

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: P1526790

Luminaire Tested: 22CGTX-20-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-20-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

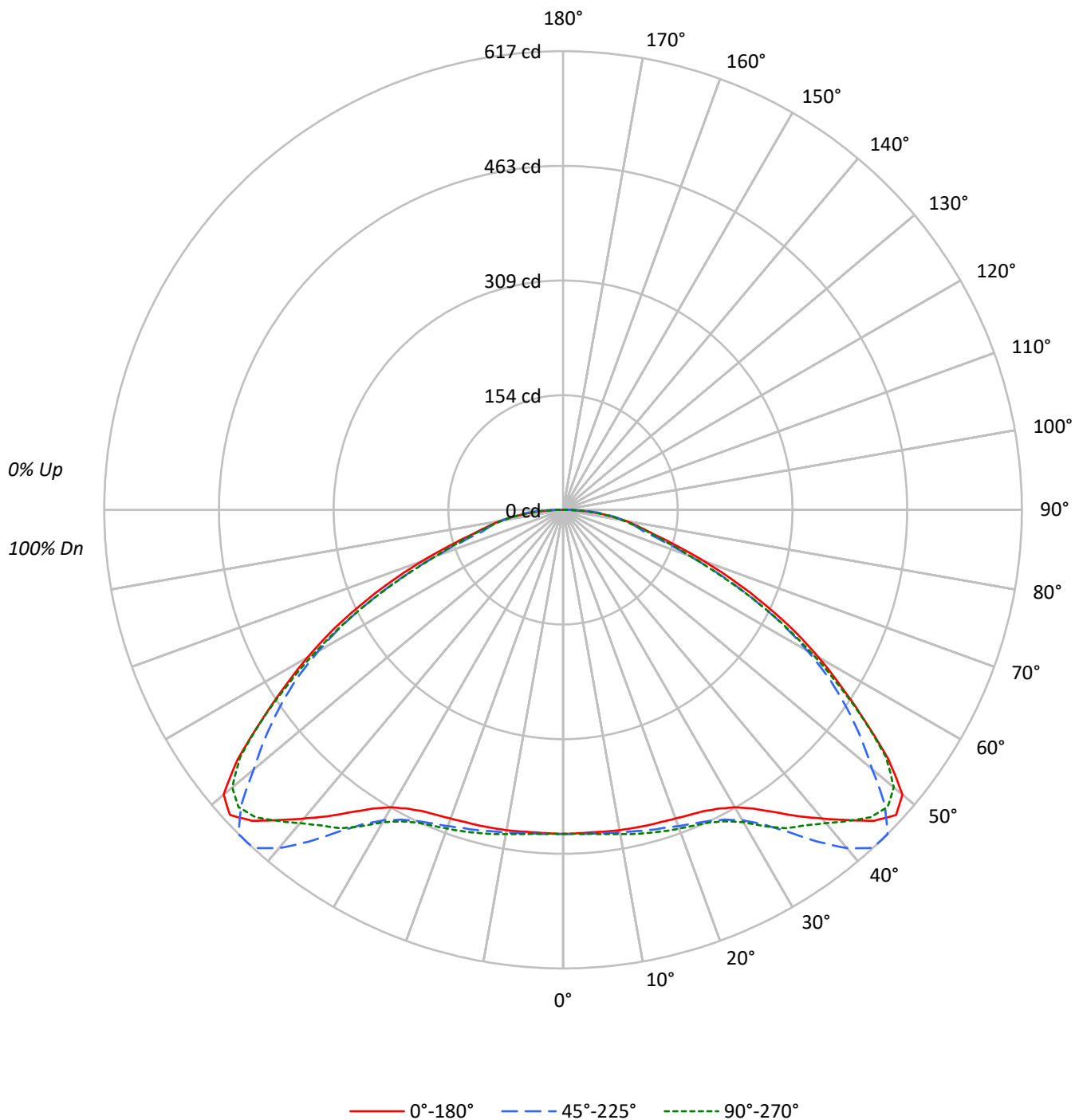
Lumens per Lamp: N/A
Luminaire Lumens: 2063.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1173	1173	1173
5°	1177	1181	1182
10°	1196	1204	1210
15°	1224	1243	1254
20°	1265	1297	1307
25°	1328	1372	1378
30°	1436	1498	1507
35°	1631	1738	1718
40°	1904	2087	1933
45°	2251	2349	2226
50°	2494	2272	2431
55°	2325	2188	2323
60°	2135	2042	2080
65°	1888	1782	1779
70°	1582	1426	1429
75°	1301	1167	1260
80°	1322	1316	1261
85°	1300	1565	1325

