

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: P1526838

Luminaire Tested: 22CGTX-50HE-A125-L940

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526838
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

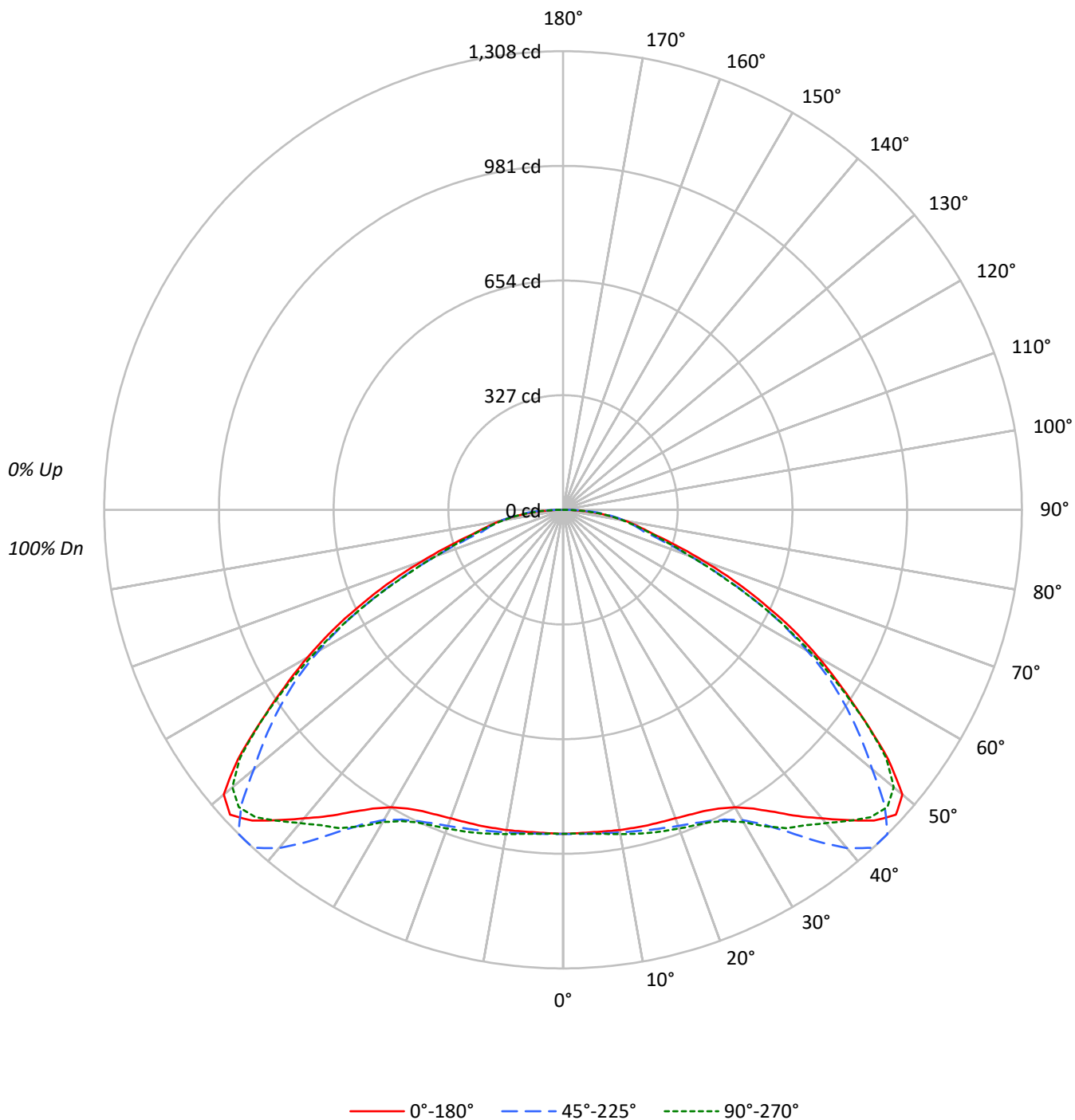
Lumens per Lamp: N/A
Luminaire Lumens: 4372.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526838

CATALOG NUMBER: 22CGTX-50HE-A125-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1526838

CATALOG NUMBER: 22CGTX-50HE-A125-L940

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	82
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	69	69	67
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	57	57	55
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	48	48	46
5	73	59	49	42	71	58	49	42	56	48	42	54	47	41	52	46	41	41	41	38
6	67	52	43	36	65	52	42	36	50	42	36	48	41	35	46	40	35	35	35	33
7	61	47	38	31	60	46	37	31	45	37	31	43	36	30	42	35	30	30	30	28
8	57	42	33	27	55	42	33	27	40	32	27	39	32	27	38	31	26	26	26	24
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	23	23	21
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	21	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2486	2486	2486
5°	2494	2503	2505
10°	2534	2552	2566
15°	2595	2634	2657
20°	2682	2748	2769
25°	2815	2908	2920
30°	3043	3174	3195
35°	3456	3684	3641
40°	4035	4424	4096
45°	4770	4978	4717
50°	5286	4816	5151
55°	4928	4637	4924
60°	4524	4329	4409
65°	4001	3775	3770
70°	3353	3021	3028
75°	2756	2472	2670
80°	2802	2789	2675
85°	2754	3316	2803

