	667.5	667.5	668.5	667.0
5°	667.5	668.5	669.0	669.5	669.0
7.5°	669.0	670.5	671.5	672.0	671.0
10°	672.5	673.4	674.4	675.4	674.4
12.5°	675.4	676.9	677.9	679.4	678.9
15°	678.4	680.4	682.4	682.9	682.4
17.5°	682.4	683.9	685.8	686.8	686.8
20°	685.8	687.8	690.3	691.3	690.8
22.5°	688.8	691.3	694.3	695.8	695.3
25°	691.8	694.3	697.7	698.7	698.2
27.5°	694.3	697.2	700.7	702.2	701.2
30°	695.3	698.2	702.7	703.7	703.2
32.5°	694.8	697.7	702.2	703.7	703.2
35°	691.3	694.8	699.7	701.7	701.2
37.5°	684.8	688.3	693.3	695.8	696.3
40°	674.4	677.9	683.4	686.8	687.3
42.5°	659.1	662.5	668.5	672.5	673.9
45°	639.7	642.7	648.6	653.1	655.6
47.5°	615.4	617.9	624.3	629.3	631.8
50°	585.7	588.1	594.6	599.6	603.0
52.5°	551.9	553.9	560.4	566.3	569.3
55°	514.8	516.2	522.7	528.6	532.1
57.5°	472.6	477.1	482.0	487.5	491.4
60°	430.0	433.4	439.4	444.8	448.8
62.5°	384.3	390.8	397.7	400.7	404.2
65°	340.7	345.6	353.1	355.1	359.0
67.5°	297.5	303.0	309.4	310.9	313.4
70°	256.4	260.8	265.8	267.8	268.8
72.5°	217.7	221.2	224.6	226.1	226.1
75°	182.0	185.0	187.0	187.5	187.0
77.5°	149.8	150.3	154.7	151.7	151.3
80°	118.0	118.0	119.5	119.5	118.5
82.5°	87.3	89.3	88.8	88.3	86.8
85°	57.5	60.0	59.5	58.5	57.5
87.5°	28.3	31.2	29.8	31.2	28.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527022

CATALOG NUMBER: 22CGTX-25HE-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	15.5	17.2	15.8	17.5	17.8	15.6	17.3	16.0	17.7	18.0
	3H	17.2	18.7	17.5	19.0	19.4	17.4	18.9	17.7	19.2	19.6
	4H	17.8	19.3	18.2	19.6	20.0	18.0	19.5	18.4	19.8	20.2
	6H	18.3	19.7	18.7	20.1	20.4	18.5	19.9	18.9	20.2	20.6
	8H	18.5	19.8	19.0	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	18.1	18.4
	3H	18.0	19.3	18.4	19.7	20.1	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	20.5	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	21.6	19.9	20.8	20.3	21.2	21.7
	12H	19.9	20.8	20.4	21.2	21.7	20.1	20.9	20.5	21.4	21.8
8H	4H	19.1	20.1	19.6	20.5	21.0	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	20.6	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	22.3	20.7	21.3	21.2	21.8	22.4
12H	4H	19.2	20.0	19.7	20.5	21.0	19.3	20.2	19.8	20.6	21.1
	6H	20.0	20.7	20.6	21.2	21.7	20.2	20.9	20.7	21.3	21.8
	8H	20.4	21.1	20.9	21.5	22.1	20.5	21.2	21.0	21.6	22.2















(END OF REPORT)