

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: P1526742

Luminaire Tested: 14CGTX-20-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526742
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

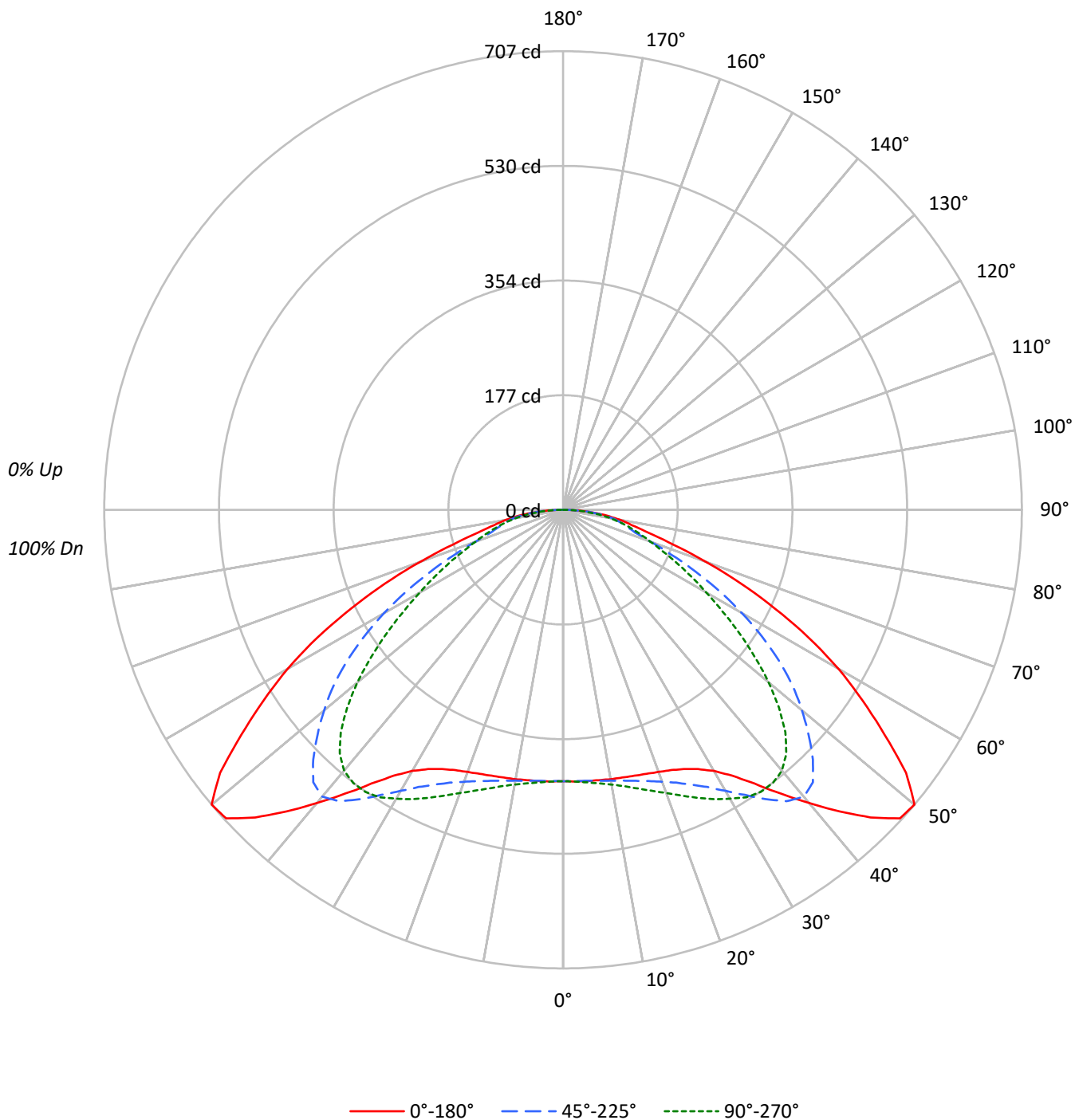
Lumens per Lamp: N/A
Luminaire Lumens: 1959.2 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1126	1126	1126
5°	1134	1133	1139
10°	1152	1158	1175
15°	1182	1205	1239
20°	1231	1277	1330
25°	1309	1387	1454
30°	1444	1554	1598
35°	1693	1789	1744
40°	2072	2028	1843
45°	2552	2072	1843
50°	2959	2012	1731
55°	2839	1908	1557
60°	2638	1712	1371
65°	2297	1434	1228
70°	1838	1127	1127
75°	1410	1069	1119
80°	1384	1234	1139
85°	1389	1368	1115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	2.1
10°-20°	123.5	6.3
20°-30°	217.3	11.1
30°-40°	336.7	17.2
40°-50°	428.9	21.9
50°-60°	390.2	19.9
60°-70°	253.1	12.9
70°-80°	123.1	6.3
80°-90°	46.1	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°	381.1	19.5
0°-40°	717.8	36.6
0°-60°	1536.9	78.4
0°-90°	1959.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	418	418	418	418	418	
5°	420	420	419	420	422	40
15°	424	427	433	441	445	121
25°	441	450	467	484	490	206
35°	515	538	544	536	531	328
45°	670	629	544	497	484	515
55°	605	531	407	350	332	540
65°	361	320	225	195	193	357
75°	136	124	103	98	108	154
85°	45	49	44	40	36	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	418.3	418.3	418.3	418.3	418.3
2.5°	419.1	419.6	418.3	418.6	419.3
5°	419.8	420.3	419.3	420.1	421.6
7.5°	420.3	421.4	421.4	423.1	425.2
10°	421.6	422.6	423.9	427.5	430.0
12.5°	422.6	424.4	427.5	433.3	436.1
15°	424.4	427.2	432.6	440.7	444.8
17.5°	426.7	430.8	438.4	449.1	453.9
20°	430.0	435.4	446.0	458.8	464.6
22.5°	434.3	441.5	455.2	470.2	476.6
25°	440.7	449.9	467.2	483.7	489.8
27.5°	450.4	461.8	481.7	498.2	502.8
