

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: P1526961

Luminaire Tested: 14CGTX-20HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526961
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-20HE-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

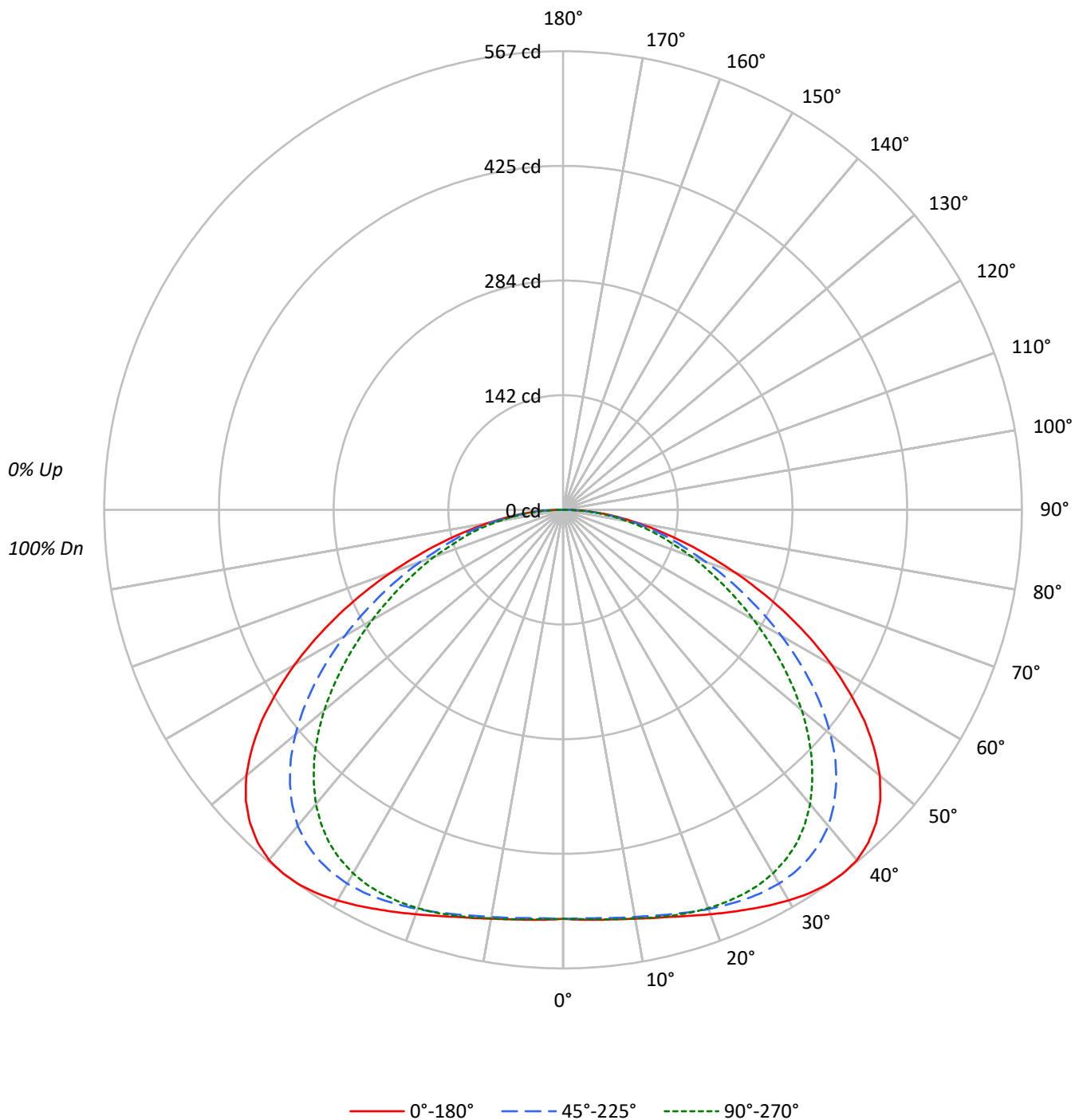
Lumens per Lamp: N/A
Luminaire Lumens: 1938.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1526961

CATALOG NUMBER: 14CGTX-20HE-F125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526961

CATALOG NUMBER: 14CGTX-20HE-F125-L830

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°	1361	1361	1361
5°	1374	1369	1373
10°	1403	1396	1401
15°	1451	1442	1447
20°	1523	1505	1501
25°	1617	1578	1558
30°	1733	1658	1612
35°	1861	1733	1654
40°	1985	1792	1669
45°	2082	1817	1654
50°	2138	1807	1612
55°	2133	1757	1544
60°	2062	1676	1464
65°	1941	1575	1385
70°	1777	1474	1331
75°	1598	1419	1285
80°	1461	1379	1243
85°	1405	1318	1241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2143 cd/sqm

