

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: P1526740

Luminaire Tested: 14CGTX-20-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526740
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-20-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

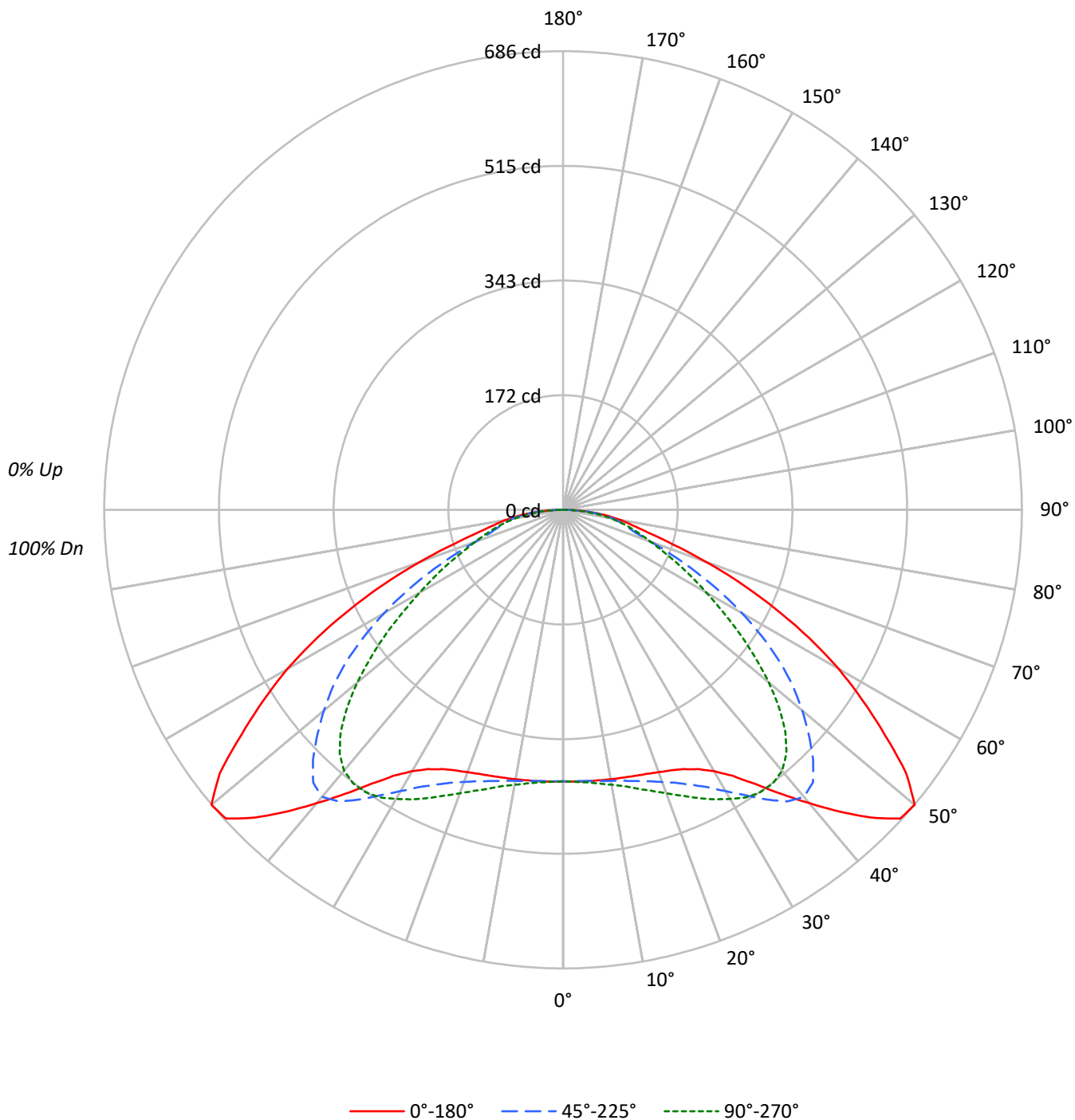
Lumens per Lamp: N/A
Luminaire Lumens: 1902.2 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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	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°	1093	1093	1093
5°	1101	1100	1106
10°	1118	1125	1141
15°	1148	1170	1203
20°	1196	1240	1292
25°	1271	1347	1412
30°	1402	1509	1551
35°	1643	1737	1693
40°	2011	1969	1789
45°	2477	2012	1789
50°	2873	1954	1680
55°	2756	1852	1511
60°	2561	1662	1331
65°	2230	1392	1193
70°	1784	1094	1094
75°	1369	1038	1087
80°	1344	1198	1106
85°	1349	1328	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2873 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	2.1
10°-20°	119.9	6.3
20°-30°	211.0	11.1
30°-40°	326.9	17.2
40°-50°	416.4	21.9
50°-60°	378.9	19.9
60°-70°	245.7	12.9
70°-80°	119.5	6.3
80°-90°	44.8	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°	370.0	19.5
0°-40°	696.9	36.6
0°-60°	1492.2	78.4
0°-90°	1902.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1902.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	406	406	406	406	406	
5°	408	408	407	408	409	39
15°	412	415	420	428	432	117
25°	428	437	454	470	476	200
35°	500	522	529	520	515	319
45°	651	611	529	482	470	500
55°	588	515	395	340	322	524
65°	350	310	219	190	187	347
75°	132	121	100	95	104	149
85°	44	48	43	39	35	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	406.1	406.1	406.1	406.1	406.1
2.5°	406.9	407.4	406.1	406.4	407.1
5°	407.6	408.1	407.1	407.9	409.3
7.5°	408.1	409.1	409.1	410.8	412.8
10°	409.3	410.3	411.6	415.0	417.5
12.5°	410.3	412.1	415.0	420.7	423.4
15°	412.1	414.8	420.0	427.9	431.8
17.5°	414.3	418.2	425.6	436.0	440.7
20°	417.5	422.7	433.1	445.4	451.1
22.5°	421.7	428.6	441.9	456.5	462.7
