

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: P1526749

Luminaire Tested: 14CGTX-20HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526749
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

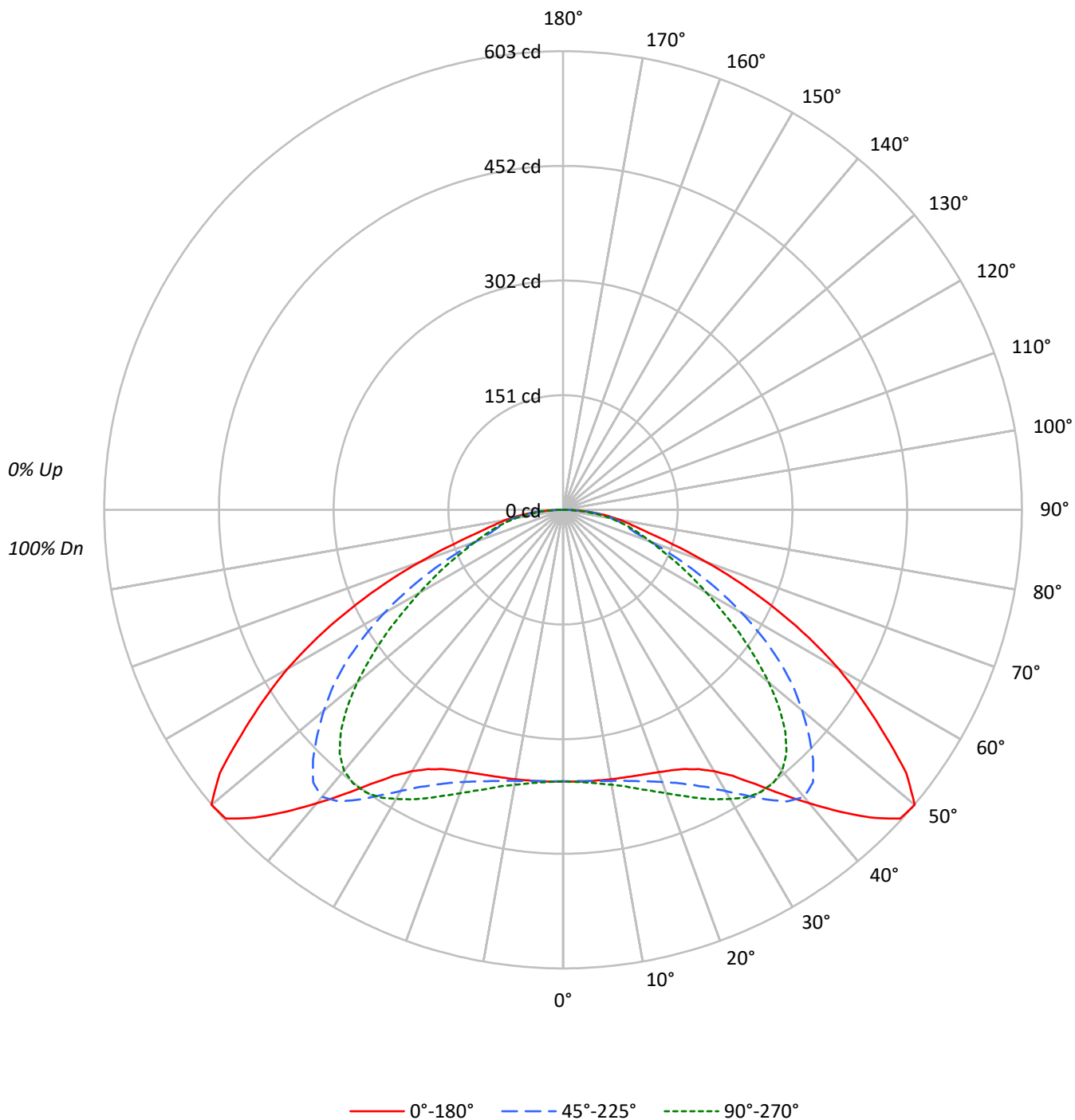
Lumens per Lamp: N/A
Luminaire Lumens: 1672.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1526749

CATALOG NUMBER: 14CGTX-20HE-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526749

CATALOG NUMBER: 14CGTX-20HE-A125-L935

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	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°	961	961	961
5°	968	967	972
10°	983	989	1003
15°	1009	1029	1058
20°	1051	1090	1135
25°	1117	1184	1241
30°	1232	1326	1364
35°	1444	1527	1488
40°	1768	1731	1573
45°	2178	1768	1572
50°	2526	1717	1477
55°	2423	1628	1329
60°	2251	1461	1170
65°	1961	1224	1048
70°	1568	962	962
75°	1203	912	955
80°	1181	1054	973
85°	1186	1167	951