TEST NUMBER: P1526961

CATALOG NUMBER: 14CGTX-20HE-F125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	2.5
10°-20°	147.4	7.6
20°-30°	246.6	12.7
30°-40°	332.3	17.1
40°-50°	372.7	19.2
50°-60°	342.0	17.6
60°-70°	252.9	13.1
70°-80°	147.2	7.6
80°-90°	48.4	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°	442.6	22.8
0°-40°	774.8	40.0
0°-60°	1489.5	76.9
0°-90°	1938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	506	506	506	506	506	
5°	509	508	507	507	508	49
15°	521	520	518	518	519	148
25°	545	541	532	526	525	253
35°	566	554	528	509	503	355
45°	547	526	477	445	435	421
55°	455	429	374	340	329	404
65°	305	286	247	225	218	302
75°	154	152	136	126	124	165
85°	46	47	43	43	40	50
90°	0	0	0	0	0	



TEST NUMBER: P1526961

CATALOG NUMBER: 14CGTX-20HE-F125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	505.7	505.7	505.7	505.7	505.7
2.5°	507.2	507.2	505.5	506.0	506.5
5°	508.8	508.5	506.7	507.0	508.2
7.5°	510.5	510.5	508.8	508.8	510.5
10°	513.3	512.8	511.0	511.5	512.8
12.5°	516.8	515.8	514.1	514.6	516.1
15°	520.9	519.9	517.6	518.1	519.4
17.5°	526.2	524.7	521.4	521.4	522.2
20°	532.0	529.5	525.4	523.4	524.2
22.5°	538.3	535.1	528.5	524.9	525.2
25°	544.7	540.6	531.5	525.7	524.7
27.5°	551.5	545.7	533.3	525.2	523.2
30°	557.6	550.2	533.5	522.4	518.9
32.5°	562.9	553.3	531.8	517.1	512.5
35°	566.4	554.5	527.5	509.0	503.4
37.5°	567.4	553.0	520.4	497.9	490.5
40°	565.1	548.2	510.0	483.2	475.1
42.5°	558.3	539.6	495.4	465.5	455.9
45°	547.2	526.5	477.4	445.0	434.7
47.5°	531.8	508.2	456.4	421.5	410.6
50°	510.8	486.0	431.6	396.0	385.1
52.5°	484.7	458.9	404.1	368.9	357.3
55°	454.6	428.6	374.5	339.6	329.2
57.5°	419.5	395.5	343.4	310.3	300.4
60°	383.1	360.3	311.5	280.9	272.1
62.5°	344.6	323.9	279.4	251.8	244.3
65°	304.9	286.5	247.3	224.8	217.5
67.5°	265.2	251.1	216.7	196.7	192.7
70°	225.8	215.2	187.4	174.2	169.2
72.5°	188.4	182.8	159.6	150.7	143.9
75°	153.7	151.7	136.5	125.7	123.6
77.5°	122.4	125.4	112.3	104.4	102.7
80°	94.3	97.4	89.0	82.4	80.2
82.5°	68.8	72.8	64.5	63.0	60.7
85°	45.5	46.8	42.7	43.2	40.2
87.5°	22.3	24.8	22.5	23.3	21.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526961

CATALOG NUMBER: 14CGTX-20HE-F125-L830

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	15.6	17.3	17.6	13.5	15.2	13.8	15.5	15.8
	3H	17.0	18.6	17.4	18.9	19.2	15.2	16.7	15.6	17.1	17.4
	4H	17.7	19.1	18.1	19.5	19.8	15.9	17.3	16.3	17.7	18.1
	6H	18.1	19.5	18.6	19.9	20.3	16.5	17.8	16.9	18.2	18.6
	8H	18.3	19.6	18.7	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	17.1	16.1	17.5	17.9	14.2	15.7	14.6	16.0	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	20.4	17.0	18.1	17.4	18.5	18.9
	6H	19.1	20.1	19.6	20.5	21.0	17.7	18.7	18.2	19.1	19.6
	8H	19.4	20.3	19.8	20.7	21.2	18.0	18.9	18.4	19.3	19.8
	12H	19.6	20.4	20.1	20.9	21.3	18.2	19.0	18.7	19.5	20.0
8H	4H	18.7	19.6	19.2	20.1	20.5	17.4	18.3	17.9	18.8	19.2
	6H	19.5	20.3	20.0	20.8	21.3	18.3	19.0	18.8	19.5	20.0
	8H	19.9	20.6	20.4	21.1	21.5	18.6	19.3	19.1	19.8	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	19.2	20.1	20.5	17.5	18.3	18.0	18.8	19.2
	6H	19.6	20.3	20.1	20.7	21.3	18.4	19.1	18.9	19.5	20.1
	8H	20.0	20.6	20.5	21.1	21.6	18.8	19.4	19.3	19.9	20.5













(END OF REPORT)