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2494 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	2.0
10°-20°	126.4	6.1
20°-30°	213.8	10.4
30°-40°	328.7	15.9
40°-50°	456.8	22.1
50°-60°	430.0	20.8
60°-70°	284.0	13.8
70°-80°	132.0	6.4
80°-90°	49.4	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°	382.1	18.5
0°-40°	710.8	34.5
0°-60°	1597.6	77.4
0°-90°	2063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	436	437	437	438	438	42
15°	440	442	446	449	450	125
25°	447	453	462	465	464	208
35°	496	514	529	527	523	314
45°	592	612	617	602	585	453
55°	496	489	466	482	495	444
65°	296	294	280	284	279	294
75°	125	120	112	116	121	140
85°	42	48	51	49	43	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	436.0	436.0	436.0	436.0	436.0
2.5°	435.6	436.4	436.8	437.2	436.0
5°	435.6	436.8	437.2	438.0	437.6
7.5°	436.4	437.6	438.7	439.5	439.9
10°	437.6	438.7	440.7	443.0	443.0
12.5°	438.4	440.3	443.0	446.1	446.5
15°	439.5	441.5	446.1	449.3	450.0
17.5°	440.3	443.4	448.9	452.8	453.2
20°	441.9	445.4	452.8	456.3	456.3
22.5°	444.2	448.9	456.7	459.8	459.8
25°	447.3	453.2	462.1	464.8	464.1
27.5°	453.2	460.2	469.9	473.0	472.3
30°	462.1	471.5	482.0	485.9	485.1
32.5°	476.5	488.2	501.5	505.0	504.6
35°	496.4	513.9	529.1	527.2	522.9
37.5°	519.4	545.5	562.7	544.3	535.0
40°	542.0	577.5	594.2	564.6	550.2
42.5°	566.2	602.4	616.8	588.0	567.7
45°	591.5	612.5	617.2	602.4	584.9
47.5°	607.5	596.6	586.4	595.4	591.9
50°	595.8	559.1	542.8	559.9	580.6
52.5°	551.4	524.5	505.4	521.3	547.5
55°	495.6	488.6	466.4	482.4	495.2
57.5°	444.6	450.0	425.9	438.0	439.9
60°	396.7	400.6	379.5	389.6	386.5
62.5°	348.0	348.3	332.0	337.8	333.1
65°	296.5	293.8	279.8	284.1	279.4
67.5°	248.2	242.0	228.7	230.7	226.4
70°	201.1	193.7	181.2	183.9	181.6
72.5°	159.0	153.1	142.2	145.7	148.1
75°	125.1	120.4	112.2	115.7	121.2
77.5°	103.6	97.8	98.6	96.2	100.1
80°	85.3	81.8	84.9	82.6	81.4
82.5°	63.5	67.0	68.2	69.4	63.5
85°	42.1	48.3	50.7	49.1	42.9
87.5°	20.7	26.1	26.9	26.5	22.2
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	15.8	17.5	16.1	17.8	18.2	15.6	17.4	16.0	17.7	18.0
	3H	17.1	18.6	17.4	19.0	19.3	16.8	18.4	17.2	18.7	19.0
	4H	17.4	18.9	17.8	19.3	19.7	17.2	18.7	17.6	19.0	19.4
	6H	17.8	19.2	18.2	19.5	19.9	17.5	18.9	17.9	19.3	19.7
	8H	17.9	19.3	18.4	19.7	20.0	17.7	19.0	18.1	19.4	19.8
	12H	18.1	19.3	18.5	19.7	20.1	17.8	19.1	18.2	19.5	19.9
4H	2H	16.2	17.7	16.6	18.1	18.4	16.1	17.6	16.5	17.9	18.3
	3H	17.7	18.9	18.1	19.3	19.7	17.4	18.7	17.8	19.1	19.5
	4H	18.2	19.3	18.6	19.7	20.1	17.9	19.1	18.3	19.5	19.9
	6H	18.6	19.6	19.1	20.1	20.5	18.4	19.4	18.9	19.8	20.3
	8H	18.9	19.8	19.3	20.2	20.7	18.6	19.6	19.1	20.0	20.5
	12H	19.0	19.9	19.5	20.4	20.8	18.8	19.7	19.3	20.2	20.6
8H	4H	18.4	19.3	18.8	19.7	20.2	18.1	19.1	18.6	19.5	20.0
	6H	19.0	19.7	19.4	20.2	20.7	18.8	19.5	19.2	20.0	20.5
	8H	19.3	20.0	19.8	20.5	21.0	19.1	19.8	19.6	20.3	20.8
	12H	19.6	20.2	20.1	20.7	21.2	19.4	20.0	19.9	20.5	21.1
12H	4H	18.4	19.2	18.9	19.7	20.2	18.2	19.0	18.6	19.5	19.9
	6H	19.0	19.7	19.6	20.2	20.7	18.8	19.5	19.4	20.0	20.5
	8H	19.4	20.0	19.9	20.5	21.1	19.2	19.9	19.7	20.3	20.9















(END OF REPORT)