

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: P1526744

Luminaire Tested: 14CGTX-20HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-20HE-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

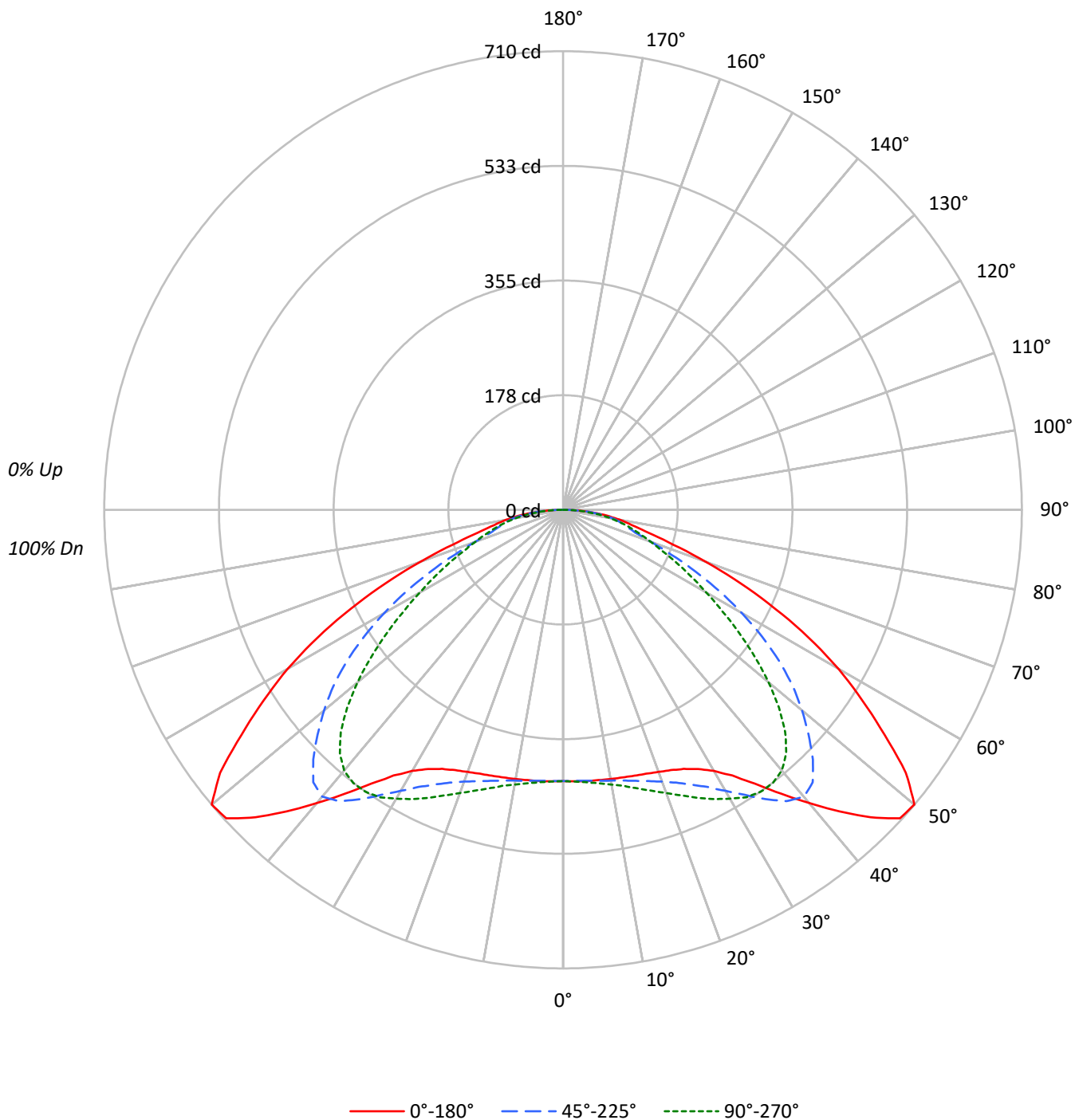
Lumens per Lamp: N/A
Luminaire Lumens: 1967.1 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1526744

CATALOG NUMBER: 14CGTX-20HE-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526744

CATALOG NUMBER: 14CGTX-20HE-A125-L830

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	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49	47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42	39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36	34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27	25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1130	1130	1130
5°	1139	1137	1143
10°	1157	1163	1180
15°	1187	1210	1244
20°	1237	1282	1336
25°	1314	1393	1460
30°	1450	1561	1604
35°	1699	1796	1751
40°	2080	2036	1851
45°	2562	2081	1850
50°	2971	2020	1738
55°	2850	1915	1563
60°	2648	1718	1376
65°	2307	1440	1233
70°	1845	1131	1131
75°	1416	1073	1124
80°	1390	1240	1144
85°	1396	1374	1121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2971 cd/sqm

