

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: P1526789

Luminaire Tested: 22CGTX-20-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526789
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

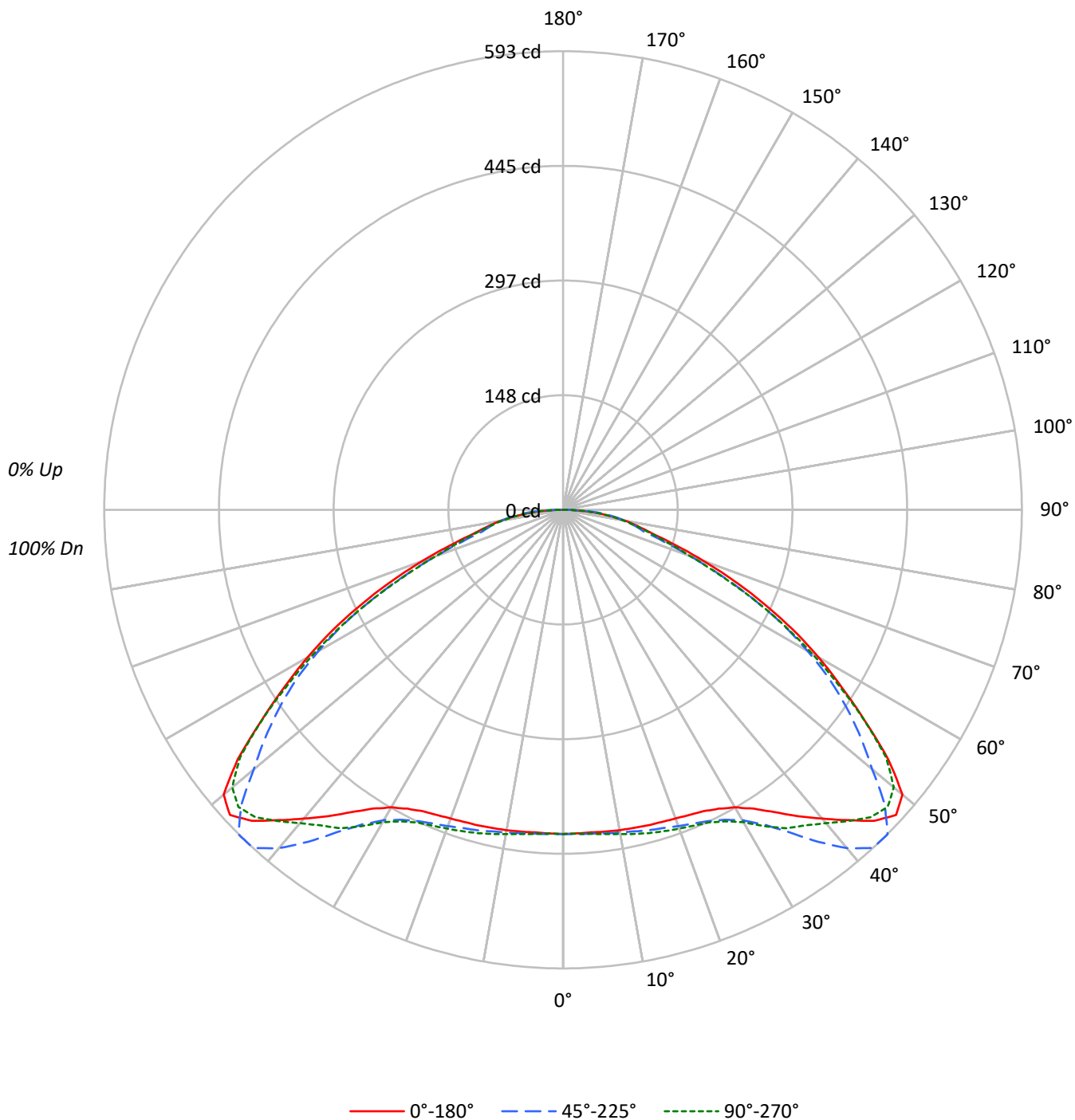
Lumens per Lamp: N/A
Luminaire Lumens: 1982.8 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			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°	1128	1128	1128
5°	1131	1135	1136
10°	1149	1157	1163
15°	1177	1195	1205
20°	1216	1246	1256
25°	1276	1319	1324
30°	1380	1440	1449
35°	1567	1671	1651
40°	1830	2006	1858
45°	2163	2257	2139
50°	2397	2184	2336
55°	2235	2103	2233
60°	2052	1963	1999
65°	1815	1712	1710
70°	1520	1370	1373
75°	1250	1122	1211
80°	1271	1265	1213
85°	1247	1504	1272

