

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: P1526959

Luminaire Tested: 14CGTX-20-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526959
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

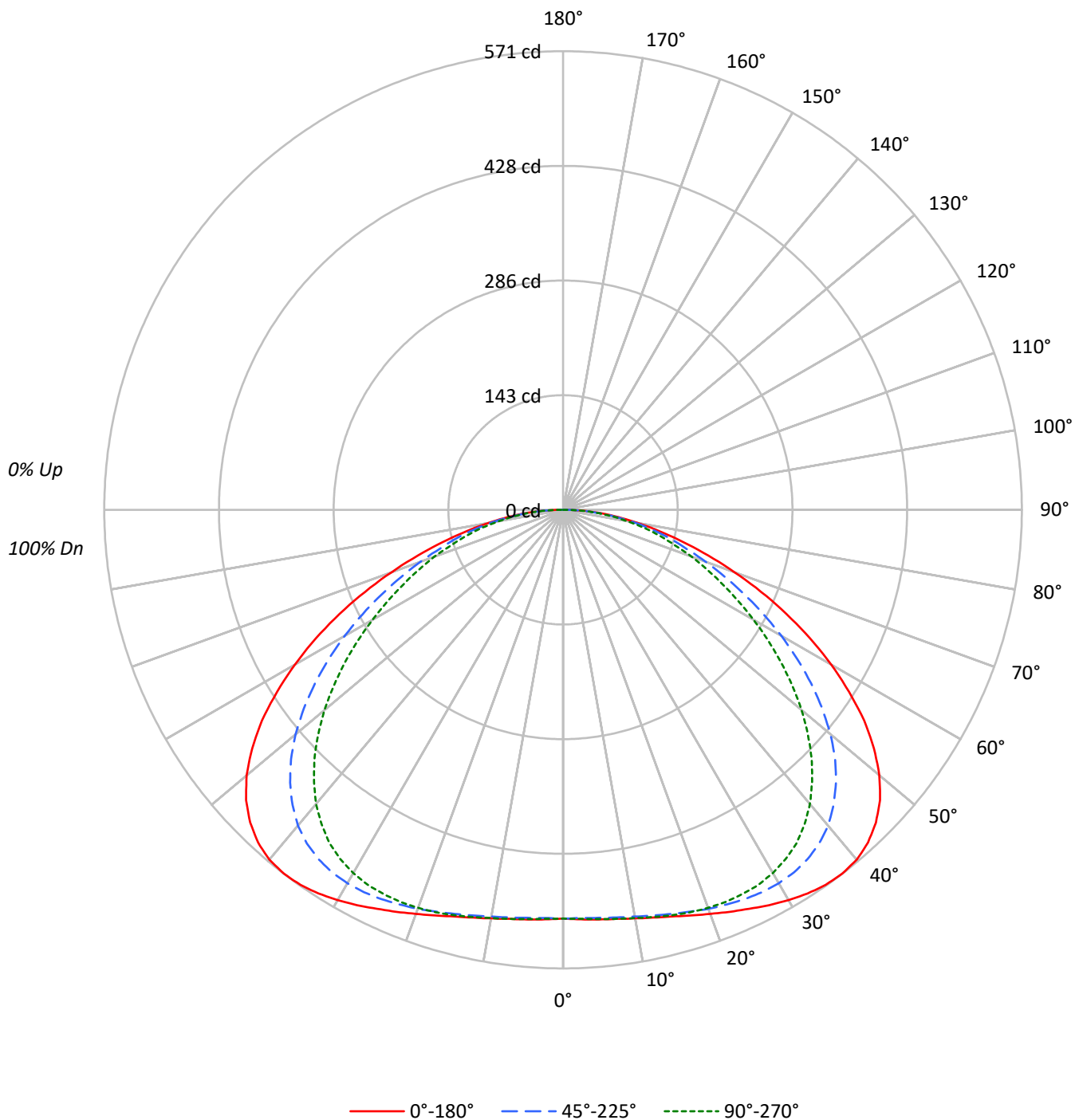
Lumens per Lamp: N/A
Luminaire Lumens: 1950.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526959

CATALOG NUMBER: 14CGTX-20-F125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1526959

CATALOG NUMBER: 14CGTX-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	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°	1369	1369	1369
5°	1383	1377	1381
10°	1411	1405	1410
15°	1460	1451	1456
20°	1533	1514	1510
25°	1627	1588	1567
30°	1743	1668	1622
35°	1872	1743	1664
40°	1997	1803	1679
45°	2095	1828	1665
50°	2151	1818	1622
55°	2146	1768	1554
60°	2075	1687	1474
65°	1954	1584	1393
70°	1788	1483	1339
75°	1608	1429	1293
80°	1471	1389	1251
85°	1414	1328	1250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2156 cd/sqm

