

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: P1527008

Luminaire Tested: 22CGTX-20-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527008
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-20-F125-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

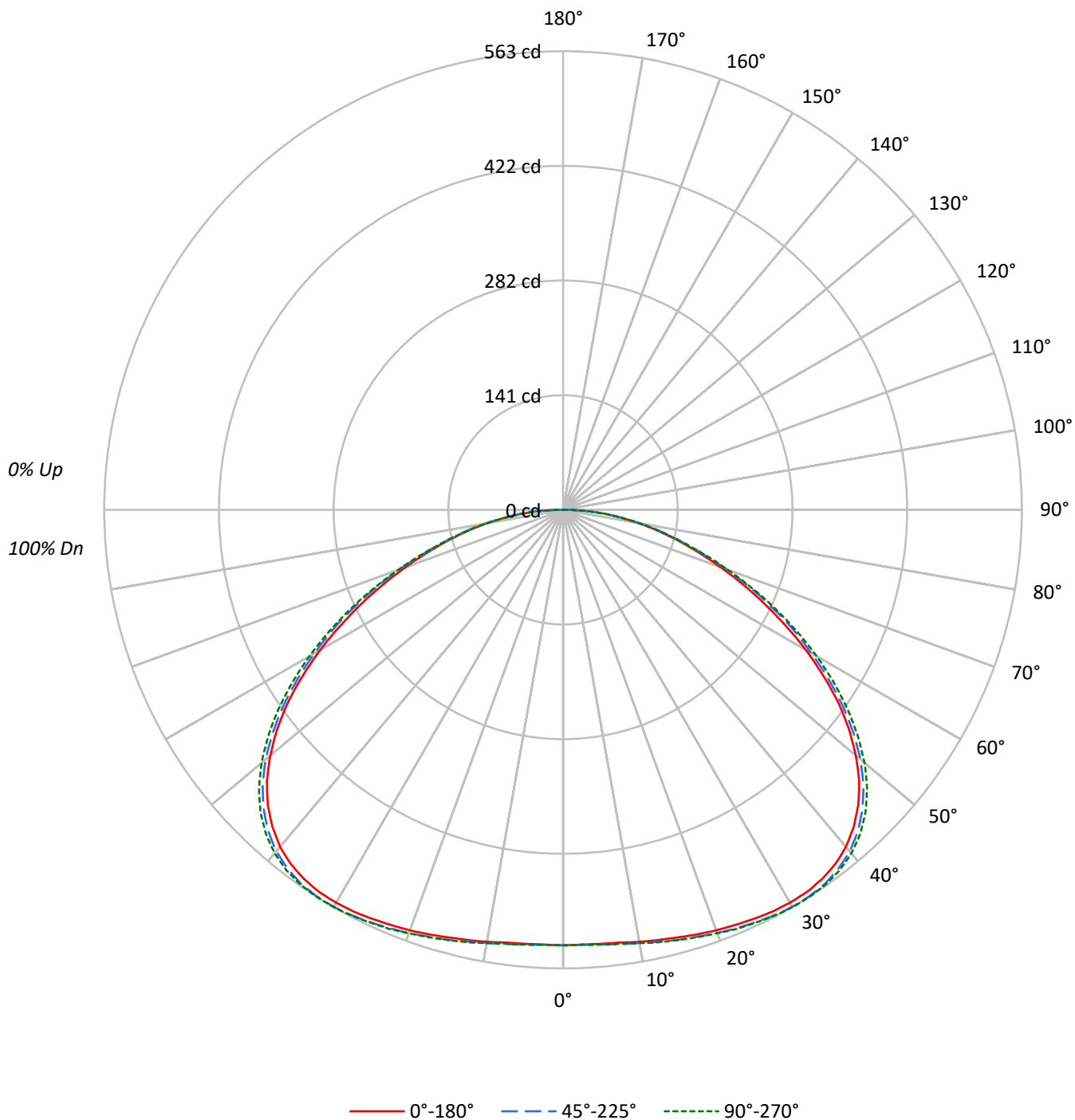
Lumens per Lamp: N/A
Luminaire Lumens: 2075.0 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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	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°	1439	1439	1439
5°	1444	1447	1447
10°	1471	1476	1476
15°	1514	1522	1522
20°	1573	1583	1584
25°	1645	1659	1660
30°	1730	1749	1750
35°	1819	1841	1845
40°	1897	1923	1933
45°	1950	1977	1998
50°	1963	1994	2022
55°	1934	1964	1999
60°	1853	1894	1934
65°	1737	1801	1831
70°	1615	1675	1694
75°	1516	1556	1556
80°	1464	1483	1471
85°	1423	1473	1423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2022 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	2.5
10°-20°	154.9	7.5
20°-30°	258.2	12.4
30°-40°	349.8	16.9
40°-50°	398.9	19.2
50°-60°	372.9	18.0
60°-70°	278.5	13.4
70°-80°	159.0	7.7
80°-90°	51.6	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°	464.3	22.4
0°-40°	814.1	39.2
0°-60°	1585.9	76.4
0°-90°	2075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	535	535	535	535	535	
5°	535	535	536	536	536	51
15°	543	545	546	547	546	154
25°	554	556	559	560	559	256
35°	554	556	560	562	562	346
45°	512	515	520	523	525	394
55°	412	413	419	423	426	367
65°	273	277	283	284	288	271
75°	146	148	150	150	150	156
85°	46	48	48	47	46	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	534.6	534.6	534.6	534.6	534.6
2.5°	534.2	534.6	534.6	535.4	534.2
5°	534.6	535.4	535.8	536.1	535.8
7.5°	535.8	536.9	537.7	538.1	537.3
10°	538.5	539.3	540.1	540.9	540.1
12.5°	540.9	542.1	542.9	544.1	543.7
15°	543.3	544.9	546.5	546.9	546.5
17.5°	546.5	547.7	549.3	550.0	550.0
20°	549.3	550.8	552.8	553.6	553.2
22.5°	551.6	553.6	556.0	557.2	556.8
25°	554.0	556.0	558.8	559.6	559.2
