

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: P1527007

Luminaire Tested: 22CGTX-20-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527007
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

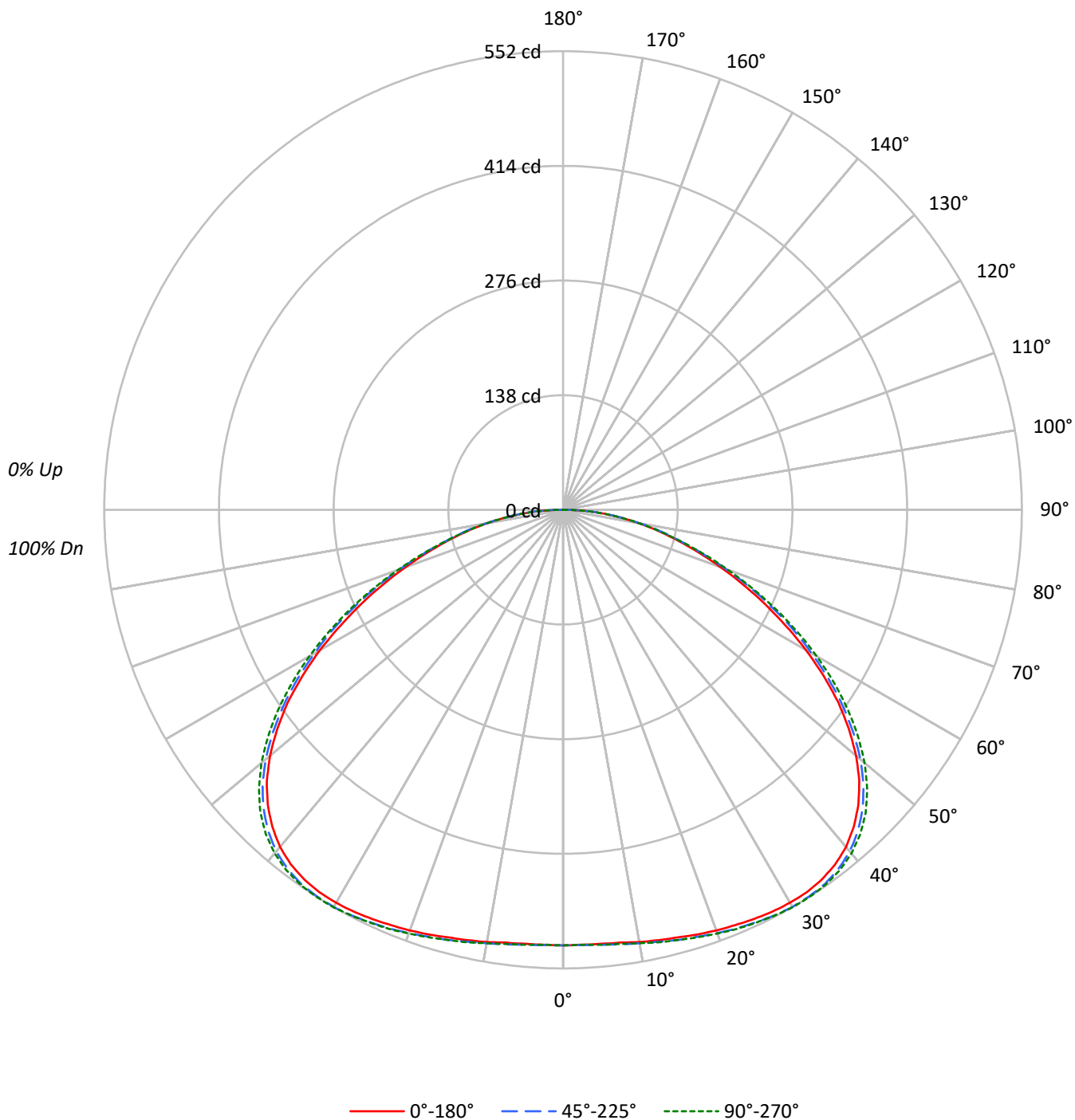
Lumens per Lamp: N/A
Luminaire Lumens: 2035.0 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1527007

CATALOG NUMBER: 22CGTX-20-F125-L840

Luminous Intensity Polar Plot





TEST NUMBER: P1527007

CATALOG NUMBER: 22CGTX-20-F125-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	1411	1411	1411
5°	1416	1419	1419
10°	1443	1447	1447
15°	1484	1493	1493
20°	1543	1553	1554
25°	1613	1627	1628
30°	1697	1715	1716
35°	1784	1805	1809
40°	1861	1885	1896
45°	1912	1939	1960
50°	1926	1955	1983
55°	1897	1926	1961
60°	1817	1857	1897
65°	1704	1766	1796
70°	1585	1643	1661
75°	1486	1526	1526
80°	1437	1455	1443
85°	1396	1442	1396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1983 cd/sqm