TEST NUMBER: P1526744

CATALOG NUMBER: 14CGTX-20HE-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	2.1
10°-20°	124.0	6.3
20°-30°	218.2	11.1
30°-40°	338.0	17.2
40°-50°	430.6	21.9
50°-60°	391.8	19.9
60°-70°	254.1	12.9
70°-80°	123.6	6.3
80°-90°	46.3	2.4
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°	382.6	19.5
0°-40°	720.7	36.6
0°-60°	1543.1	78.4
0°-90°	1967.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	420	420	420	420	420	
5°	422	422	421	422	423	40
15°	426	429	434	442	447	121
25°	442	452	469	486	492	206
35°	517	540	547	538	533	329
45°	673	632	547	499	486	517
55°	608	533	408	352	333	542
65°	362	321	226	196	194	359
75°	136	125	103	98	108	154
85°	45	49	44	41	36	49
90°	0	0	0	0	0	

TEST NUMBER: P1526744

CATALOG NUMBER: 14CGTX-20HE-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	420.0	420.0	420.0	420.0	420.0
2.5°	420.8	421.3	420.0	420.3	421.0
5°	421.5	422.0	421.0	421.8	423.3
7.5°	422.0	423.1	423.1	424.9	426.9
10°	423.3	424.3	425.6	429.2	431.8
12.5°	424.3	426.1	429.2	435.1	437.9
15°	426.1	428.9	434.3	442.5	446.6
17.5°	428.4	432.5	440.2	450.9	455.8
20°	431.8	437.1	447.8	460.6	466.5
22.5°	436.1	443.3	457.0	472.1	478.5
25°	442.5	451.7	469.1	485.7	491.8
27.5°	452.2	463.7	483.6	500.2	504.8
30°	466.5	480.8	502.3	513.8	516.3
32.5°	487.7	506.1	523.2	527.0	527.6
35°	517.3	539.8	546.7	537.8	532.9
37.5°	553.6	578.7	568.4	541.9	533.2
40°	592.2	612.6	579.7	538.5	526.8
42.5°	633.1	632.0	572.0	524.0	511.2
45°	673.2	631.8	546.7	498.9	486.2
47.5°	706.9	612.6	515.3	468.0	453.0
50°	709.7	587.6	482.6	430.5	415.1
52.5°	668.8	562.8	448.1	391.6	374.0
55°	607.5	532.9	408.2	351.8	333.1
57.5°	549.5	493.8	364.8	310.7	292.3
60°	492.0	443.5	319.3	270.8	255.7
62.5°	428.4	385.0	272.8	231.2	223.3
65°	362.3	320.9	226.1	195.9	193.7
67.5°	298.1	260.1	181.4	162.7	165.5
70°	234.5	205.4	143.8	139.5	143.8
72.5°	178.3	162.0	117.0	118.0	125.2
75°	136.2	124.7	103.2	98.4	108.1
77.5°	109.1	101.7	91.5	84.3	91.5
80°	89.7	87.9	80.0	71.5	73.8
82.5°	67.7	69.0	62.8	58.5	55.7
85°	45.2	49.3	44.5	40.6	36.3
87.5°	22.7	27.6	23.5	20.9	18.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526744

CATALOG NUMBER: 14CGTX-20HE-A125-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	16.8	18.5	17.1	18.8	19.1	13.3	15.1	13.7	15.4	15.7
	3H	18.1	19.6	18.4	20.0	20.3	14.6	16.2	15.0	16.5	16.9
	4H	18.4	19.9	18.8	20.2	20.6	15.2	16.7	15.6	17.0	17.4
	6H	18.7	20.1	19.1	20.5	20.8	15.7	17.1	16.1	17.5	17.9
	8H	18.9	20.2	19.3	20.5	20.9	16.0	17.3	16.4	17.7	18.0
	12H	19.0	20.2	19.4	20.6	21.0	16.1	17.4	16.6	17.8	18.2
4H	2H	16.9	18.4	17.3	18.8	19.1	14.0	15.5	14.4	15.8	16.2
	3H	18.4	19.6	18.8	20.0	20.4	15.4	16.7	15.9	17.1	17.5
	4H	18.9	20.0	19.3	20.4	20.8	16.1	17.2	16.5	17.6	18.1
	6H	19.3	20.3	19.8	20.8	21.2	16.8	17.8	17.3	18.2	18.7
	8H	19.5	20.5	20.0	20.9	21.4	17.1	18.0	17.6	18.5	18.9
	12H	19.7	20.5	20.2	21.0	21.5	17.3	18.2	17.8	18.6	19.1
8H	4H	19.0	19.9	19.4	20.3	20.8	16.5	17.4	16.9	17.8	18.3
	6H	19.6	20.3	20.1	20.8	21.3	17.3	18.1	17.8	18.6	19.0
	8H	19.9	20.6	20.4	21.1	21.5	17.7	18.4	18.2	18.9	19.4
	12H	20.2	20.8	20.7	21.3	21.8	18.1	18.7	18.6	19.2	19.7
12H	4H	19.0	19.8	19.5	20.3	20.8	16.5	17.4	17.0	17.8	18.3
	6H	19.6	20.3	20.1	20.8	21.3	17.4	18.1	18.0	18.6	19.1
	8H	20.0	20.6	20.5	21.1	21.6	17.9	18.5	18.4	19.0	19.6















(END OF REPORT)