

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: P1526746

Luminaire Tested: 14CGTX-20HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526746
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

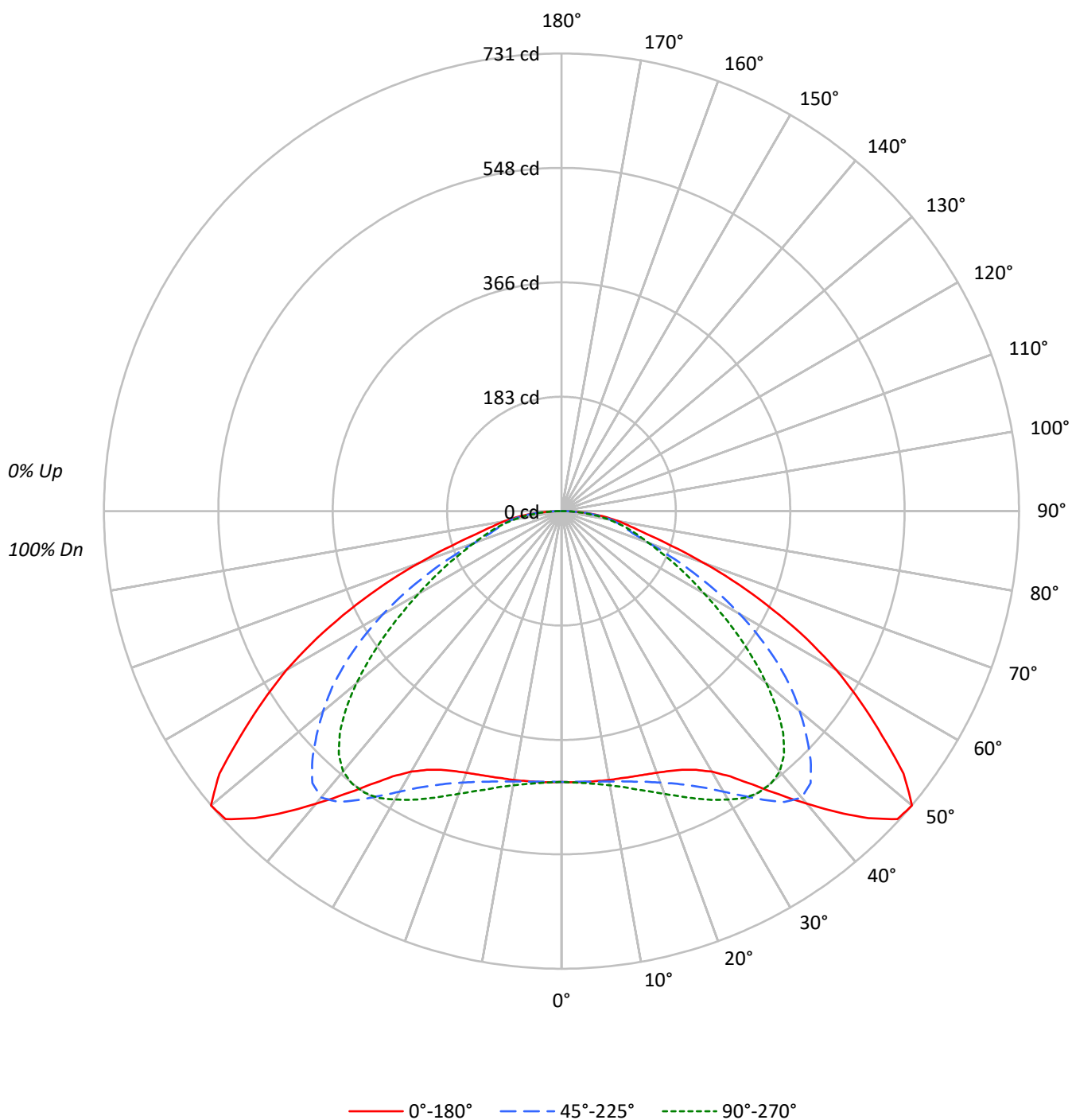
Lumens per Lamp: N/A
Luminaire Lumens: 2026.1 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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°	1164	1164	1164
5°	1173	1172	1178
10°	1191	1198	1215
15°	1223	1246	1282
20°	1273	1321	1376
25°	1353	1434	1504
30°	1493	1607	1652
35°	1751	1850	1803
40°	2143	2098	1906
45°	2639	2143	1906
50°	3060	2081	1790
55°	2936	1973	1610
60°	2728	1770	1418
65°	2376	1483	1270
70°	1901	1165	1165
75°	1459	1105	1157
80°	1432	1277	1178
85°	1439	1414	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	2.1
10°-20°	127.7	6.3
20°-30°	224.8	11.1
30°-40°	348.2	17.2
40°-50°	443.6	21.9
50°-60°	403.6	19.9
60°-70°	261.7	12.9
70°-80°	127.3	6.3
80°-90°	47.7	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°	394.1	19.5
0°-40°	742.3	36.6
0°-60°	1589.4	78.4
0°-90°	2026.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2026.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	433	433	433	433	433	
5°	434	435	434	434	436	41
15°	439	442	447	456	460	125
25°	456	465	483	500	506	213
35°	533	556	563	554	549	339
45°	693	651	563	514	501	533
55°	626	549	420	362	343	559
65°	373	330	233	202	200	369
75°	140	128	106	101	111	159
85°	47	51	46	42	37	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	432.6	432.6	432.6	432.6	432.6
2.5°	433.4	433.9	432.6	432.9	433.7
5°	434.2	434.7	433.7	434.4	436.0
7.5°	434.7	435.8	435.8	437.6	439.7
10°	436.0	437.1	438.4	442.1	444.7
12.5°	437.1	438.9	442.1	448.1	451.0
15°	438.9	441.8	447.3	455.8	460.0
17.5°	441.3	445.5	453.4	464.4	469.4
20°	444.7	450.2	461.3	474.4	480.5
22.5°	449.2	456.5	470.8	486.3	492.9
25°	455.8	465.2	483.1	500.2	506.5
27.5°	465.8	477.6	498.1	515.2	520.0
30°	480.5	495.2	517.3	529.2	531.8
32.5°	502.3	521.3	538.9	542.9	543.4
35°	532.9	556.0	563.1	553.9	548.9
37.5°	570.2	596.0	585.5	558.1	549.2
40°	610.0	631.0	597.1	554.7	542.6
42.5°	652.1	651.0	589.2	539.7	526.5
45°	693.4	650.7	563.1	513.9	500.8
47.5°	728.1	631.0	530.8	482.1	466.5
50°	731.0	605.2	497.1	443.4	427.6
52.5°	688.9	579.7	461.5	403.4	385.2
55°	625.7	548.9	420.5	362.3	343.1
57.5°	566.0	508.6	375.8	320.0	301.0
60°	506.8	456.8	328.9	278.9	263.4
62.5°	441.3	396.6	281.0	238.1	230.0
65°	373.1	330.5	232.9	201.8	199.5
67.5°	307.1	267.9	186.8	167.6	170.5
70°	241.6	211.6	148.1	143.7	148.1
72.5°	183.7	166.8	120.5	121.6	128.9
75°	140.3	128.4	106.3	101.3	111.3
77.5°	112.4	104.7	94.2	86.8	94.2
80°	92.4	90.5	82.4	73.7	76.0
82.5°	69.7	71.0	64.7	60.3	57.4
85°	46.6	50.8	45.8	41.8	37.4
87.5°	23.4	28.4	24.2	21.6	19.2
90°	0.0	0.0	0.0	0.0	0.0