27.5°	556.0	558.4	561.2	562.4	561.6
30°	556.8	559.2	562.8	563.6	563.2
32.5°	556.4	558.8	562.4	563.6	563.2
35°	553.6	556.4	560.4	562.0	561.6
37.5°	548.5	551.2	555.2	557.2	557.6
40°	540.1	542.9	547.3	550.0	550.4
42.5°	527.8	530.6	535.4	538.5	539.7
45°	512.3	514.7	519.5	523.0	525.0
47.5°	492.9	494.8	500.0	504.0	506.0
50°	469.0	471.0	476.2	480.2	482.9
52.5°	442.0	443.6	448.8	453.5	455.9
55°	412.2	413.4	418.6	423.4	426.1
57.5°	378.5	382.1	386.0	390.4	393.6
60°	344.3	347.1	351.9	356.2	359.4
62.5°	307.8	313.0	318.5	320.9	323.7
65°	272.8	276.8	282.8	284.4	287.5
67.5°	238.3	242.7	247.8	249.0	251.0
70°	205.3	208.9	212.9	214.5	215.3
72.5°	174.3	177.1	179.9	181.1	181.1
75°	145.8	148.1	149.7	150.1	149.7
77.5°	119.9	120.3	123.9	121.5	121.1
80°	94.5	94.5	95.7	95.7	94.9
82.5°	69.9	71.5	71.1	70.7	69.5
85°	46.1	48.1	47.7	46.9	46.1
87.5°	22.6	25.0	23.8	25.0	23.0
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	14.7	16.4	15.1	16.7	17.0	14.9	16.6	15.2	16.9	17.2
	3H	16.4	17.9	16.8	18.3	18.6	16.6	18.1	17.0	18.5	18.8
	4H	17.0	18.5	17.4	18.8	19.2	17.2	18.7	17.6	19.0	19.4
	6H	17.6	18.9	18.0	19.3	19.7	17.7	19.1	18.2	19.5	19.9
	8H	17.8	19.1	18.2	19.4	19.8	17.9	19.2	18.4	19.6	20.0
	12H	17.9	19.2	18.3	19.5	20.0	18.1	19.3	18.5	19.7	20.1
4H	2H	15.3	16.8	15.7	17.1	17.5	15.5	16.9	15.9	17.3	17.7
	3H	17.3	18.5	17.7	18.9	19.3	17.4	18.7	17.8	19.1	19.5
	4H	18.0	19.2	18.5	19.6	20.0	18.2	19.3	18.6	19.7	20.2
	6H	18.7	19.7	19.2	20.1	20.6	18.8	19.8	19.3	20.3	20.7
	8H	19.0	19.9	19.4	20.3	20.8	19.1	20.0	19.5	20.4	20.9
	12H	19.2	20.0	19.6	20.5	20.9	19.3	20.1	19.8	20.6	21.1
8H	4H	18.4	19.3	18.8	19.7	20.2	18.5	19.4	19.0	19.9	20.3
	6H	19.2	19.9	19.7	20.4	20.9	19.3	20.1	19.8	20.6	21.0
	8H	19.5	20.2	20.0	20.7	21.2	19.6	20.3	20.1	20.8	21.3
	12H	19.8	20.4	20.3	20.9	21.5	19.9	20.5	20.4	21.0	21.6
12H	4H	18.4	19.2	18.9	19.7	20.2	18.6	19.4	19.0	19.9	20.3
	6H	19.3	20.0	19.8	20.4	21.0	19.4	20.1	19.9	20.5	21.1
	8H	19.7	20.3	20.2	20.8	21.3	19.8	20.4	20.3	20.9	21.4















(END OF REPORT)