

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: P1526957

Luminaire Tested: 14CGTX-20-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-20-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

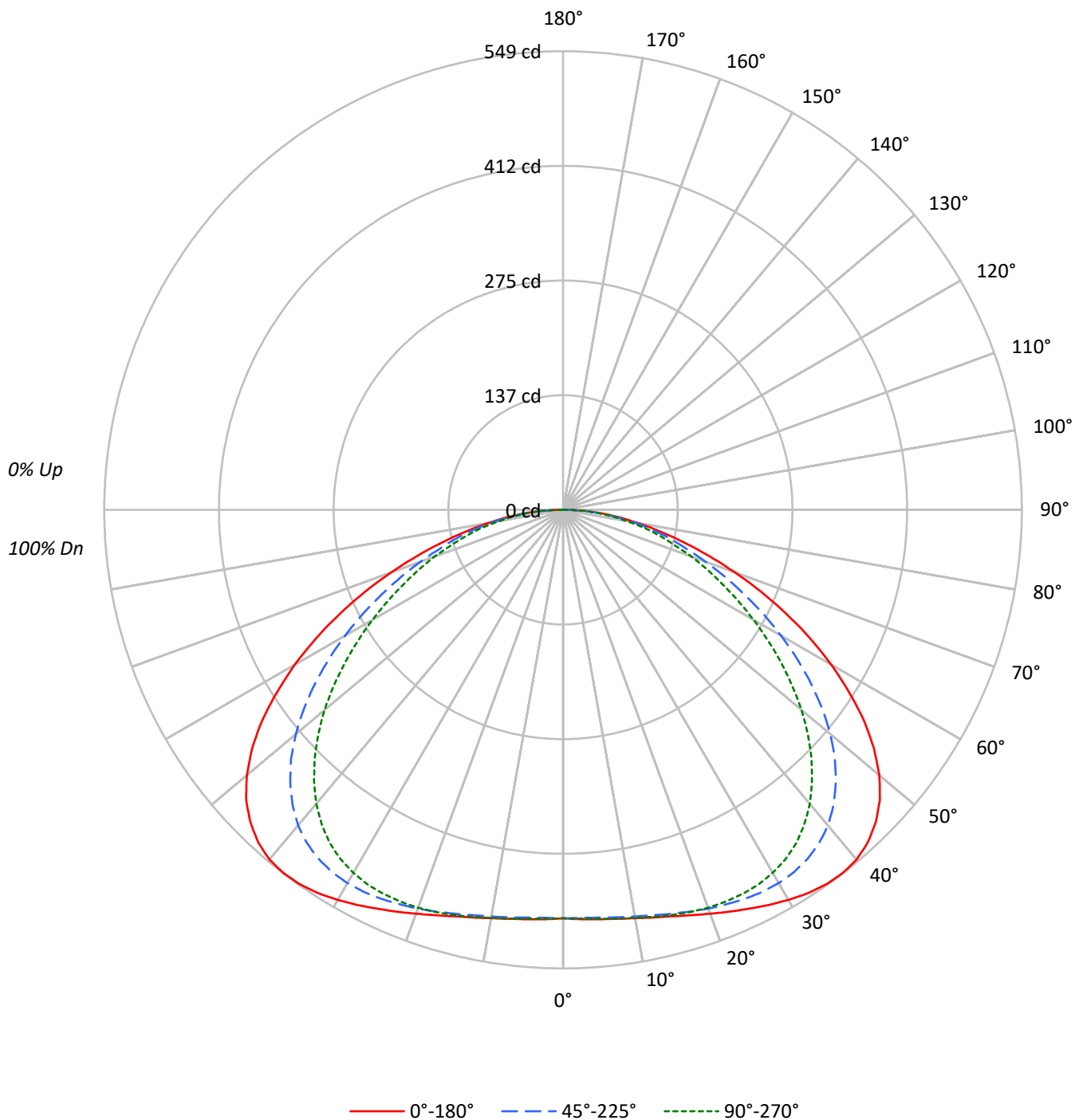
Lumens per Lamp: N/A
Luminaire Lumens: 1874.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	78	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	44	72	59	51	44	57	50	44		55	48	43		53	47	43	40
6	68	54	45	38	66	53	44	38	51	44	38		50	43	37		48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33		45	38	33		44	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29		41	34	29		40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26		38	31	26		37	30	26	24
10	51	37	29	24	50	37	29	24	36	28	23		35	28	23		34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1316	1316	1316
5°	1329	1324	1328
10°	1356	1350	1355
15°	1403	1394	1399
20°	1473	1455	1452
25°	1564	1526	1507
30°	1675	1603	1559
35°	1799	1675	1599
40°	1920	1733	1614
45°	2014	1757	1600
50°	2068	1747	1559
55°	2062	1699	1494
60°	1993	1621	1416
65°	1878	1522	1339
70°	1718	1426	1287
75°	1546	1372	1243
80°	1413	1334	1201
85°	1359	1275	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2072 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	2.5
10°-20°	142.5	7.6
20°-30°	238.5	12.7
30°-40°	321.3	17.1
40°-50°	360.4	19.2
50°-60°	330.7	17.6
60°-70°	244.6	13.1
70°-80°	142.3	7.6
80°-90°	46.8	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°	428.0	22.8
0°-40°	749.2	40.0
0°-60°	1440.3	76.9
0°-90°	1874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1874.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	489	489	489	489	489	
5°	492	492	490	490	492	47
15°	504	503	500	501	502	143
25°	527	523	514	508	507	244
35°	548	536	510	492	487	343
45°	529	509	462	430	420	407
55°	440	414	362	328	318	391
65°	295	277	239	217	210	292
75°	149	147	132	122	120	159
85°	44	45	41	42	39	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	489.0	489.0	489.0	489.0	489.0
2.5°	490.5	490.5	488.8	489.3	489.8
5°	492.0	491.7	490.0	490.2	491.5
7.5°	493.7	493.7	492.0	492.0	493.7
10°	496.4	495.9	494.2	494.6	495.9
12.5°	499.8	498.8	497.1	497.6	499.0
