

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: P1527006

Luminaire Tested: 22CGTX-20-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527006
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

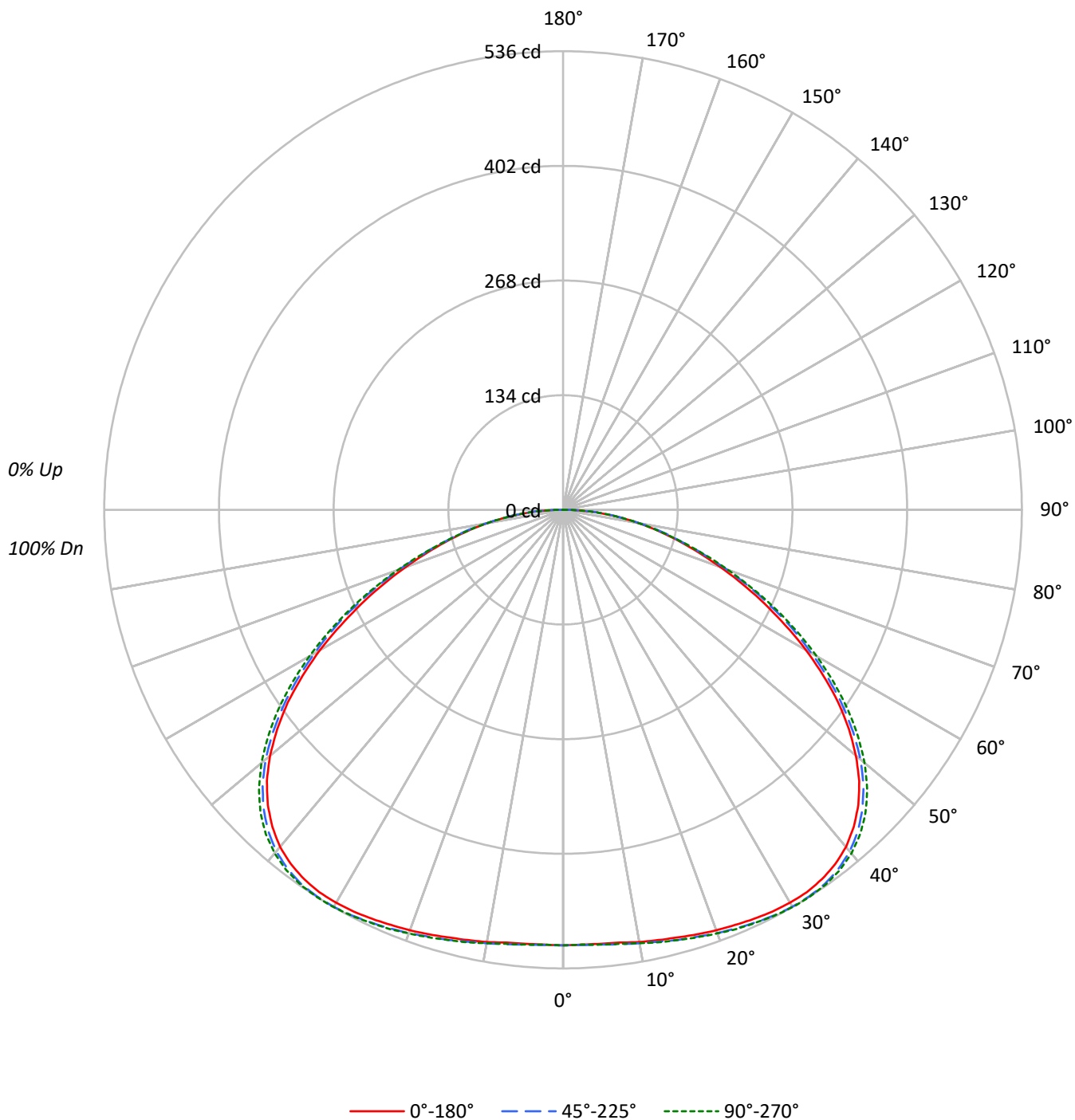
Lumens per Lamp: N/A
Luminaire Lumens: 1975.7 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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
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°	1370	1370	1370
5°	1375	1378	1378
10°	1401	1405	1405
15°	1441	1450	1450
20°	1498	1507	1509
25°	1566	1580	1581
30°	1647	1665	1666
35°	1732	1753	1757
40°	1807	1831	1841
45°	1856	1882	1902
50°	1870	1898	1925
55°	1841	1870	1904
60°	1765	1803	1842
65°	1654	1714	1743
70°	1538	1595	1613
75°	1443	1483	1483
80°	1395	1412	1401
85°	1355	1402	1355