25°	427.9	436.8	453.6	469.6	475.5
27.5°	437.3	448.4	467.6	483.7	488.1
30°	451.1	464.9	485.7	496.8	499.3
32.5°	471.6	489.4	505.9	509.6	510.1
35°	500.2	522.0	528.7	520.0	515.3
37.5°	535.3	559.5	549.7	524.0	515.6
40°	572.6	592.4	560.5	520.8	509.4
42.5°	612.2	611.2	553.1	506.7	494.3
45°	650.9	610.9	528.7	482.5	470.1
47.5°	683.6	592.4	498.3	452.6	438.0
50°	686.3	568.2	466.7	416.3	401.4
52.5°	646.7	544.2	433.3	378.7	361.7
55°	587.5	515.3	394.8	340.2	322.1
57.5°	531.4	477.5	352.8	300.4	282.6
60°	475.8	428.9	308.8	261.9	247.3
62.5°	414.3	372.3	263.8	223.6	215.9
65°	350.3	310.3	218.6	189.5	187.3
67.5°	288.3	251.5	175.4	157.4	160.1
70°	226.8	198.6	139.1	134.9	139.1
72.5°	172.4	156.6	113.1	114.1	121.0
75°	131.7	120.6	99.8	95.1	104.5
77.5°	105.5	98.3	88.4	81.5	88.4
80°	86.7	85.0	77.3	69.2	71.4
82.5°	65.5	66.7	60.8	56.6	53.9
85°	43.7	47.7	43.0	39.3	35.1
87.5°	22.0	26.7	22.7	20.3	18.0
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	16.7	18.4	17.0	18.7	19.0	13.2	14.9	13.6	15.3	15.6
	3H	17.9	19.5	18.3	19.8	20.2	14.5	16.1	14.9	16.4	16.7
	4H	18.3	19.8	18.7	20.1	20.5	15.1	16.5	15.5	16.9	17.3
	6H	18.6	20.0	19.0	20.3	20.7	15.6	17.0	16.0	17.3	17.7
	8H	18.7	20.0	19.2	20.4	20.8	15.8	17.1	16.3	17.5	17.9
	12H	18.8	20.1	19.3	20.5	20.9	16.0	17.3	16.4	17.6	18.1
4H	2H	16.8	18.3	17.2	18.6	19.0	13.9	15.4	14.3	15.7	16.1
	3H	18.3	19.5	18.7	19.9	20.3	15.3	16.6	15.7	17.0	17.4
	4H	18.8	19.9	19.2	20.3	20.7	16.0	17.1	16.4	17.5	18.0
	6H	19.2	20.2	19.7	20.6	21.1	16.7	17.7	17.1	18.1	18.6
	8H	19.4	20.3	19.9	20.8	21.2	17.0	17.9	17.4	18.3	18.8
	12H	19.6	20.4	20.1	20.9	21.4	17.2	18.1	17.7	18.5	19.0
8H	4H	18.9	19.8	19.3	20.2	20.7	16.3	17.3	16.8	17.7	18.2
	6H	19.5	20.2	19.9	20.7	21.2	17.2	18.0	17.7	18.4	18.9
	8H	19.7	20.4	20.3	20.9	21.4	17.6	18.3	18.1	18.8	19.3
	12H	20.0	20.6	20.5	21.1	21.7	18.0	18.6	18.5	19.1	19.6
12H	4H	18.9	19.7	19.4	20.2	20.7	16.4	17.2	16.9	17.7	18.2
	6H	19.5	20.2	20.0	20.7	21.2	17.3	18.0	17.8	18.5	19.0
	8H	19.8	20.5	20.4	20.9	21.5	17.8	18.4	18.3	18.9	19.4













(END OF REPORT)