

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: P1526794

Luminaire Tested: 22CGTX-20HE-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526794
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-20HE-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

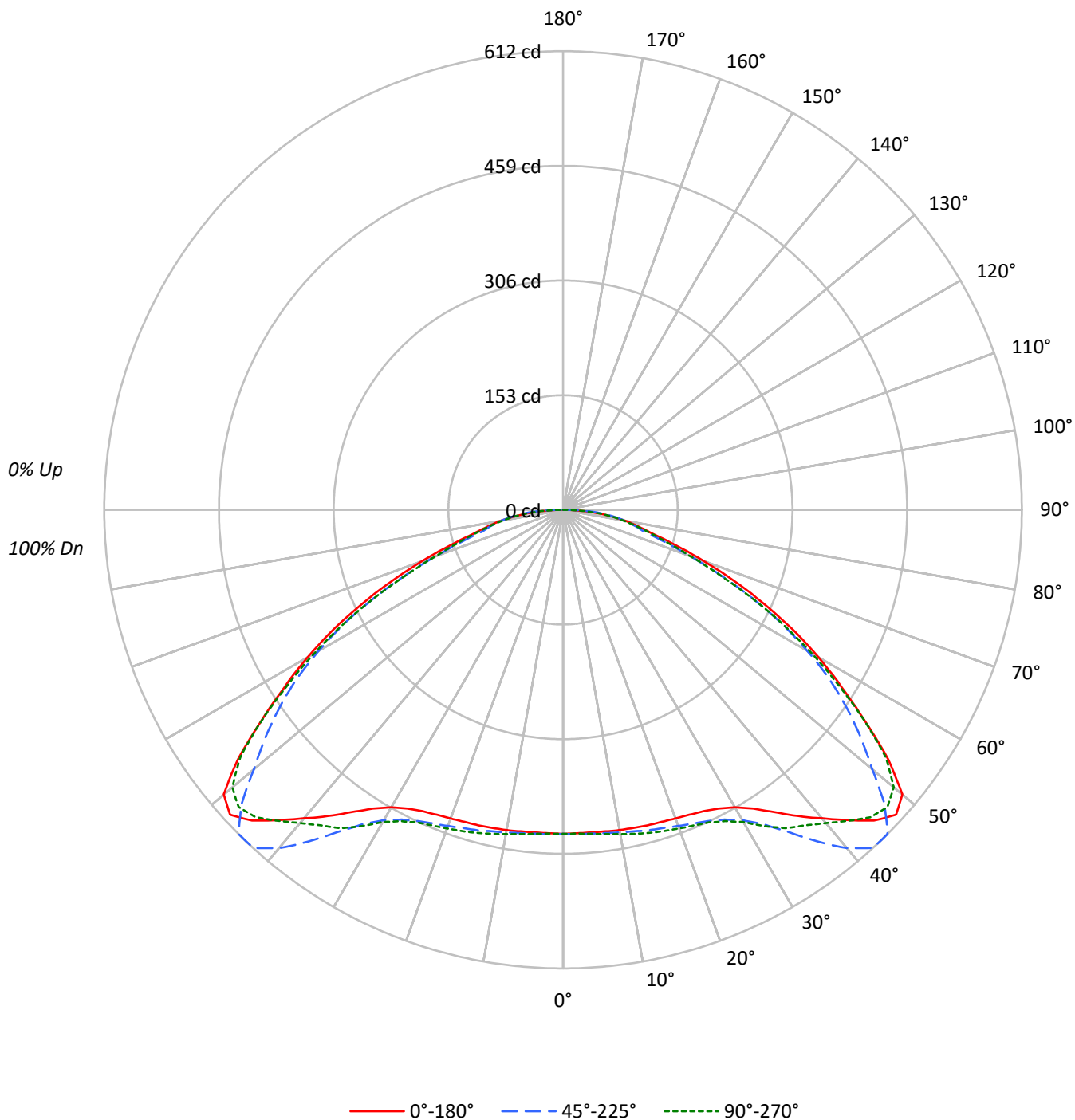
Lumens per Lamp: N/A
Luminaire Lumens: 2045.9 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
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	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°	1164	1164	1164
5°	1167	1171	1172
10°	1186	1194	1201
15°	1214	1233	1243
20°	1255	1286	1296
25°	1317	1361	1366
30°	1424	1485	1495
35°	1617	1724	1704
40°	1888	2070	1917
45°	2232	2329	2207
50°	2473	2254	2411
55°	2306	2170	2305
60°	2117	2026	2063
65°	1873	1767	1764
70°	1569	1414	1417
75°	1289	1157	1250
80°	1311	1305	1252
85°	1288	1550	1312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	2.0
10°-20°	125.4	6.1
20°-30°	212.0	10.4
30°-40°	326.0	15.9
40°-50°	453.0	22.1
50°-60°	426.5	20.8
60°-70°	281.7	13.8
70°-80°	130.9	6.4
80°-90°	49.0	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°	378.9	18.5
0°-40°	704.9	34.5
0°-60°	1584.4	77.4
0°-90°	2045.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2045.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	432	433	434	434	434	41
15°	436	438	442	446	446	124
25°	444	449	458	461	460	206
35°	492	510	525	523	519	312
45°	587	608	612	597	580	449
55°	492	485	463	478	491	440
65°	294	291	278	282	277	292
75°	124	119	111	115	120	139
85°	42	48	50	49	42	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	432.4	432.4	432.4	432.4	432.4
2.5°	432.0	432.8	433.2	433.6	432.4
5°	432.0	433.2	433.6	434.3	434.0
7.5°	432.8	434.0	435.1	435.9	436.3
10°	434.0	435.1	437.1	439.4	439.4
12.5°	434.7	436.7	439.4	442.5	442.8
15°	435.9	437.8	442.5	445.6	446.3
17.5°	436.7	439.8	445.2	449.0	449.4
20°	438.2	441.7	449.0	452.5	452.5
22.5°	440.5	445.2	452.9	456.0	456.0
25°	443.6	449.4	458.3	461.0	460.2
