

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: P1526797

Luminaire Tested: 22CGTX-20HE-A125-L935

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526797
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

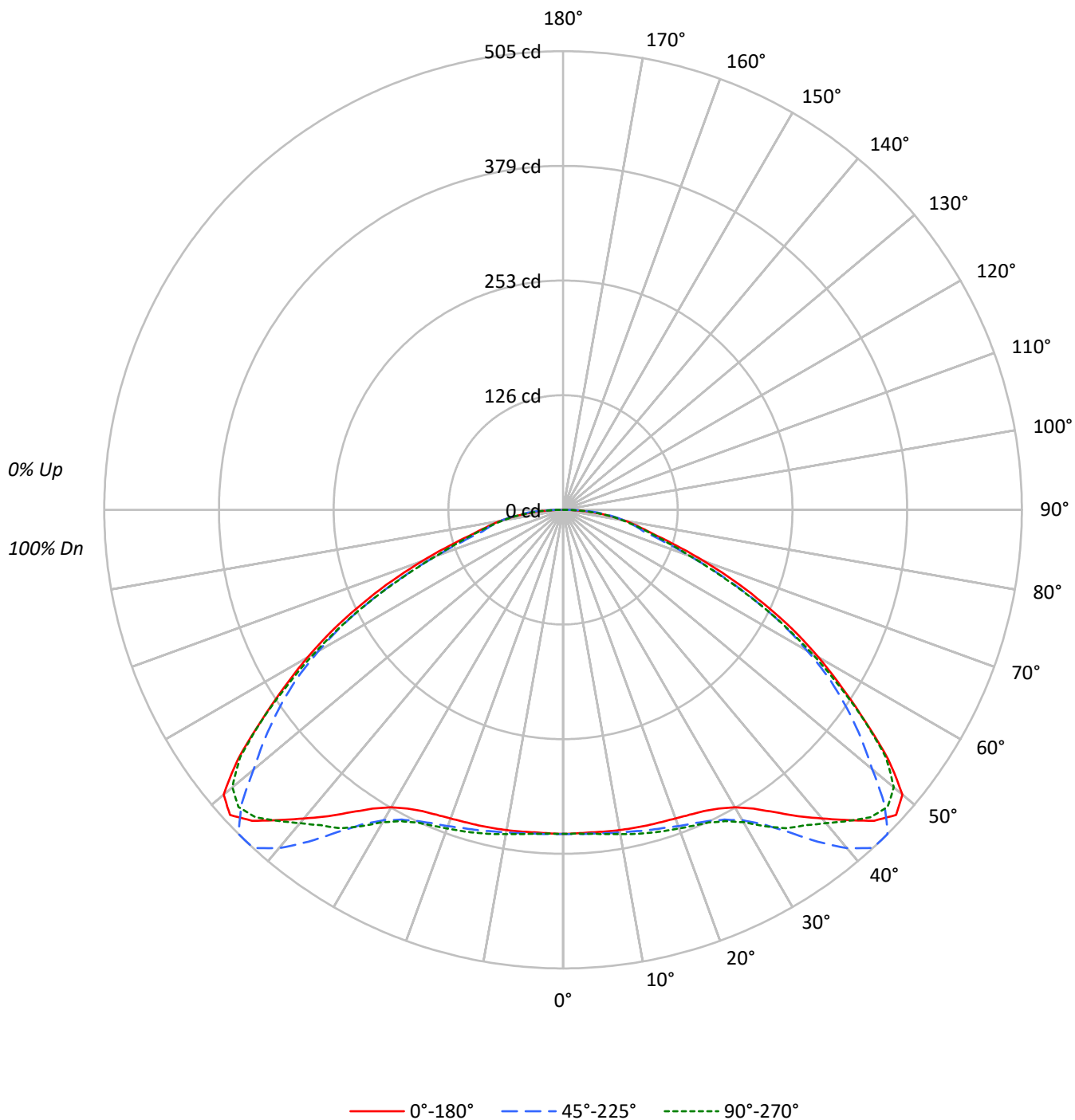
Lumens per Lamp: N/A
Luminaire Lumens: 1688.4 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	960	960	960
5°	963	967	967
10°	979	986	991
15°	1002	1017	1026
20°	1036	1061	1069
25°	1087	1123	1128
30°	1175	1226	1234
35°	1335	1423	1406
40°	1558	1708	1582
45°	1842	1922	1822
50°	2041	1860	1989
55°	1903	1791	1901
60°	1747	1672	1702
65°	1545	1458	1456
70°	1295	1167	1169
75°	1065	954	1031
80°	1082	1077	1032
85°	1062	1281	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2041 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	2.0
10°-20°	103.5	6.1
20°-30°	175.0	10.4
30°-40°	269.0	15.9
40°-50°	373.9	22.1
50°-60°	351.9	20.8
60°-70°	232.4	13.8
70°-80°	108.0	6.4
80°-90°	40.4	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°	312.7	18.5
0°-40°	581.7	34.5
0°-60°	1307.5	77.4
0°-90°	1688.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	357	357	357	357	357	
5°	356	358	358	358	358	34
15°	360	361	365	368	368	102
25°	366	371	378	380	380	170
35°	406	421	433	432	428	257
45°	484	501	505	493	479	370
55°	406	400	382	395	405	363
65°	243	240	229	232	229	241
75°	102	98	92	95	99	115
85°	34	40	42	40	35	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	356.8	356.8	356.8	356.8	356.8
2.5°	356.5	357.2	357.5	357.8	356.8
5°	356.5	357.5	357.8	358.4	358.1
7.5°	357.2	358.1	359.1	359.7	360.0
10°	358.1	359.1	360.7	362.6	362.6
12.5°	358.8	360.4	362.6	365.1	365.5
15°	359.7	361.3	365.1	367.7	368.3
17.5°	360.4	362.9	367.4	370.6	370.9
20°	361.6	364.5	370.6	373.4	373.4
22.5°	363.5	367.4	373.7	376.3	376.3
25°	366.1	370.9	378.2	380.4	379.8
27.5°	370.9	376.6	384.6	387.1	386.5
30°	378.2	385.9	394.5	397.7	397.0