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1925 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	2.5
10°-20°	147.5	7.5
20°-30°	245.8	12.4
30°-40°	333.0	16.9
40°-50°	379.8	19.2
50°-60°	355.1	18.0
60°-70°	265.2	13.4
70°-80°	151.4	7.7
80°-90°	49.1	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°	442.1	22.4
0°-40°	775.2	39.2
0°-60°	1510.1	76.4
0°-90°	1975.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	509	510	510	510	510	49
15°	517	519	520	521	520	147
25°	528	529	532	533	532	244
35°	527	530	534	535	535	330
45°	488	490	495	498	500	375
55°	392	394	399	403	406	349
65°	260	264	269	271	274	258
75°	139	141	143	143	143	148
85°	44	46	45	45	44	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	509.0	509.0	509.0	509.0	509.0
2.5°	508.6	509.0	509.0	509.7	508.6
5°	509.0	509.7	510.1	510.5	510.1
7.5°	510.1	511.3	512.0	512.4	511.6
10°	512.8	513.5	514.3	515.0	514.3
12.5°	515.0	516.2	516.9	518.1	517.7
15°	517.3	518.8	520.3	520.7	520.3
17.5°	520.3	521.5	523.0	523.7	523.7
20°	523.0	524.5	526.4	527.1	526.8
22.5°	525.2	527.1	529.4	530.5	530.2
25°	527.5	529.4	532.1	532.8	532.4
27.5°	529.4	531.7	534.3	535.5	534.7
30°	530.2	532.4	535.8	536.6	536.2
32.5°	529.8	532.1	535.5	536.6	536.2
35°	527.1	529.8	533.6	535.1	534.7
37.5°	522.2	524.9	528.7	530.5	530.9
40°	514.3	516.9	521.1	523.7	524.1
42.5°	502.6	505.2	509.7	512.8	513.9
45°	487.8	490.1	494.6	498.0	499.9
47.5°	469.3	471.2	476.1	479.9	481.8
50°	446.6	448.5	453.4	457.2	459.8
52.5°	420.9	422.4	427.3	431.8	434.1
55°	392.5	393.7	398.6	403.1	405.8
57.5°	360.4	363.8	367.6	371.7	374.7
60°	327.9	330.5	335.0	339.2	342.2
62.5°	293.1	298.0	303.3	305.5	308.2
65°	259.8	263.6	269.2	270.8	273.8
67.5°	226.9	231.0	236.0	237.1	239.0
70°	195.5	198.9	202.7	204.2	205.0
72.5°	166.0	168.7	171.3	172.4	172.4
75°	138.8	141.0	142.6	142.9	142.6
77.5°	114.2	114.6	118.0	115.7	115.3
80°	90.0	90.0	91.1	91.1	90.4
82.5°	66.6	68.1	67.7	67.3	66.2
85°	43.9	45.8	45.4	44.6	43.9
87.5°	21.6	23.8	22.7	23.8	21.9
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	14.5	16.2	14.9	16.5	16.9	14.7	16.4	15.1	16.7	17.0
	3H	16.2	17.8	16.6	18.1	18.4	16.4	18.0	16.8	18.3	18.7
	4H	16.9	18.3	17.3	18.7	19.0	17.1	18.5	17.5	18.9	19.2
	6H	17.4	18.7	17.8	19.1	19.5	17.6	18.9	18.0	19.3	19.7
	8H	17.6	18.9	18.0	19.3	19.7	17.8	19.1	18.2	19.4	19.8
	12H	17.7	19.0	18.2	19.4	19.8	17.9	19.1	18.3	19.5	20.0
4H	2H	15.2	16.6	15.6	17.0	17.4	15.3	16.8	15.7	17.1	17.5
	3H	17.1	18.3	17.5	18.7	19.1	17.3	18.5	17.7	18.9	19.3
	4H	17.9	19.0	18.3	19.4	19.8	18.0	19.1	18.5	19.6	20.0
	6H	18.5	19.5	19.0	19.9	20.4	18.7	19.7	19.1	20.1	20.5
	8H	18.8	19.7	19.2	20.1	20.6	18.9	19.8	19.4	20.3	20.7
	12H	19.0	19.8	19.5	20.3	20.8	19.1	19.9	19.6	20.4	20.9
8H	4H	18.2	19.1	18.7	19.6	20.0	18.3	19.3	18.8	19.7	20.2
	6H	19.0	19.8	19.5	20.3	20.7	19.1	19.9	19.6	20.4	20.9
	8H	19.4	20.0	19.9	20.5	21.0	19.5	20.2	20.0	20.7	21.1
	12H	19.7	20.3	20.2	20.8	21.3	19.8	20.4	20.3	20.9	21.4
12H	4H	18.2	19.1	18.7	19.5	20.0	18.4	19.2	18.9	19.7	20.2
	6H	19.1	19.8	19.6	20.2	20.8	19.2	19.9	19.7	20.4	20.9
	8H	19.5	20.1	20.0	20.6	21.2	19.6	20.2	20.1	20.7	21.3















(END OF REPORT)