TEST NUMBER: P1526959

CATALOG NUMBER: 14CGTX-20-F125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	2.5
10°-20°	148.3	7.6
20°-30°	248.1	12.7
30°-40°	334.3	17.1
40°-50°	375.0	19.2
50°-60°	344.1	17.6
60°-70°	254.5	13.1
70°-80°	148.1	7.6
80°-90°	48.7	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°	445.3	22.8
0°-40°	779.6	40.0
0°-60°	1498.8	76.9
0°-90°	1950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	512	512	510	510	511	49
15°	524	523	521	521	523	149
25°	548	544	535	529	528	254
35°	570	558	531	512	507	357
45°	551	530	480	448	437	423
55°	458	431	377	342	331	406
65°	307	288	249	226	219	303
75°	155	153	137	126	124	166
85°	46	47	43	44	40	50
90°	0	0	0	0	0	

TEST NUMBER: P1526959

CATALOG NUMBER: 14CGTX-20-F125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	508.9	508.9	508.9	508.9	508.9
2.5°	510.4	510.4	508.6	509.1	509.6
5°	511.9	511.6	509.9	510.1	511.4
7.5°	513.7	513.7	511.9	511.9	513.7
10°	516.5	516.0	514.2	514.7	516.0
12.5°	520.0	519.0	517.2	517.8	519.3
15°	524.1	523.1	520.8	521.3	522.6
17.5°	529.5	527.9	524.6	524.6	525.4
20°	535.3	532.8	528.7	526.7	527.4
22.5°	541.7	538.4	531.7	528.2	528.4
25°	548.0	544.0	534.8	529.0	527.9
27.5°	554.9	549.0	536.6	528.4	526.4
30°	561.0	553.6	536.8	525.6	522.1
32.5°	566.4	556.7	535.1	520.3	515.7
35°	569.9	558.0	530.7	512.2	506.6
37.5°	570.9	556.4	523.6	501.0	493.6
40°	568.6	551.6	513.2	486.2	478.1
42.5°	561.8	542.9	498.4	468.4	458.7
45°	550.6	529.7	480.4	447.8	437.4
47.5°	535.1	511.4	459.2	424.1	413.2
50°	513.9	489.0	434.3	398.4	387.5
52.5°	487.7	461.8	406.6	371.2	359.5
55°	457.5	431.3	376.8	341.7	331.3
57.5°	422.1	397.9	345.5	312.2	302.3
60°	385.5	362.6	313.5	282.7	273.8
62.5°	346.8	325.9	281.1	253.4	245.8
65°	306.8	288.3	248.8	226.2	218.8
67.5°	266.9	252.6	218.0	197.9	193.9
70°	227.2	216.5	188.5	175.3	170.2
72.5°	189.5	183.9	160.5	151.6	144.8
75°	154.7	152.7	137.4	126.4	124.4
77.5°	123.1	126.2	113.0	105.1	103.3
80°	94.9	98.0	89.6	82.9	80.7
82.5°	69.2	73.3	64.9	63.4	61.1
85°	45.8	47.1	43.0	43.5	40.5
87.5°	22.4	24.9	22.6	23.4	21.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526959

CATALOG NUMBER: 14CGTX-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	15.3	17.0	15.7	17.3	17.6	13.5	15.2	13.9	15.5	15.8
	3H	17.0	18.6	17.4	18.9	19.3	15.2	16.8	15.6	17.1	17.4
	4H	17.7	19.1	18.1	19.5	19.9	15.9	17.4	16.3	17.7	18.1
	6H	18.2	19.5	18.6	19.9	20.3	16.5	17.8	16.9	18.2	18.6
	8H	18.3	19.6	18.8	20.0	20.4	16.7	18.0	17.1	18.4	18.8
	12H	18.5	19.7	18.9	20.1	20.5	16.9	18.1	17.3	18.5	18.9
4H	2H	15.7	17.2	16.1	17.5	17.9	14.3	15.7	14.7	16.1	16.4
	3H	17.7	18.9	18.1	19.3	19.7	16.2	17.4	16.6	17.8	18.2
	4H	18.5	19.6	18.9	20.0	20.5	17.0	18.1	17.4	18.5	19.0
	6H	19.2	20.1	19.6	20.6	21.0	17.7	18.7	18.2	19.1	19.6
	8H	19.4	20.3	19.9	20.8	21.2	18.0	18.9	18.5	19.4	19.8
	12H	19.6	20.4	20.1	20.9	21.4	18.2	19.1	18.7	19.5	20.0
8H	4H	18.7	19.7	19.2	20.1	20.6	17.4	18.3	17.9	18.8	19.3
	6H	19.6	20.3	20.0	20.8	21.3	18.3	19.1	18.8	19.5	20.0
	8H	19.9	20.6	20.4	21.1	21.6	18.7	19.3	19.2	19.9	20.3
	12H	20.2	20.8	20.7	21.3	21.8	19.0	19.6	19.5	20.1	20.6
12H	4H	18.8	19.6	19.3	20.1	20.5	17.5	18.3	18.0	18.8	19.3
	6H	19.6	20.3	20.1	20.8	21.3	18.4	19.1	18.9	19.6	20.1
	8H	20.0	20.6	20.5	21.1	21.7	18.8	19.4	19.3	19.9	20.5















(END OF REPORT)