32.5°	390.0	399.6	410.4	413.3	413.0
35°	406.3	420.6	433.1	431.5	428.0
37.5°	425.1	446.5	460.5	445.5	437.8
40°	443.6	472.6	486.3	462.1	450.3
42.5°	463.4	493.0	504.8	481.2	464.6
45°	484.1	501.3	505.1	493.0	478.7
47.5°	497.2	488.2	479.9	487.3	484.4
50°	487.6	457.6	444.2	458.3	475.2
52.5°	451.2	429.2	413.6	426.7	448.1
55°	405.6	399.9	381.7	394.8	405.3
57.5°	363.9	368.3	348.6	358.4	360.0
60°	324.6	327.8	310.6	318.9	316.3
62.5°	284.8	285.1	271.7	276.5	272.7
65°	242.7	240.4	229.0	232.5	228.6
67.5°	203.1	198.0	187.2	188.8	185.3
70°	164.6	158.5	148.3	150.5	148.6
72.5°	130.1	125.3	116.4	119.3	121.2
75°	102.4	98.5	91.8	94.7	99.2
77.5°	84.8	80.0	80.7	78.8	82.0
80°	69.8	67.0	69.5	67.6	66.6
82.5°	52.0	54.9	55.8	56.8	52.0
85°	34.4	39.5	41.5	40.2	35.1
87.5°	16.9	21.4	22.0	21.7	18.2
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	15.1	16.8	15.4	17.2	17.5	14.9	16.7	15.3	17.0	17.3
	3H	16.4	17.9	16.7	18.3	18.6	16.1	17.7	16.5	18.0	18.4
	4H	16.7	18.2	17.1	18.6	19.0	16.5	18.0	16.9	18.3	18.7
	6H	17.1	18.5	17.5	18.8	19.2	16.8	18.2	17.2	18.6	19.0
	8H	17.2	18.6	17.7	19.0	19.4	17.0	18.3	17.4	18.7	19.1
	12H	17.4	18.6	17.8	19.0	19.4	17.1	18.4	17.5	18.8	19.2
4H	2H	15.5	17.0	15.9	17.4	17.7	15.4	16.9	15.8	17.2	17.6
	3H	17.0	18.2	17.4	18.6	19.0	16.7	18.0	17.1	18.4	18.8
	4H	17.5	18.6	17.9	19.0	19.4	17.2	18.4	17.6	18.8	19.2
	6H	17.9	18.9	18.4	19.4	19.8	17.7	18.7	18.2	19.1	19.6
	8H	18.2	19.1	18.6	19.5	20.0	17.9	18.9	18.4	19.3	19.8
	12H	18.3	19.2	18.8	19.7	20.1	18.1	19.0	18.6	19.5	19.9
8H	4H	17.7	18.6	18.1	19.0	19.5	17.4	18.4	17.9	18.8	19.3
	6H	18.3	19.0	18.8	19.5	20.0	18.1	18.8	18.5	19.3	19.8
	8H	18.6	19.3	19.1	19.8	20.3	18.4	19.1	18.9	19.6	20.1
	12H	18.9	19.5	19.4	20.0	20.5	18.7	19.3	19.2	19.8	20.4
12H	4H	17.7	18.5	18.2	19.0	19.5	17.5	18.3	17.9	18.8	19.2
	6H	18.3	19.0	18.9	19.5	20.0	18.1	18.8	18.7	19.3	19.8
	8H	18.7	19.3	19.2	19.8	20.4	18.5	19.2	19.0	19.7	20.2













(END OF REPORT)