

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: P1527023

Luminaire Tested: 22CGTX-25HE-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527023
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

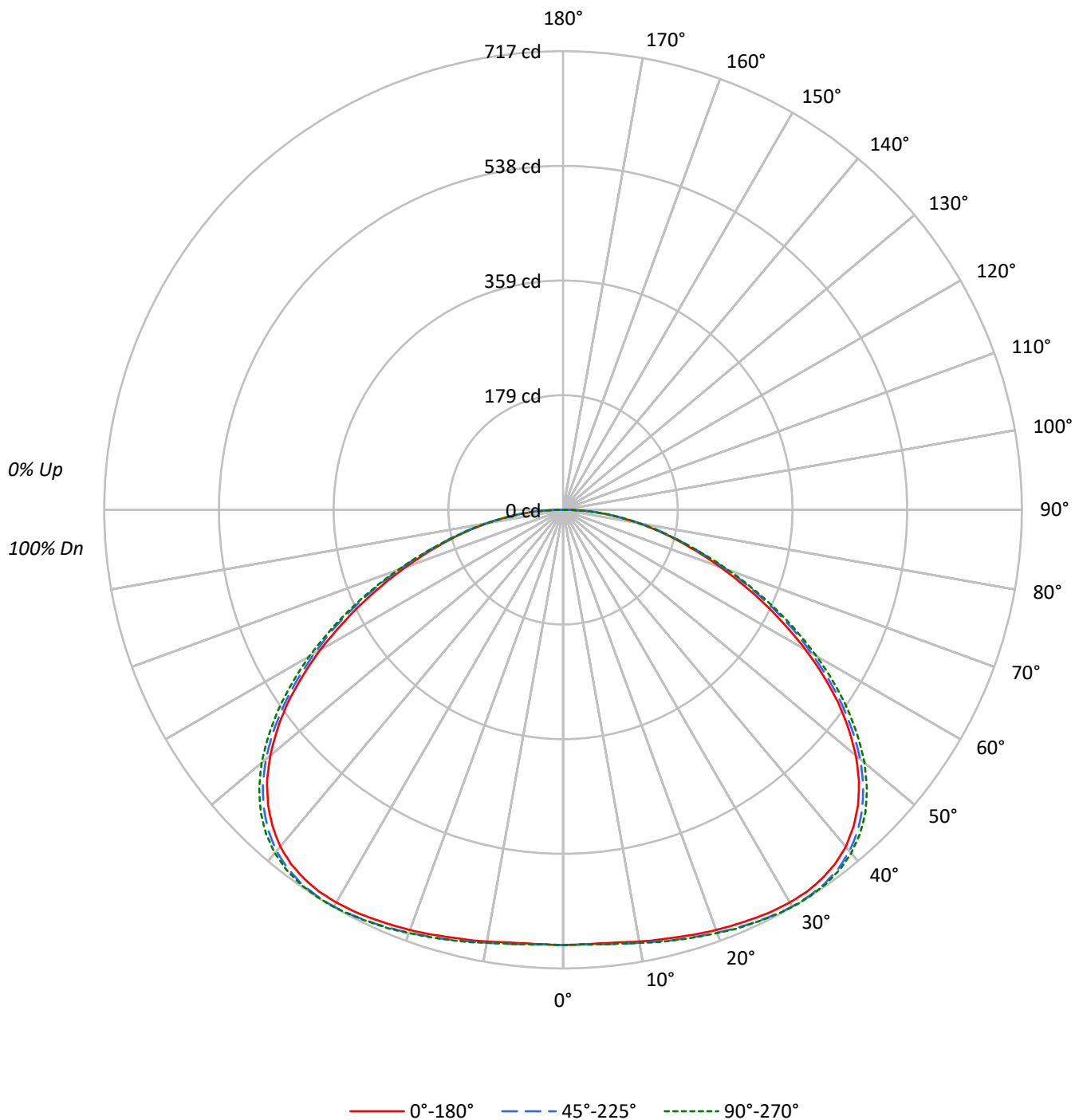
Lumens per Lamp: N/A
Luminaire Lumens: 2641.0 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1527023

CATALOG NUMBER: 22CGTX-25HE-F125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1527023

CATALOG NUMBER: 22CGTX-25HE-F125-L850

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°	1831	1831	1831
5°	1838	1842	1842
10°	1873	1878	1878
15°	1926	1938	1938
20°	2002	2015	2016
25°	2094	2112	2113
30°	2202	2226	2227
35°	2315	2343	2348
40°	2415	2447	2461
45°	2482	2516	2543
50°	2499	2537	2573
55°	2462	2500	2545
60°	2358	2411	2462
65°	2211	2292	2330
70°	2056	2131	2156
75°	1929	1982	1982
80°	1864	1888	1872
85°	1809	1874	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2573 cd/sqm