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2397 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	2.0
10°-20°	121.5	6.1
20°-30°	205.5	10.4
30°-40°	315.9	15.9
40°-50°	439.1	22.1
50°-60°	413.3	20.8
60°-70°	273.0	13.8
70°-80°	126.8	6.4
80°-90°	47.5	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°	367.2	18.5
0°-40°	683.1	34.5
0°-60°	1535.5	77.4
0°-90°	1982.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1982.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	419	420	420	421	421	40
15°	422	424	429	432	433	120
25°	430	436	444	447	446	200
35°	477	494	509	507	503	302
45°	568	589	593	579	562	435
55°	476	470	448	464	476	427
65°	285	282	269	273	268	283
75°	120	116	108	111	116	135
85°	40	46	49	47	41	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.1	419.1	419.1	419.1	419.1
2.5°	418.7	419.5	419.8	420.2	419.1
5°	418.7	419.8	420.2	421.0	420.6
7.5°	419.5	420.6	421.7	422.5	422.8
10°	420.6	421.7	423.6	425.8	425.8
12.5°	421.3	423.2	425.8	428.8	429.2
15°	422.5	424.3	428.8	431.8	432.6
17.5°	423.2	426.2	431.4	435.2	435.6
20°	424.7	428.1	435.2	438.6	438.6
22.5°	426.9	431.4	438.9	441.9	441.9
25°	429.9	435.6	444.2	446.8	446.0
27.5°	435.6	442.3	451.7	454.7	453.9
30°	444.2	453.2	463.3	467.0	466.3
32.5°	458.0	469.3	482.0	485.4	485.0
35°	477.1	494.0	508.6	506.7	502.6
37.5°	499.2	524.3	540.8	523.2	514.2
40°	521.0	555.0	571.1	542.7	528.8
42.5°	544.2	579.0	592.9	565.1	545.7
45°	568.5	588.7	593.2	579.0	562.1
47.5°	583.9	573.4	563.6	572.3	568.9
50°	572.6	537.4	521.7	538.2	558.0
52.5°	529.9	504.1	485.7	501.1	526.2
55°	476.4	469.6	448.3	463.7	476.0
57.5°	427.3	432.6	409.3	421.0	422.8
60°	381.3	385.0	364.8	374.5	371.5
62.5°	334.4	334.8	319.1	324.7	320.2
65°	285.0	282.4	268.9	273.0	268.5
67.5°	238.6	232.6	219.8	221.7	217.6
70°	193.2	186.1	174.1	176.8	174.5
72.5°	152.8	147.2	136.7	140.1	142.3
75°	120.2	115.7	107.9	111.2	116.5
77.5°	99.6	94.0	94.8	92.5	96.3
80°	82.0	78.6	81.6	79.4	78.3
82.5°	61.0	64.4	65.5	66.7	61.0
85°	40.4	46.4	48.7	47.2	41.2
87.5°	19.8	25.1	25.8	25.5	21.3
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	15.6	17.4	16.0	17.7	18.0	15.5	17.2	15.8	17.5	17.9
	3H	16.9	18.5	17.3	18.8	19.2	16.6	18.2	17.0	18.6	18.9
	4H	17.3	18.8	17.7	19.1	19.5	17.0	18.5	17.4	18.9	19.2
	6H	17.7	19.0	18.1	19.4	19.8	17.4	18.8	17.8	19.1	19.5
	8H	17.8	19.1	18.2	19.5	19.9	17.5	18.9	18.0	19.3	19.7
	12H	17.9	19.2	18.3	19.6	20.0	17.7	18.9	18.1	19.3	19.8
4H	2H	16.1	17.6	16.5	17.9	18.3	15.9	17.4	16.3	17.8	18.2
	3H	17.5	18.8	17.9	19.2	19.6	17.3	18.5	17.7	18.9	19.3
	4H	18.0	19.2	18.5	19.6	20.0	17.8	18.9	18.2	19.3	19.8
	6H	18.5	19.5	19.0	19.9	20.4	18.3	19.3	18.7	19.7	20.2
	8H	18.7	19.7	19.2	20.1	20.6	18.5	19.4	19.0	19.9	20.3
	12H	18.9	19.7	19.4	20.2	20.7	18.7	19.5	19.2	20.0	20.5
8H	4H	18.2	19.1	18.7	19.6	20.0	18.0	18.9	18.4	19.4	19.8
	6H	18.8	19.6	19.3	20.1	20.6	18.6	19.4	19.1	19.9	20.4
	8H	19.1	19.8	19.6	20.3	20.8	19.0	19.7	19.5	20.2	20.6
	12H	19.4	20.1	19.9	20.5	21.1	19.3	19.9	19.8	20.4	20.9
12H	4H	18.2	19.1	18.7	19.6	20.0	18.0	18.9	18.5	19.3	19.8
	6H	18.9	19.6	19.4	20.1	20.6	18.7	19.4	19.2	19.9	20.4
	8H	19.3	19.9	19.8	20.4	20.9	19.1	19.7	19.6	20.2	20.8











(END OF REPORT)