TEST NUMBER: P1527007

CATALOG NUMBER: 22CGTX-20-F125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	2.5
10°-20°	151.9	7.5
20°-30°	253.2	12.4
30°-40°	343.0	16.9
40°-50°	391.2	19.2
50°-60°	365.7	18.0
60°-70°	273.1	13.4
70°-80°	155.9	7.7
80°-90°	50.6	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°	455.4	22.4
0°-40°	798.4	39.2
0°-60°	1555.4	76.4
0°-90°	2035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2035.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	524	525	525	526	525	50
15°	533	534	536	536	536	151
25°	543	545	548	549	548	251
35°	543	546	550	551	551	340
45°	502	505	510	513	515	386
55°	404	406	410	415	418	360
65°	268	272	277	279	282	265
75°	143	145	147	147	147	153
85°	45	47	47	46	45	50
90°	0	0	0	0	0	

TEST NUMBER: P1527007

CATALOG NUMBER: 22CGTX-20-F125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	524.3	524.3	524.3	524.3	524.3
2.5°	523.9	524.3	524.3	525.0	523.9
5°	524.3	525.0	525.4	525.8	525.4
7.5°	525.4	526.6	527.4	527.8	527.0
10°	528.2	528.9	529.7	530.5	529.7
12.5°	530.5	531.7	532.4	533.6	533.2
15°	532.8	534.4	535.9	536.3	535.9
17.5°	535.9	537.1	538.7	539.4	539.4
20°	538.7	540.2	542.2	543.0	542.6
22.5°	541.0	543.0	545.3	546.5	546.1
25°	543.3	545.3	548.0	548.8	548.4
27.5°	545.3	547.6	550.4	551.5	550.7
30°	546.1	548.4	551.9	552.7	552.3
32.5°	545.7	548.0	551.5	552.7	552.3
35°	543.0	545.7	549.6	551.1	550.7
37.5°	537.9	540.6	544.5	546.5	546.8
40°	529.7	532.4	536.7	539.4	539.8
42.5°	517.6	520.4	525.0	528.2	529.3
45°	502.4	504.8	509.5	513.0	514.9
47.5°	483.4	485.3	490.4	494.3	496.2
50°	460.0	461.9	467.0	470.9	473.6
52.5°	433.5	435.1	440.1	444.8	447.1
55°	404.3	405.5	410.5	415.2	417.9
57.5°	371.2	374.7	378.6	382.9	386.0
60°	337.7	340.4	345.1	349.4	352.5
62.5°	301.9	306.9	312.4	314.7	317.4
65°	267.6	271.5	277.3	278.9	282.0
67.5°	233.7	238.0	243.0	244.2	246.2
70°	201.4	204.9	208.8	210.3	211.1
72.5°	171.0	173.7	176.4	177.6	177.6
75°	142.9	145.3	146.8	147.2	146.8
77.5°	117.6	118.0	121.5	119.2	118.8
80°	92.7	92.7	93.9	93.9	93.1
82.5°	68.6	70.1	69.7	69.3	68.2
85°	45.2	47.1	46.7	46.0	45.2
87.5°	22.2	24.5	23.4	24.5	22.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527007

CATALOG NUMBER: 22CGTX-20-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	14.6	16.3	15.0	16.6	17.0	14.8	16.5	15.2	16.8	17.1
	3H	16.3	17.9	16.7	18.2	18.6	16.5	18.1	16.9	18.4	18.8
	4H	17.0	18.4	17.4	18.8	19.1	17.2	18.6	17.6	19.0	19.4
	6H	17.5	18.9	17.9	19.2	19.6	17.7	19.0	18.1	19.4	19.8
	8H	17.7	19.0	18.1	19.4	19.8	17.9	19.2	18.3	19.5	19.9
	12H	17.8	19.1	18.3	19.5	19.9	18.0	19.2	18.4	19.6	20.1
4H	2H	15.3	16.7	15.7	17.1	17.5	15.4	16.9	15.8	17.2	17.6
	3H	17.2	18.4	17.6	18.8	19.2	17.4	18.6	17.8	19.0	19.4
	4H	18.0	19.1	18.4	19.5	19.9	18.1	19.2	18.6	19.7	20.1
	6H	18.6	19.6	19.1	20.1	20.5	18.8	19.8	19.2	20.2	20.7
	8H	18.9	19.8	19.3	20.2	20.7	19.0	19.9	19.5	20.4	20.8
	12H	19.1	19.9	19.6	20.4	20.9	19.2	20.1	19.7	20.5	21.0
8H	4H	18.3	19.2	18.8	19.7	20.1	18.5	19.4	18.9	19.8	20.3
	6H	19.1	19.9	19.6	20.4	20.8	19.2	20.0	19.7	20.5	21.0
	8H	19.5	20.1	20.0	20.7	21.1	19.6	20.3	20.1	20.8	21.2
	12H	19.8	20.4	20.3	20.9	21.4	19.9	20.5	20.4	21.0	21.5
12H	4H	18.4	19.2	18.8	19.7	20.1	18.5	19.3	19.0	19.8	20.3
	6H	19.2	19.9	19.7	20.4	20.9	19.3	20.0	19.8	20.5	21.0
	8H	19.6	20.2	20.1	20.7	21.3	19.7	20.3	20.2	20.8	21.4













(END OF REPORT)