

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: P1526788

Luminaire Tested: 22CGTX-20-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526788
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

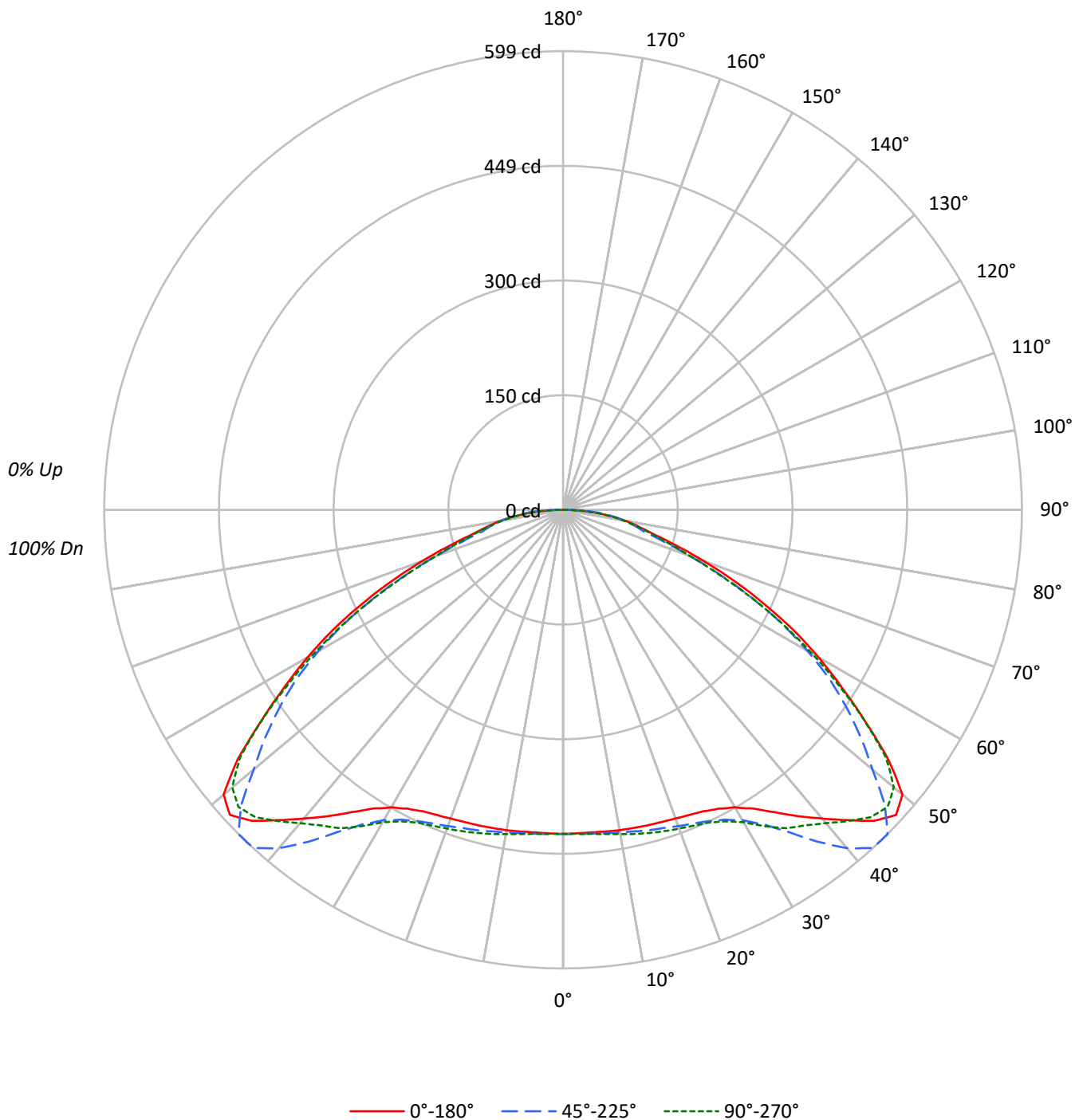
Lumens per Lamp: N/A
Luminaire Lumens: 2002.9 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526788

CATALOG NUMBER: 22CGTX-20-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526788

CATALOG NUMBER: 22CGTX-20-A125-L830

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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1139	1139	1139
5°	1142	1147	1147
10°	1161	1169	1175
15°	1189	1207	1217
20°	1229	1259	1269
25°	1290	1332	1338
30°	1394	1454	1464
35°	1583	1688	1668
40°	1848	2027	1877
45°	2186	2280	2161
50°	2421	2206	2360
55°	2258	2124	2256
60°	2073	1983	2020
65°	1833	1729	1727
70°	1536	1384	1387
75°	1262	1132	1224
80°	1283	1278	1226
85°	1263	1519	1284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2421 cd/sqm