27.5°	449.4	456.4	466.0	469.1	468.4
30°	458.3	467.6	478.0	481.9	481.1
32.5°	472.6	484.2	497.3	500.8	500.4
35°	492.3	509.7	524.8	522.8	518.6
37.5°	515.1	541.0	558.0	539.8	530.6
40°	537.5	572.7	589.3	559.9	545.6
42.5°	561.5	597.4	611.7	583.1	563.0
45°	586.6	607.5	612.1	597.4	580.0
47.5°	602.4	591.6	581.6	590.5	587.0
50°	590.8	554.5	538.3	555.3	575.8
52.5°	546.8	520.1	501.2	517.0	542.9
55°	491.5	484.6	462.6	478.4	491.2
57.5°	440.9	446.3	422.4	434.3	436.3
60°	393.4	397.2	376.4	386.4	383.3
62.5°	345.1	345.5	329.2	335.0	330.4
65°	294.1	291.4	277.5	281.7	277.1
67.5°	246.2	240.0	226.8	228.8	224.5
70°	199.4	192.1	179.7	182.4	180.1
72.5°	157.7	151.9	141.0	144.5	146.8
75°	124.0	119.4	111.3	114.8	120.2
77.5°	102.8	97.0	97.8	95.4	99.3
80°	84.6	81.2	84.2	81.9	80.8
82.5°	63.0	66.5	67.6	68.8	63.0
85°	41.7	47.9	50.2	48.7	42.5
87.5°	20.5	25.9	26.7	26.3	22.0
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	15.8	17.5	16.1	17.8	18.1	15.6	17.3	15.9	17.6	18.0
	3H	17.0	18.6	17.4	18.9	19.3	16.7	18.3	17.1	18.7	19.0
	4H	17.4	18.9	17.8	19.3	19.6	17.1	18.6	17.5	19.0	19.3
	6H	17.8	19.1	18.2	19.5	19.9	17.5	18.9	17.9	19.2	19.6
	8H	17.9	19.2	18.3	19.6	20.0	17.6	19.0	18.1	19.4	19.8
	12H	18.0	19.3	18.5	19.7	20.1	17.8	19.1	18.2	19.4	19.9
4H	2H	16.2	17.7	16.6	18.0	18.4	16.1	17.6	16.5	17.9	18.3
	3H	17.6	18.9	18.0	19.3	19.7	17.4	18.7	17.8	19.0	19.4
	4H	18.1	19.3	18.6	19.7	20.1	17.9	19.0	18.3	19.4	19.9
	6H	18.6	19.6	19.1	20.0	20.5	18.4	19.4	18.8	19.8	20.3
	8H	18.8	19.8	19.3	20.2	20.7	18.6	19.5	19.1	20.0	20.4
	12H	19.0	19.9	19.5	20.3	20.8	18.8	19.7	19.3	20.1	20.6
8H	4H	18.3	19.3	18.8	19.7	20.2	18.1	19.0	18.6	19.5	19.9
	6H	18.9	19.7	19.4	20.2	20.7	18.7	19.5	19.2	20.0	20.5
	8H	19.2	19.9	19.7	20.4	20.9	19.1	19.8	19.6	20.3	20.8
	12H	19.5	20.2	20.0	20.7	21.2	19.4	20.0	19.9	20.5	21.1
12H	4H	18.4	19.2	18.8	19.7	20.1	18.1	19.0	18.6	19.4	19.9
	6H	19.0	19.7	19.5	20.2	20.7	18.8	19.5	19.3	20.0	20.5
	8H	19.4	20.0	19.9	20.5	21.0	19.2	19.8	19.7	20.3	20.9











(END OF REPORT)