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 2526 cd/sqm

TEST NUMBER: P1526749

CATALOG NUMBER: 14CGTX-20HE-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	2.1
10°-20°	105.4	6.3
20°-30°	185.5	11.1
30°-40°	287.3	17.2
40°-50°	366.0	21.9
50°-60°	333.0	19.9
60°-70°	216.0	12.9
70°-80°	105.1	6.3
80°-90°	39.3	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°	325.2	19.5
0°-40°	612.6	36.6
0°-60°	1311.7	78.4
0°-90°	1672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	357	357	357	357	357	
5°	358	359	358	358	360	34
15°	362	365	369	376	380	103
25°	376	384	399	413	418	175
35°	440	459	465	457	453	280
45°	572	537	465	424	413	440
55°	516	453	347	299	283	461
65°	308	273	192	167	165	305
75°	116	106	88	84	92	131
85°	38	42	38	34	31	42
90°	0	0	0	0	0	

TEST NUMBER: P1526749

CATALOG NUMBER: 14CGTX-20HE-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	357.0	357.0	357.0	357.0	357.0
2.5°	357.7	358.1	357.0	357.2	357.9
5°	358.3	358.7	357.9	358.5	359.8
7.5°	358.7	359.6	359.6	361.1	362.9
10°	359.8	360.7	361.8	364.8	367.0
12.5°	360.7	362.2	364.8	369.8	372.2
15°	362.2	364.6	369.2	376.1	379.6
17.5°	364.2	367.6	374.2	383.3	387.4
20°	367.0	371.6	380.7	391.5	396.5
22.5°	370.7	376.8	388.5	401.3	406.7
25°	376.1	383.9	398.7	412.8	418.0
27.5°	384.4	394.1	411.1	425.2	429.1
30°	396.5	408.7	426.9	436.7	438.9
32.5°	414.5	430.2	444.7	448.0	448.4
35°	439.7	458.8	464.7	457.1	453.0
37.5°	470.6	491.9	483.2	460.6	453.2
40°	503.4	520.7	492.7	457.8	447.8
42.5°	538.1	537.2	486.2	445.4	434.5
45°	572.2	537.0	464.7	424.1	413.2
47.5°	600.9	520.7	438.0	397.8	385.0
50°	603.3	499.5	410.2	365.9	352.9
52.5°	568.5	478.4	380.9	332.9	317.9
55°	516.4	453.0	347.0	299.0	283.2
57.5°	467.1	419.8	310.1	264.1	248.4
60°	418.2	377.0	271.4	230.2	217.4
62.5°	364.2	327.3	231.9	196.5	189.8
65°	307.9	272.7	192.2	166.6	164.6
67.5°	253.4	221.1	154.2	138.3	140.7
70°	199.3	174.6	122.3	118.6	122.3
72.5°	151.6	137.7	99.5	100.3	106.4
75°	115.7	106.0	87.7	83.6	91.9
77.5°	92.7	86.4	77.7	71.7	77.7
80°	76.2	74.7	68.0	60.8	62.8
82.5°	57.5	58.6	53.4	49.7	47.3
85°	38.4	41.9	37.8	34.5	30.8
87.5°	19.3	23.5	20.0	17.8	15.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526749

CATALOG NUMBER: 14CGTX-20HE-A125-L935

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	16.2	17.9	16.6	18.3	18.6	12.8	14.5	13.1	14.8	15.1
	3H	17.5	19.1	17.9	19.4	19.7	14.1	15.6	14.4	15.9	16.3
	4H	17.9	19.3	18.3	19.7	20.1	14.6	16.1	15.0	16.4	16.8
	6H	18.2	19.5	18.6	19.9	20.3	15.2	16.5	15.6	16.9	17.3
	8H	18.3	19.6	18.7	20.0	20.4	15.4	16.7	15.8	17.1	17.5
	12H	18.4	19.6	18.8	20.0	20.5	15.6	16.8	16.0	17.2	17.6
4H	2H	16.4	17.9	16.8	18.2	18.6	13.4	14.9	13.8	15.3	15.6
	3H	17.8	19.1	18.3	19.5	19.9	14.9	16.1	15.3	16.5	16.9
	4H	18.3	19.4	18.7	19.8	20.3	15.6	16.7	16.0	17.1	17.5
	6H	18.8	19.7	19.2	20.2	20.6	16.2	17.2	16.7	17.7	18.1
	8H	19.0	19.9	19.4	20.3	20.8	16.5	17.5	17.0	17.9	18.4
	12H	19.2	20.0	19.6	20.5	20.9	16.8	17.6	17.3	18.1	18.6
8H	4H	18.4	19.3	18.9	19.8	20.2	15.9	16.8	16.4	17.3	17.7
	6H	19.0	19.8	19.5	20.3	20.7	16.7	17.5	17.2	18.0	18.5
	8H	19.3	20.0	19.8	20.5	21.0	17.1	17.8	17.7	18.3	18.8
	12H	19.6	20.2	20.1	20.7	21.2	17.5	18.1	18.0	18.6	19.2
12H	4H	18.4	19.3	18.9	19.7	20.2	16.0	16.8	16.4	17.3	17.7
	6H	19.1	19.7	19.6	20.2	20.7	16.9	17.6	17.4	18.0	18.6
	8H	19.4	20.0	19.9	20.5	21.1	17.3	18.0	17.8	18.4	19.0















(END OF REPORT)