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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	16.9	18.6	17.3	18.9	19.2	13.4	15.2	13.8	15.5	15.8
	3H	18.2	19.7	18.5	20.1	20.4	14.7	16.3	15.1	16.6	17.0
	4H	18.5	20.0	18.9	20.3	20.7	15.3	16.8	15.7	17.1	17.5
	6H	18.8	20.2	19.2	20.6	20.9	15.8	17.2	16.2	17.6	18.0
	8H	19.0	20.3	19.4	20.6	21.0	16.1	17.4	16.5	17.8	18.1
	12H	19.1	20.3	19.5	20.7	21.1	16.2	17.5	16.7	17.9	18.3
4H	2H	17.0	18.5	17.4	18.9	19.2	14.1	15.6	14.5	15.9	16.3
	3H	18.5	19.7	18.9	20.1	20.5	15.5	16.8	16.0	17.2	17.6
	4H	19.0	20.1	19.4	20.5	20.9	16.2	17.3	16.7	17.7	18.2
	6H	19.4	20.4	19.9	20.9	21.3	16.9	17.9	17.4	18.3	18.8
	8H	19.6	20.6	20.1	21.0	21.5	17.2	18.1	17.7	18.6	19.0
	12H	19.8	20.6	20.3	21.1	21.6	17.5	18.3	17.9	18.8	19.2
8H	4H	19.1	20.0	19.5	20.4	20.9	16.6	17.5	17.0	17.9	18.4
	6H	19.7	20.4	20.2	20.9	21.4	17.4	18.2	17.9	18.7	19.1
	8H	20.0	20.7	20.5	21.2	21.6	17.8	18.5	18.3	19.0	19.5
	12H	20.3	20.9	20.8	21.4	21.9	18.2	18.8	18.7	19.3	19.8
12H	4H	19.1	19.9	19.6	20.4	20.9	16.6	17.5	17.1	17.9	18.4
	6H	19.7	20.4	20.2	20.9	21.4	17.5	18.2	18.1	18.7	19.2
	8H	20.1	20.7	20.6	21.2	21.7	18.0	18.6	18.5	19.1	19.7















(END OF REPORT)