TEST NUMBER: P1527023

CATALOG NUMBER: 22CGTX-25HE-F125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	2.5
10°-20°	197.2	7.5
20°-30°	328.6	12.4
30°-40°	445.2	16.9
40°-50°	507.7	19.2
50°-60°	474.6	18.0
60°-70°	354.4	13.4
70°-80°	202.4	7.7
80°-90°	65.7	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°	591.0	22.4
0°-40°	1036.2	39.2
0°-60°	2018.5	76.4
0°-90°	2641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	680	681	682	682	682	65
15°	692	694	696	696	696	196
25°	705	708	711	712	712	326
35°	705	708	713	715	715	441
45°	652	655	661	666	668	501
55°	525	526	533	539	542	467
65°	347	352	360	362	366	344
75°	186	188	191	191	191	198
85°	59	61	61	60	59	64
90°	0	0	0	0	0	

TEST NUMBER: P1527023

CATALOG NUMBER: 22CGTX-25HE-F125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	680.4	680.4	680.4	680.4	680.4
2.5°	679.9	680.4	680.4	681.4	679.9
5°	680.4	681.4	681.9	682.4	681.9
7.5°	681.9	683.4	684.4	684.9	683.9
10°	685.4	686.4	687.4	688.5	687.4
12.5°	688.5	690.0	691.0	692.5	692.0
15°	691.5	693.5	695.5	696.0	695.5
17.5°	695.5	697.1	699.1	700.1	700.1
20°	699.1	701.1	703.6	704.6	704.1
22.5°	702.1	704.6	707.7	709.2	708.7
25°	705.1	707.7	711.2	712.2	711.7
27.5°	707.7	710.7	714.2	715.8	714.7
30°	708.7	711.7	716.3	717.3	716.8
32.5°	708.2	711.2	715.8	717.3	716.8
35°	704.6	708.2	713.2	715.3	714.7
37.5°	698.1	701.6	706.7	709.2	709.7
40°	687.4	691.0	696.5	700.1	700.6
42.5°	671.8	675.3	681.4	685.4	686.9
45°	652.1	655.1	661.2	665.7	668.2
47.5°	627.3	629.8	636.4	641.5	644.0
50°	597.0	599.5	606.1	611.1	614.7
52.5°	562.6	564.6	571.2	577.3	580.3
55°	524.7	526.2	532.8	538.8	542.4
57.5°	481.7	486.3	491.3	496.9	500.9
60°	438.2	441.8	447.9	453.4	457.5
62.5°	391.7	398.3	405.4	408.4	412.0
65°	347.3	352.3	359.9	361.9	366.0
67.5°	303.3	308.8	315.4	316.9	319.5
70°	261.3	265.9	270.9	273.0	274.0
72.5°	221.9	225.4	229.0	230.5	230.5
75°	185.5	188.5	190.6	191.1	190.6
77.5°	152.7	153.2	157.7	154.7	154.2
80°	120.3	120.3	121.8	121.8	120.8
82.5°	89.0	91.0	90.5	90.0	88.5
85°	58.6	61.2	60.7	59.6	58.6
87.5°	28.8	31.8	30.3	31.8	29.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527023

CATALOG NUMBER: 22CGTX-25HE-F125-L850

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	15.9	17.6	17.9	15.7	17.4	16.1	17.7	18.0
	3H	17.2	18.8	17.6	19.1	19.5	17.4	19.0	17.8	19.3	19.7
	4H	17.9	19.3	18.3	19.7	20.1	18.1	19.5	18.5	19.9	20.3
	6H	18.4	19.8	18.8	20.1	20.5	18.6	19.9	19.0	20.3	20.7
	8H	18.6	19.9	19.0	20.3	20.7	18.8	20.1	19.2	20.5	20.9
	12H	18.7	20.0	19.2	20.4	20.8	18.9	20.2	19.3	20.5	21.0
4H	2H	16.2	17.6	16.6	18.0	18.4	16.3	17.8	16.7	18.1	18.5
	3H	18.1	19.3	18.5	19.7	20.1	18.3	19.5	18.7	19.9	20.3
	4H	18.9	20.0	19.3	20.4	20.8	19.0	20.2	19.5	20.6	21.0
	6H	19.5	20.5	20.0	21.0	21.4	19.7	20.7	20.1	21.1	21.6
	8H	19.8	20.7	20.3	21.2	21.6	19.9	20.8	20.4	21.3	21.8
	12H	20.0	20.8	20.5	21.3	21.8	20.1	21.0	20.6	21.4	21.9
8H	4H	19.2	20.1	19.7	20.6	21.0	19.4	20.3	19.8	20.7	21.2
	6H	20.0	20.8	20.5	21.3	21.7	20.1	20.9	20.6	21.4	21.9
	8H	20.4	21.1	20.9	21.6	22.0	20.5	21.2	21.0	21.7	22.1
	12H	20.7	21.3	21.2	21.8	22.3	20.8	21.4	21.3	21.9	22.4
12H	4H	19.3	20.1	19.7	20.6	21.0	19.4	20.2	19.9	20.7	21.2
	6H	20.1	20.8	20.6	21.3	21.8	20.2	20.9	20.7	21.4	21.9
	8H	20.5	21.1	21.0	21.6	22.2	20.6	21.2	21.1	21.7	22.3















(END OF REPORT)