TEST NUMBER: P1526788

CATALOG NUMBER: 22CGTX-20-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	2.0
10°-20°	122.8	6.1
20°-30°	207.5	10.4
30°-40°	319.1	15.9
40°-50°	443.5	22.1
50°-60°	417.5	20.8
60°-70°	275.7	13.8
70°-80°	128.1	6.4
80°-90°	48.0	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°	370.9	18.5
0°-40°	690.1	34.5
0°-60°	1551.1	77.4
0°-90°	2002.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	423	423	423	423	423	
5°	423	424	424	425	425	40
15°	427	429	433	436	437	121
25°	434	440	449	451	451	202
35°	482	499	514	512	508	305
45°	574	595	599	585	568	439
55°	481	474	453	468	481	431
65°	288	285	272	276	271	286
75°	121	117	109	112	118	136
85°	41	47	49	48	42	45
90°	0	0	0	0	0	

TEST NUMBER: P1526788

CATALOG NUMBER: 22CGTX-20-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	423.3	423.3	423.3	423.3	423.3
2.5°	422.9	423.7	424.1	424.5	423.3
5°	422.9	424.1	424.5	425.2	424.8
7.5°	423.7	424.8	426.0	426.7	427.1
10°	424.8	426.0	427.9	430.1	430.1
12.5°	425.6	427.5	430.1	433.2	433.5
15°	426.7	428.6	433.2	436.2	436.9
17.5°	427.5	430.5	435.8	439.6	440.0
20°	429.0	432.4	439.6	443.0	443.0
22.5°	431.3	435.8	443.4	446.4	446.4
25°	434.3	440.0	448.7	451.3	450.6
27.5°	440.0	446.8	456.2	459.3	458.5
30°	448.7	457.7	468.0	471.7	471.0
32.5°	462.7	474.0	486.9	490.3	489.9
35°	482.0	499.0	513.7	511.8	507.7
37.5°	504.3	529.6	546.3	528.5	519.4
40°	526.2	560.6	576.9	548.2	534.2
42.5°	549.7	584.8	598.8	570.9	551.2
45°	574.3	594.7	599.2	584.8	567.8
47.5°	589.8	579.2	569.3	578.0	574.6
50°	578.4	542.9	527.0	543.6	563.7
52.5°	535.3	509.2	490.7	506.2	531.5
55°	481.2	474.4	452.8	468.3	480.8
57.5°	431.6	436.9	413.5	425.2	427.1
60°	385.1	388.9	368.5	378.3	375.3
62.5°	337.8	338.2	322.3	328.0	323.4
65°	287.9	285.2	271.6	275.8	271.2
67.5°	241.0	234.9	222.1	224.0	219.8
70°	195.2	188.0	175.9	178.6	176.3
72.5°	154.3	148.7	138.1	141.5	143.8
75°	121.4	116.9	108.9	112.4	117.7
77.5°	100.6	95.0	95.7	93.4	97.2
80°	82.8	79.4	82.5	80.2	79.1
82.5°	61.7	65.1	66.2	67.3	61.7
85°	40.9	46.9	49.2	47.7	41.6
87.5°	20.0	25.3	26.1	25.7	21.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526788

CATALOG NUMBER: 22CGTX-20-A125-L830

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	15.7	17.4	16.0	17.7	18.1	15.5	17.3	15.9	17.6	17.9
	3H	16.9	18.5	17.3	18.9	19.2	16.7	18.3	17.0	18.6	18.9
	4H	17.3	18.8	17.7	19.2	19.6	17.1	18.6	17.5	18.9	19.3
	6H	17.7	19.1	18.1	19.4	19.8	17.4	18.8	17.8	19.2	19.6
	8H	17.8	19.2	18.3	19.5	19.9	17.6	18.9	18.0	19.3	19.7
	12H	18.0	19.2	18.4	19.6	20.0	17.7	19.0	18.1	19.4	19.8
4H	2H	16.1	17.6	16.5	18.0	18.3	16.0	17.5	16.4	17.8	18.2
	3H	17.6	18.8	18.0	19.2	19.6	17.3	18.6	17.7	19.0	19.4
	4H	18.1	19.2	18.5	19.6	20.0	17.8	18.9	18.2	19.4	19.8
	6H	18.5	19.5	19.0	20.0	20.4	18.3	19.3	18.8	19.7	20.2
	8H	18.8	19.7	19.2	20.1	20.6	18.5	19.5	19.0	19.9	20.4
	12H	18.9	19.8	19.4	20.3	20.7	18.7	19.6	19.2	20.1	20.5
8H	4H	18.2	19.2	18.7	19.6	20.1	18.0	19.0	18.5	19.4	19.9
	6H	18.9	19.6	19.3	20.1	20.6	18.7	19.4	19.1	19.9	20.4
	8H	19.2	19.9	19.7	20.4	20.9	19.0	19.7	19.5	20.2	20.7
	12H	19.5	20.1	20.0	20.6	21.1	19.3	19.9	19.8	20.4	21.0
12H	4H	18.3	19.1	18.8	19.6	20.1	18.1	18.9	18.5	19.4	19.8
	6H	18.9	19.6	19.4	20.1	20.6	18.7	19.4	19.3	19.9	20.4
	8H	19.3	19.9	19.8	20.4	21.0	19.1	19.8	19.6	20.2	20.8











(END OF REPORT)