

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: P1527009

Luminaire Tested: 22CGTX-20HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527009
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-20HE-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

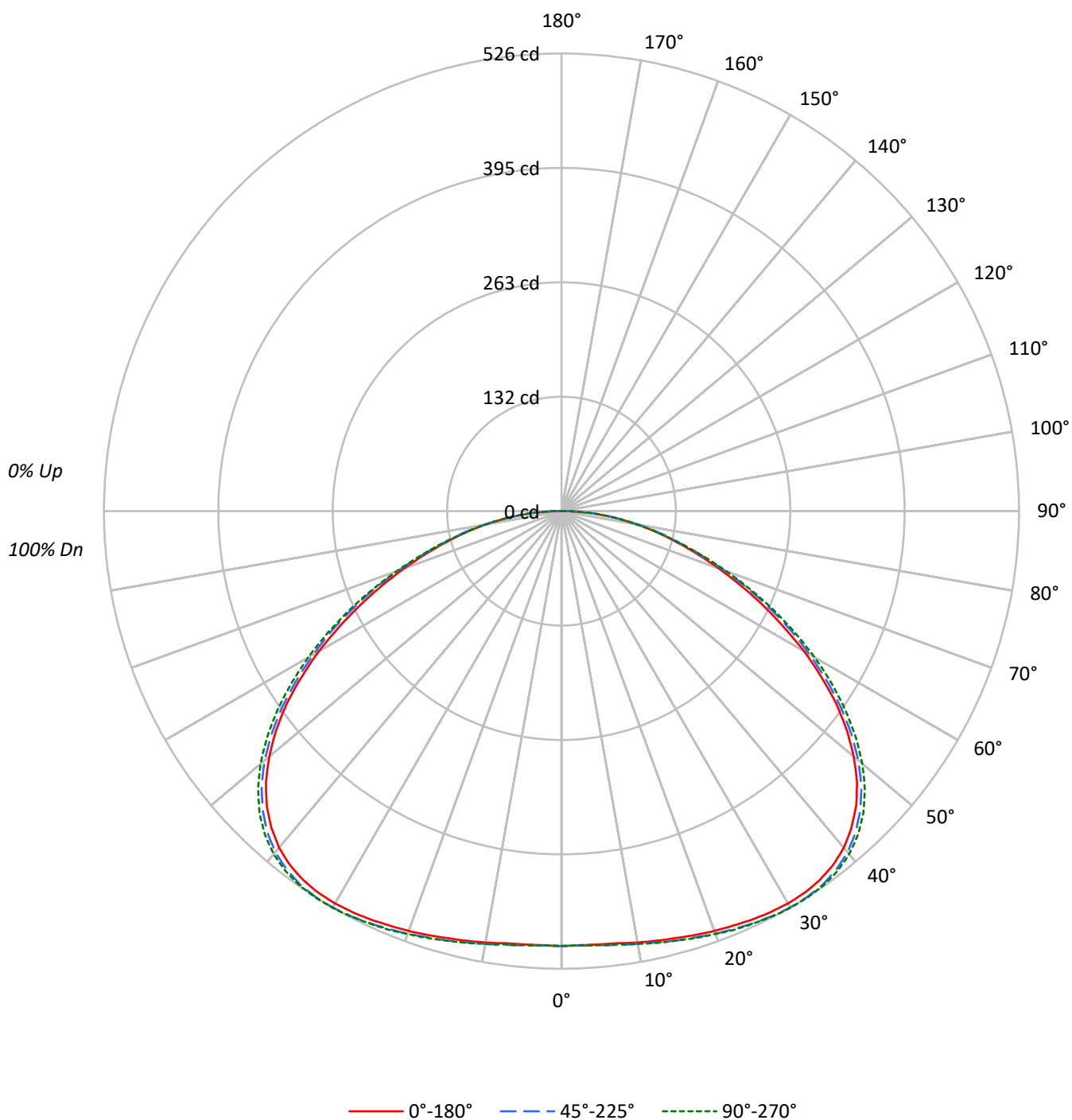
Lumens per Lamp: N/A
Luminaire Lumens: 1940.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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

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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
RW	70	50	30	10	70	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
1	108	103	98	94	105	101	97	93		96	93	90		92	90	87		89	87	84
2	98	89	82	76	95	87	80	75		83	78	73		80	75	71		77	73	70
3	89	77	69	62	86	76	68	61		73	66	60		70	64	59		67	62	58
4	81	68	59	52	78	67	58	51		64	57	51		62	55	50		59	54	49
5	74	60	51	44	72	59	50	44		57	49	43		55	48	43		53	47	42
6	68	54	45	38	66	53	44	38		51	43	37		49	42	37		48	41	37
7	63	49	39	33	61	48	39	33		46	38	33		45	38	32		43	37	32
8	58	44	35	29	57	43	35	29		42	34	29		41	34	29		39	33	28
9	54	40	32	26	53	40	31	26		38	31	26		37	30	26		36	30	25
10	51	37	29	23	49	36	29	23		35	28	23		34	28	23		34	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1345	1345	1345
5°	1350	1353	1353
10°	1376	1380	1380
15°	1415	1423	1423
20°	1470	1480	1481
25°	1538	1551	1552
30°	1618	1635	1636
35°	1700	1721	1725
40°	1774	1798	1808
45°	1823	1848	1868
50°	1836	1864	1890
55°	1808	1836	1869
60°	1732	1771	1808
65°	1624	1684	1712
70°	1511	1566	1583
75°	1417	1456	1456
80°	1370	1387	1375
85°	1331	1377	1331