30°	464.6	478.9	500.2	511.7	514.2
32.5°	485.7	504.1	521.1	524.9	525.4
35°	515.3	537.6	544.5	535.6	530.8
37.5°	551.4	576.3	566.1	539.7	531.0
40°	589.8	610.2	577.3	536.4	524.7
42.5°	630.5	629.5	569.7	521.9	509.2
45°	670.5	629.2	544.5	496.9	484.2
47.5°	704.1	610.2	513.2	466.1	451.1
50°	706.9	585.2	480.7	428.7	413.5
52.5°	666.1	560.5	446.3	390.1	372.5
55°	605.1	530.8	406.6	350.4	331.8
57.5°	547.3	491.8	363.4	309.4	291.1
60°	490.1	441.7	318.1	269.7	254.7
62.5°	426.7	383.5	271.8	230.3	222.4
65°	360.8	319.6	225.2	195.2	192.9
67.5°	296.9	259.0	180.7	162.1	164.9
70°	233.6	204.6	143.3	138.9	143.3
72.5°	177.6	161.3	116.5	117.6	124.7
75°	135.6	124.2	102.8	98.0	107.6
77.5°	108.6	101.3	91.1	84.0	91.1
80°	89.3	87.5	79.6	71.2	73.5
82.5°	67.4	68.7	62.6	58.3	55.5
85°	45.0	49.1	44.3	40.5	36.1
87.5°	22.6	27.5	23.4	20.9	18.6
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	16.8	18.5	17.1	18.8	19.1	13.3	15.0	13.7	15.4	15.7
	3H	18.1	19.6	18.4	19.9	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	16.6	15.6	17.0	17.4
	6H	18.7	20.1	19.1	20.4	20.8	15.7	17.1	16.1	17.4	17.8
	8H	18.8	20.1	19.3	20.5	20.9	15.9	17.2	16.4	17.6	18.0
	12H	18.9	20.2	19.4	20.6	21.0	16.1	17.4	16.5	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	15.8	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	20.7	21.2	16.8	17.8	17.2	18.2	18.7
	8H	19.5	20.4	20.0	20.9	21.3	17.1	18.0	17.5	18.4	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	16.4	17.4	16.9	17.8	18.3
	6H	19.6	20.3	20.0	20.8	21.3	17.3	18.1	17.8	18.5	19.0
	8H	19.9	20.5	20.4	21.0	21.5	17.7	18.4	18.2	18.9	19.4
	12H	20.1	20.8	20.6	21.2	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	17.3	17.0	17.8	18.3
	6H	19.6	20.3	20.1	20.8	21.3	17.4	18.1	17.9	18.6	19.1
	8H	19.9	20.6	20.5	21.1	21.6	17.9	18.5	18.4	19.0	19.6















(END OF REPORT)