

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: P1526836

Luminaire Tested: 22CGTX-50HE-A125-L930

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526836
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-50HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

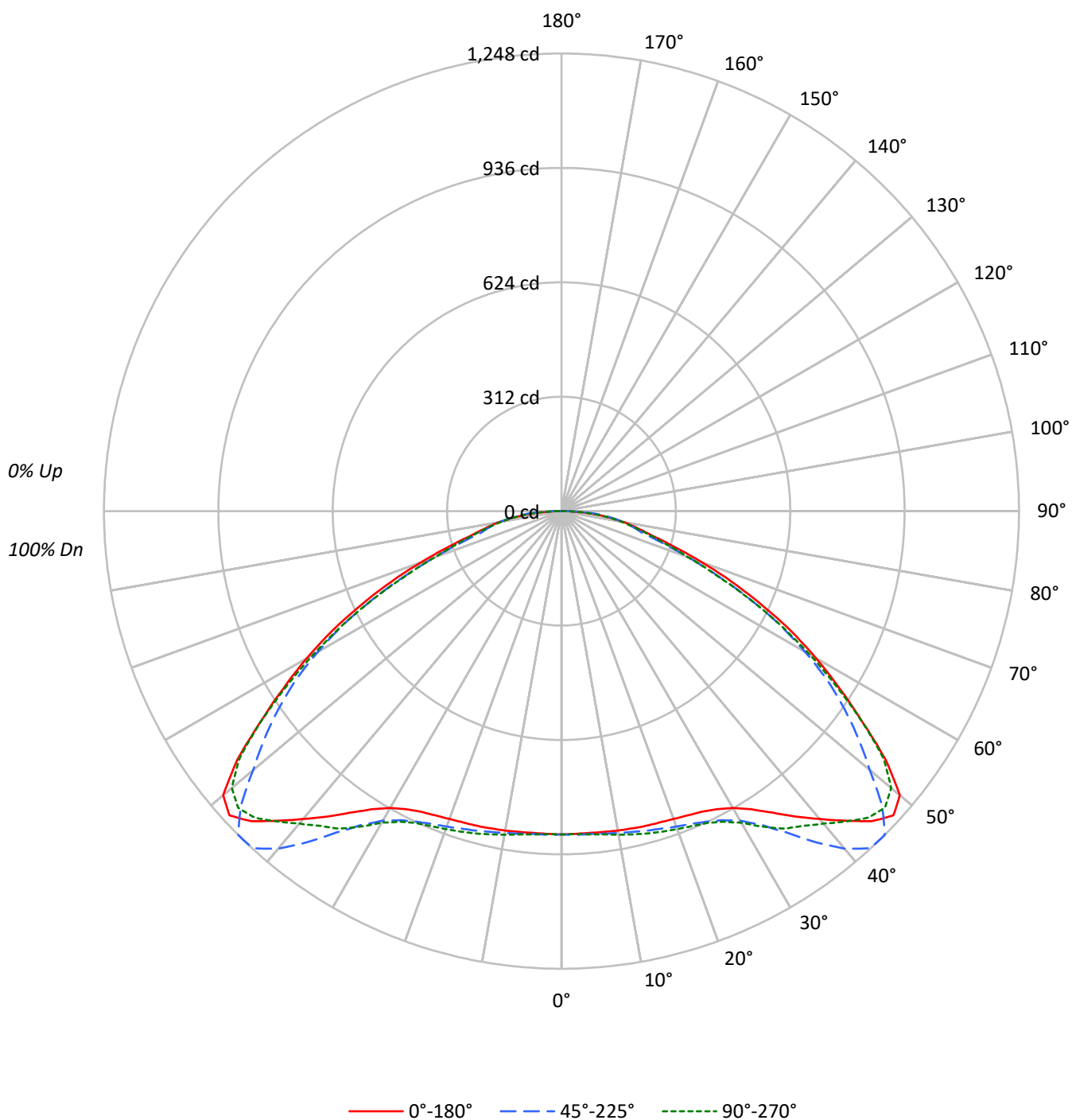
Lumens per Lamp: N/A
Luminaire Lumens: 4170.9 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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
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°	2372	2372	2372
5°	2379	2388	2390
10°	2417	2435	2447
15°	2476	2513	2535
20°	2558	2621	2642
25°	2685	2774	2786
30°	2903	3028	3048
35°	3297	3514	3473
40°	3849	4220	3908
45°	4551	4749	4500
50°	5043	4594	4914
55°	4701	4424	4698
60°	4316	4130	4206
65°	3817	3601	3597
70°	3198	2882	2888
75°	2629	2359	2547
80°	2673	2661	2552
85°	2628	3162	2677