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5286 cd/sqm

TEST NUMBER: P1526838

CATALOG NUMBER: 22CGTX-50HE-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	2.0
10°-20°	268.0	6.1
20°-30°	453.0	10.4
30°-40°	696.6	15.9
40°-50°	968.1	22.1
50°-60°	911.3	20.8
60°-70°	601.9	13.8
70°-80°	279.7	6.4
80°-90°	104.7	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°	809.7	18.5
0°-40°	1506.3	34.5
0°-60°	3385.7	77.4
0°-90°	4372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	923	926	926	928	927	88
15°	932	936	946	952	954	264
25°	948	960	979	985	984	441
35°	1052	1089	1121	1117	1108	666
45°	1254	1298	1308	1277	1240	959
55°	1050	1036	988	1022	1050	941
65°	628	623	593	602	592	624
75°	265	255	238	245	257	297
85°	89	102	107	104	91	97
90°	0	0	0	0	0	

TEST NUMBER: P1526838

CATALOG NUMBER: 22CGTX-50HE-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.0	924.0	924.0	924.0	924.0
2.5°	923.2	924.9	925.7	926.5	924.0
5°	923.2	925.7	926.5	928.2	927.3
7.5°	924.9	927.3	929.8	931.5	932.3
10°	927.3	929.8	933.9	938.9	938.9
12.5°	929.0	933.1	938.9	945.5	946.3
15°	931.5	935.6	945.5	952.1	953.8
17.5°	933.1	939.7	951.3	959.5	960.4
20°	936.4	943.9	959.5	967.0	967.0
22.5°	941.4	951.3	967.8	974.4	974.4
25°	948.0	960.4	979.4	985.1	983.5
27.5°	960.4	975.2	995.9	1002.5	1000.8
30°	979.4	999.2	1021.5	1029.7	1028.1
32.5°	1009.9	1034.7	1062.8	1070.2	1069.4
35°	1052.0	1089.2	1121.4	1117.3	1108.2
37.5°	1100.8	1156.1	1192.4	1153.6	1133.8
40°	1148.6	1223.8	1259.3	1196.5	1166.0
42.5°	1199.8	1276.6	1307.2	1246.1	1203.2
45°	1253.5	1298.1	1308.0	1276.6	1239.5
47.5°	1287.4	1264.3	1242.8	1261.8	1254.3
50°	1262.6	1185.0	1150.3	1186.6	1230.4
52.5°	1168.5	1111.5	1071.0	1104.9	1160.2
55°	1050.4	1035.5	988.4	1022.3	1049.6
57.5°	942.2	953.8	902.6	928.2	932.3
60°	840.6	848.9	804.3	825.8	819.2
62.5°	737.4	738.2	703.6	715.9	706.0
65°	628.4	622.6	592.9	602.0	592.1
67.5°	526.0	512.8	484.7	488.9	479.8
70°	426.1	410.4	384.0	389.8	384.8
72.5°	336.9	324.5	301.4	308.8	313.8
75°	265.1	255.2	237.8	245.3	256.8
77.5°	219.7	207.3	208.9	204.0	212.2
80°	180.8	173.4	180.0	175.1	172.6
82.5°	134.6	142.0	144.5	147.0	134.6
85°	89.2	102.4	107.4	104.0	90.8
87.5°	43.8	55.3	57.0	56.2	47.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526838

CATALOG NUMBER: 22CGTX-50HE-A125-L940

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	18.4	20.1	18.8	20.5	20.8	18.2	20.0	18.6	20.3	20.6
	3H	19.7	21.2	20.0	21.6	21.9	19.4	21.0	19.8	21.3	21.7
	4H	20.1	21.5	20.4	21.9	22.3	19.8	21.3	20.2	21.6	22.0
	6H	20.4	21.8	20.8	22.1	22.5	20.1	21.5	20.5	21.9	22.3
	8H	20.5	21.9	21.0	22.3	22.7	20.3	21.6	20.7	22.0	22.4
	12H	20.7	21.9	21.1	22.3	22.7	20.4	21.7	20.8	22.1	22.5
4H	2H	18.8	20.3	19.2	20.7	21.1	18.7	20.2	19.1	20.5	20.9
	3H	20.3	21.5	20.7	21.9	22.3	20.0	21.3	20.4	21.7	22.1
	4H	20.8	21.9	21.2	22.3	22.8	20.5	21.7	21.0	22.1	22.5
	6H	21.3	22.2	21.7	22.7	23.1	21.0	22.0	21.5	22.4	22.9
	8H	21.5	22.4	21.9	22.8	23.3	21.2	22.2	21.7	22.6	23.1
	12H	21.7	22.5	22.1	23.0	23.4	21.5	22.3	21.9	22.8	23.2
8H	4H	21.0	21.9	21.4	22.3	22.8	20.7	21.7	21.2	22.1	22.6
	6H	21.6	22.3	22.1	22.8	23.3	21.4	22.1	21.9	22.6	23.1
	8H	21.9	22.6	22.4	23.1	23.6	21.7	22.4	22.2	22.9	23.4
	12H	22.2	22.8	22.7	23.3	23.8	22.0	22.7	22.5	23.1	23.7
12H	4H	21.0	21.8	21.5	22.3	22.8	20.8	21.6	21.2	22.1	22.5
	6H	21.6	22.4	22.2	22.8	23.3	21.4	22.2	22.0	22.6	23.1
	8H	22.0	22.6	22.5	23.1	23.7	21.8	22.5	22.3	23.0	23.5













(END OF REPORT)