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	2.5
10°-20°	144.8	7.5
20°-30°	241.4	12.4
30°-40°	327.0	16.9
40°-50°	373.0	19.2
50°-60°	348.6	18.0
60°-70°	260.4	13.4
70°-80°	148.6	7.7
80°-90°	48.3	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°	434.1	22.4
0°-40°	761.1	39.2
0°-60°	1482.7	76.4
0°-90°	1940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	500	500	501	501	501	48
15°	508	509	511	511	511	144
25°	518	520	522	523	523	240
35°	518	520	524	525	525	324
45°	479	481	486	489	491	368
55°	385	386	391	396	398	343
65°	255	259	264	266	269	253
75°	136	138	140	140	140	145
85°	43	45	45	44	43	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.8	499.8	499.8	499.8	499.8
2.5°	499.4	499.8	499.8	500.5	499.4
5°	499.8	500.5	500.9	501.3	500.9
7.5°	500.9	502.0	502.8	503.1	502.4
10°	503.5	504.2	505.0	505.7	505.0
12.5°	505.7	506.8	507.6	508.7	508.3
15°	508.0	509.4	510.9	511.3	510.9
17.5°	510.9	512.0	513.5	514.3	514.3
20°	513.5	515.0	516.9	517.6	517.2
22.5°	515.7	517.6	519.8	520.9	520.6
25°	518.0	519.8	522.4	523.2	522.8
27.5°	519.8	522.1	524.7	525.8	525.0
30°	520.6	522.8	526.1	526.9	526.5
32.5°	520.2	522.4	525.8	526.9	526.5
35°	517.6	520.2	523.9	525.4	525.0
37.5°	512.8	515.4	519.1	520.9	521.3
40°	505.0	507.6	511.7	514.3	514.6
42.5°	493.5	496.1	500.5	503.5	504.6
45°	479.0	481.2	485.7	489.0	490.9
47.5°	460.8	462.7	467.5	471.2	473.0
50°	438.5	440.4	445.2	448.9	451.5
52.5°	413.3	414.8	419.6	424.0	426.3
55°	385.4	386.5	391.4	395.8	398.4
57.5°	353.9	357.2	360.9	365.0	368.0
60°	321.9	324.5	329.0	333.1	336.0
62.5°	287.8	292.6	297.8	300.0	302.6
65°	255.1	258.8	264.4	265.9	268.8
67.5°	222.8	226.9	231.7	232.8	234.7
70°	192.0	195.3	199.0	200.5	201.2
72.5°	163.0	165.6	168.2	169.3	169.3
75°	136.3	138.5	140.0	140.4	140.0
77.5°	112.1	112.5	115.8	113.6	113.2
80°	88.4	88.4	89.5	89.5	88.7
82.5°	65.4	66.8	66.5	66.1	65.0
85°	43.1	44.9	44.6	43.8	43.1
87.5°	21.2	23.4	22.3	23.4	21.5
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	14.8	16.5	16.8	14.6	16.3	15.0	16.7	17.0
	3H	16.2	17.7	16.5	18.0	18.4	16.4	17.9	16.7	18.2	18.6
	4H	16.8	18.3	17.2	18.6	19.0	17.0	18.5	17.4	18.8	19.2
	6H	17.3	18.7	17.7	19.0	19.4	17.5	18.9	17.9	19.2	19.6
	8H	17.5	18.8	17.9	19.2	19.6	17.7	19.0	18.1	19.4	19.8
	12H	17.7	18.9	18.1	19.3	19.7	17.8	19.1	18.3	19.5	19.9
4H	2H	15.1	16.6	15.5	16.9	17.3	15.2	16.7	15.6	17.1	17.4
	3H	17.0	18.3	17.4	18.6	19.0	17.2	18.4	17.6	18.8	19.2
	4H	17.8	18.9	18.2	19.3	19.8	18.0	19.1	18.4	19.5	19.9
	6H	18.5	19.4	18.9	19.9	20.3	18.6	19.6	19.1	20.0	20.5
	8H	18.7	19.6	19.2	20.1	20.5	18.9	19.8	19.3	20.2	20.7
	12H	18.9	19.8	19.4	20.2	20.7	19.1	19.9	19.5	20.4	20.8
8H	4H	18.1	19.1	18.6	19.5	20.0	18.3	19.2	18.7	19.6	20.1
	6H	18.9	19.7	19.4	20.2	20.7	19.1	19.8	19.6	20.3	20.8
	8H	19.3	20.0	19.8	20.5	21.0	19.4	20.1	19.9	20.6	21.1
	12H	19.6	20.2	20.1	20.7	21.3	19.7	20.3	20.2	20.8	21.4
12H	4H	18.2	19.0	18.7	19.5	20.0	18.3	19.2	18.8	19.6	20.1
	6H	19.0	19.7	19.6	20.2	20.7	19.2	19.9	19.7	20.3	20.8
	8H	19.4	20.0	19.9	20.5	21.1	19.5	20.2	20.0	20.6	21.2











(END OF REPORT)