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	2.0
10°-20°	255.6	6.1
20°-30°	432.2	10.4
30°-40°	664.6	15.9
40°-50°	923.6	22.1
50°-60°	869.4	20.8
60°-70°	574.2	13.8
70°-80°	266.8	6.4
80°-90°	99.9	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°	772.4	18.5
0°-40°	1437.0	34.5
0°-60°	3230.1	77.4
0°-90°	4170.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4170.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	881	883	884	886	885	84
15°	889	893	902	908	910	252
25°	904	916	934	940	938	421
35°	1004	1039	1070	1066	1057	635
45°	1196	1238	1248	1218	1182	915
55°	1002	988	943	975	1001	898
65°	600	594	566	574	565	595
75°	253	243	227	234	245	283
85°	85	98	102	99	87	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.6	881.6	881.6	881.6	881.6
2.5°	880.8	882.3	883.1	883.9	881.6
5°	880.8	883.1	883.9	885.5	884.7
7.5°	882.3	884.7	887.1	888.6	889.4
10°	884.7	887.1	891.0	895.7	895.7
12.5°	886.3	890.2	895.7	902.0	902.8
15°	888.6	892.6	902.0	908.3	909.9
17.5°	890.2	896.5	907.6	915.4	916.2
20°	893.4	900.5	915.4	922.5	922.5
22.5°	898.1	907.6	923.3	929.6	929.6
25°	904.4	916.2	934.3	939.9	938.3
27.5°	916.2	930.4	950.1	956.4	954.8
30°	934.3	953.2	974.5	982.4	980.8
32.5°	963.5	987.1	1013.9	1021.0	1020.2
35°	1003.7	1039.1	1069.8	1065.9	1057.2
37.5°	1050.1	1102.9	1137.6	1100.6	1081.7
40°	1095.8	1167.5	1201.4	1141.5	1112.4
42.5°	1144.7	1217.9	1247.1	1188.8	1147.8
45°	1195.9	1238.4	1247.9	1217.9	1182.5
47.5°	1228.2	1206.1	1185.6	1203.8	1196.7
50°	1204.6	1130.5	1097.4	1132.1	1173.8
52.5°	1114.7	1060.4	1021.8	1054.1	1106.9
55°	1002.1	987.9	943.0	975.3	1001.3
57.5°	898.9	909.9	861.1	885.5	889.4
60°	802.0	809.9	767.3	787.8	781.5
62.5°	703.5	704.3	671.2	683.0	673.6
65°	599.5	594.0	565.6	574.3	564.9
67.5°	501.8	489.2	462.4	466.4	457.7
70°	406.5	391.5	366.3	371.8	367.1
72.5°	321.4	309.6	287.5	294.6	299.4
75°	252.9	243.4	226.9	234.0	245.0
77.5°	209.6	197.7	199.3	194.6	202.5
80°	172.5	165.4	171.7	167.0	164.7
82.5°	128.4	135.5	137.9	140.2	128.4
85°	85.1	97.7	102.4	99.3	86.7
87.5°	41.8	52.8	54.4	53.6	44.9
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	18.2	20.0	18.6	20.3	20.6	18.1	19.8	18.4	20.1	20.4
	3H	19.5	21.1	19.9	21.4	21.8	19.2	20.8	19.6	21.1	21.5
	4H	19.9	21.4	20.3	21.7	22.1	19.6	21.1	20.0	21.5	21.8
	6H	20.2	21.6	20.6	22.0	22.4	20.0	21.4	20.4	21.7	22.1
	8H	20.4	21.7	20.8	22.1	22.5	20.1	21.4	20.5	21.8	22.2
	12H	20.5	21.8	20.9	22.2	22.6	20.3	21.5	20.7	21.9	22.3
4H	2H	18.7	20.2	19.1	20.5	20.9	18.5	20.0	18.9	20.4	20.7
	3H	20.1	21.4	20.5	21.8	22.2	19.9	21.1	20.3	21.5	21.9
	4H	20.6	21.7	21.0	22.2	22.6	20.4	21.5	20.8	21.9	22.3
	6H	21.1	22.1	21.5	22.5	23.0	20.9	21.8	21.3	22.3	22.7
	8H	21.3	22.2	21.8	22.7	23.1	21.1	22.0	21.5	22.5	22.9
	12H	21.5	22.3	22.0	22.8	23.3	21.3	22.1	21.8	22.6	23.1
8H	4H	20.8	21.7	21.3	22.2	22.6	20.6	21.5	21.0	21.9	22.4
	6H	21.4	22.2	21.9	22.7	23.1	21.2	22.0	21.7	22.5	22.9
	8H	21.7	22.4	22.2	22.9	23.4	21.5	22.2	22.0	22.7	23.2
	12H	22.0	22.6	22.5	23.1	23.7	21.9	22.5	22.4	23.0	23.5
12H	4H	20.8	21.7	21.3	22.1	22.6	20.6	21.4	21.1	21.9	22.4
	6H	21.5	22.2	22.0	22.6	23.2	21.3	22.0	21.8	22.4	23.0
	8H	21.8	22.5	22.4	23.0	23.5	21.7	22.3	22.2	22.8	23.4















(END OF REPORT)