

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: P1526960

Luminaire Tested: 14CGTX-20-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526960
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

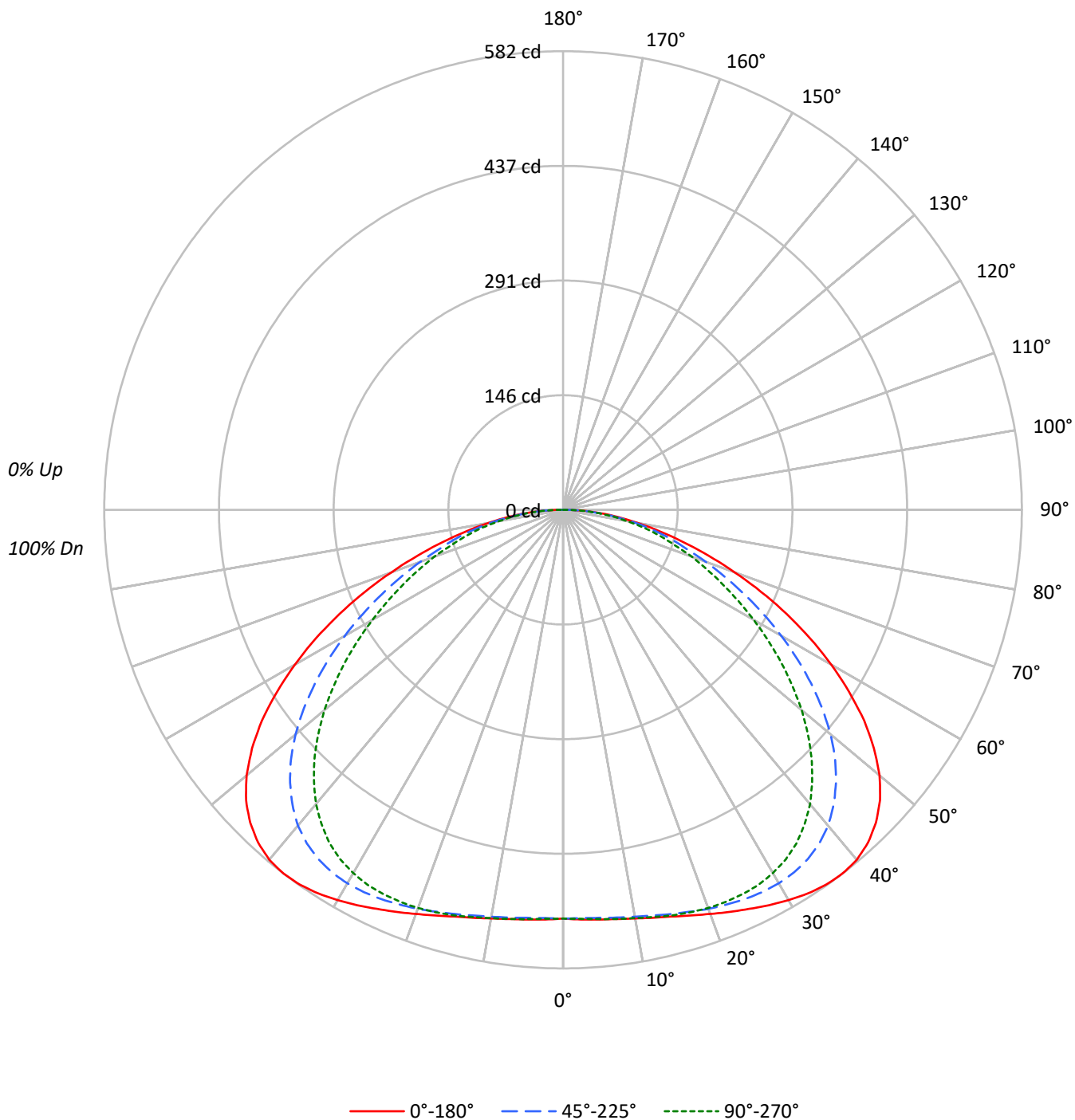
Lumens per Lamp: N/A
Luminaire Lumens: 1988.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1526960

CATALOG NUMBER: 14CGTX-20-F125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526960

CATALOG NUMBER: 14CGTX-20-F125-L850

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	1396	1396	1396
5°	1410	1404	1408
10°	1439	1432	1437
15°	1489	1479	1484
20°	1563	1544	1540
25°	1659	1619	1598
30°	1777	1701	1654
35°	1909	1778	1696
40°	2036	1838	1712
45°	2136	1864	1697
50°	2194	1854	1654
55°	2188	1802	1584
60°	2115	1720	1502
65°	1992	1615	1421
70°	1822	1512	1365
75°	1640	1457	1318
80°	1499	1415	1274
85°	1442	1352	1272