15°	503.7	502.7	500.5	501.0	502.2
17.5°	508.8	507.4	504.2	504.2	504.9
20°	514.4	512.0	508.1	506.1	506.9
22.5°	520.6	517.4	511.0	507.6	507.8
25°	526.7	522.8	514.0	508.3	507.4
27.5°	533.3	527.7	515.7	507.8	505.9
30°	539.1	532.1	515.9	505.2	501.7
32.5°	544.3	535.0	514.2	500.0	495.6
35°	547.7	536.2	510.0	492.2	486.8
37.5°	548.7	534.7	503.2	481.4	474.3
40°	546.5	530.1	493.2	467.3	459.4
42.5°	539.9	521.8	479.0	450.1	440.9
45°	529.1	509.1	461.6	430.3	420.3
47.5°	514.2	491.5	441.3	407.6	397.1
50°	493.9	469.9	417.4	382.9	372.4
52.5°	468.7	443.8	390.7	356.7	345.5
55°	439.6	414.4	362.1	328.4	318.4
57.5°	405.6	382.4	332.0	300.0	290.5
60°	370.4	348.4	301.2	271.6	263.1
62.5°	333.3	313.2	270.2	243.5	236.2
65°	294.9	277.0	239.1	217.4	210.3
67.5°	256.5	242.8	209.5	190.2	186.3
70°	218.3	208.1	181.2	168.5	163.6
72.5°	182.2	176.8	154.3	145.7	139.1
75°	148.7	146.7	132.0	121.5	119.6
77.5°	118.3	121.3	108.6	101.0	99.3
80°	91.2	94.1	86.1	79.7	77.5
82.5°	66.5	70.4	62.3	60.9	58.7
85°	44.0	45.2	41.3	41.8	38.9
87.5°	21.5	24.0	21.8	22.5	21.0
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	15.2	16.9	15.5	17.2	17.5	13.4	15.0	13.7	15.4	15.7
	3H	16.9	18.4	17.3	18.8	19.1	15.1	16.6	15.4	16.9	17.3
	4H	17.5	19.0	17.9	19.3	19.7	15.8	17.2	16.2	17.6	17.9
	6H	18.0	19.4	18.4	19.7	20.1	16.3	17.7	16.8	18.1	18.5
	8H	18.2	19.5	18.6	19.9	20.3	16.6	17.9	17.0	18.2	18.6
	12H	18.3	19.6	18.8	20.0	20.4	16.7	18.0	17.2	18.4	18.8
4H	2H	15.6	17.0	16.0	17.4	17.7	14.1	15.6	14.5	15.9	16.3
	3H	17.6	18.8	18.0	19.2	19.6	16.1	17.3	16.5	17.7	18.1
	4H	18.4	19.5	18.8	19.9	20.3	16.9	18.0	17.3	18.4	18.8
	6H	19.0	20.0	19.5	20.4	20.9	17.6	18.6	18.0	19.0	19.5
	8H	19.3	20.2	19.7	20.6	21.1	17.9	18.8	18.3	19.2	19.7
	12H	19.5	20.3	19.9	20.8	21.2	18.1	18.9	18.6	19.4	19.9
8H	4H	18.6	19.5	19.1	20.0	20.4	17.3	18.2	17.8	18.7	19.1
	6H	19.4	20.2	19.9	20.7	21.1	18.2	18.9	18.6	19.4	19.9
	8H	19.7	20.4	20.3	20.9	21.4	18.5	19.2	19.0	19.7	20.2
	12H	20.0	20.7	20.5	21.1	21.7	18.9	19.5	19.4	20.0	20.5
12H	4H	18.6	19.5	19.1	19.9	20.4	17.4	18.2	17.8	18.7	19.1
	6H	19.5	20.2	20.0	20.6	21.2	18.3	19.0	18.8	19.4	20.0
	8H	19.9	20.5	20.4	21.0	21.5	18.7	19.3	19.2	19.8	20.4











(END OF REPORT)