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 2198 cd/sqm

TEST NUMBER: P1526960

CATALOG NUMBER: 14CGTX-20-F125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	2.5
10°-20°	151.2	7.6
20°-30°	253.0	12.7
30°-40°	340.8	17.1
40°-50°	382.3	19.2
50°-60°	350.8	17.6
60°-70°	259.5	13.1
70°-80°	150.9	7.6
80°-90°	49.6	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°	454.0	22.8
0°-40°	794.8	40.0
0°-60°	1527.9	76.9
0°-90°	1988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	519	519	519	519	519	
5°	522	522	520	520	521	50
15°	534	533	531	532	533	152
25°	559	555	545	539	538	259
35°	581	569	541	522	516	364
45°	561	540	490	456	446	431
55°	466	440	384	348	338	414
65°	313	294	254	231	223	309
75°	158	156	140	129	127	169
85°	47	48	44	44	41	51
90°	0	0	0	0	0	



TEST NUMBER: P1526960

CATALOG NUMBER: 14CGTX-20-F125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	518.8	518.8	518.8	518.8	518.8
2.5°	520.3	520.3	518.5	519.0	519.5
5°	521.9	521.6	519.8	520.1	521.4
7.5°	523.7	523.7	521.9	521.9	523.7
10°	526.5	526.0	524.2	524.7	526.0
12.5°	530.2	529.1	527.3	527.8	529.4
15°	534.3	533.3	531.0	531.5	532.8
17.5°	539.8	538.2	534.8	534.8	535.6
20°	545.7	543.1	539.0	536.9	537.7
22.5°	552.2	548.9	542.1	538.5	538.7
25°	558.7	554.6	545.2	539.3	538.2
27.5°	565.7	559.7	547.0	538.7	536.7
30°	571.9	564.4	547.3	535.9	532.3
32.5°	577.4	567.5	545.5	530.4	525.8
35°	581.0	568.8	541.1	522.1	516.4
37.5°	582.1	567.3	533.8	510.7	503.2
40°	579.7	562.3	523.2	495.7	487.4
42.5°	572.7	553.5	508.1	477.5	467.7
45°	561.3	540.0	489.7	456.5	445.9
47.5°	545.5	521.4	468.2	432.4	421.2
50°	524.0	498.5	442.8	406.2	395.0
52.5°	497.2	470.8	414.5	378.4	366.5
55°	466.4	439.7	384.1	348.4	337.7
57.5°	430.3	405.7	352.2	318.3	308.1
60°	393.0	369.6	319.6	288.2	279.1
62.5°	353.5	332.3	286.6	258.3	250.6
65°	312.8	293.9	253.7	230.6	223.1
67.5°	272.1	257.6	222.3	201.8	197.7
70°	231.6	220.7	192.2	178.7	173.5
72.5°	193.2	187.5	163.7	154.6	147.6
75°	157.7	155.6	140.1	128.9	126.8
77.5°	125.5	128.7	115.2	107.1	105.3
80°	96.7	99.9	91.3	84.6	82.2
82.5°	70.6	74.7	66.1	64.6	62.3
85°	46.7	48.0	43.8	44.4	41.2
87.5°	22.8	25.4	23.1	23.9	22.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526960

CATALOG NUMBER: 14CGTX-20-F125-L850

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	15.4	17.1	15.7	17.4	17.7	13.6	15.3	13.9	15.6	15.9
	3H	17.1	18.6	17.5	19.0	19.3	15.3	16.8	15.7	17.1	17.5
	4H	17.7	19.2	18.1	19.5	19.9	16.0	17.4	16.4	17.8	18.1
	6H	18.2	19.6	18.6	20.0	20.3	16.6	17.9	17.0	18.3	18.7
	8H	18.4	19.7	18.8	20.1	20.5	16.8	18.1	17.2	18.5	18.8
	12H	18.5	19.8	19.0	20.2	20.6	16.9	18.2	17.4	18.6	19.0
4H	2H	15.8	17.2	16.2	17.6	17.9	14.3	15.8	14.7	16.1	16.5
	3H	17.8	19.0	18.2	19.4	19.8	16.3	17.5	16.7	17.9	18.3
	4H	18.6	19.7	19.0	20.1	20.5	17.1	18.2	17.5	18.6	19.0
	6H	19.2	20.2	19.7	20.6	21.1	17.8	18.8	18.2	19.2	19.7
	8H	19.5	20.4	19.9	20.8	21.3	18.1	19.0	18.5	19.4	19.9
	12H	19.7	20.5	20.1	21.0	21.4	18.3	19.1	18.8	19.6	20.1
8H	4H	18.8	19.7	19.3	20.2	20.6	17.5	18.4	18.0	18.9	19.3
	6H	19.6	20.4	20.1	20.9	21.3	18.4	19.1	18.9	19.6	20.1
	8H	20.0	20.6	20.5	21.1	21.6	18.7	19.4	19.2	19.9	20.4
	12H	20.2	20.9	20.8	21.3	21.9	19.1	19.7	19.6	20.2	20.7
12H	4H	18.8	19.7	19.3	20.1	20.6	17.6	18.4	18.1	18.9	19.3
	6H	19.7	20.4	20.2	20.8	21.4	18.5	19.2	19.0	19.6	20.2
	8H	20.1	20.7	20.6	21.2	21.7	18.9	19.5	19.4	20.0	20.6















(END OF REPORT)