

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: P1526837

Luminaire Tested: 22CGTX-50HE-A125-L935

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526837
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

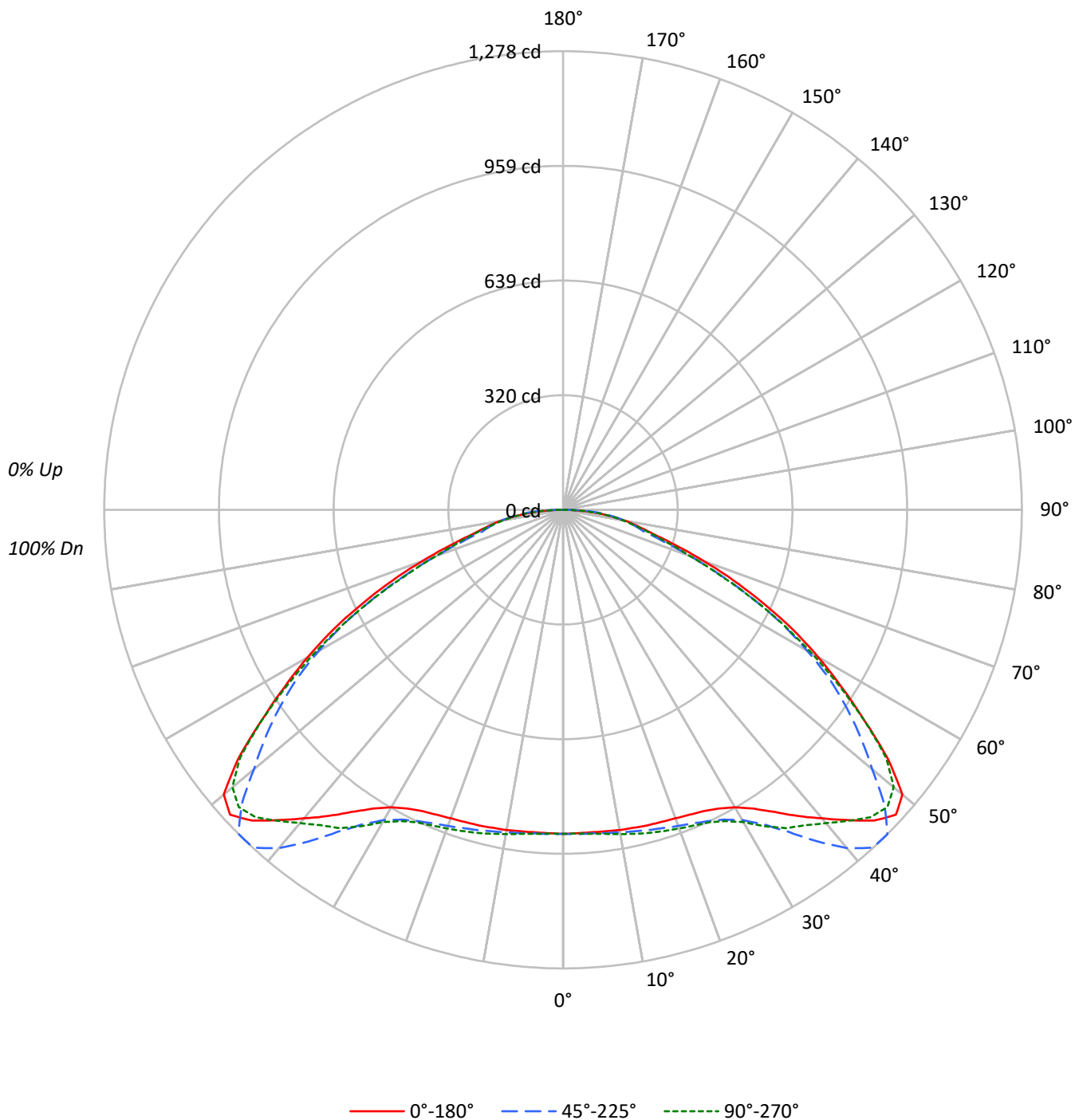
Lumens per Lamp: N/A
Luminaire Lumens: 4271.5 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1526837

CATALOG NUMBER: 22CGTX-50HE-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526837

CATALOG NUMBER: 22CGTX-50HE-A125-L935

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°	2429	2429	2429
5°	2437	2445	2447
10°	2476	2493	2507
15°	2535	2574	2596
20°	2620	2685	2706
25°	2750	2841	2853
30°	2973	3101	3121
35°	3376	3599	3557
40°	3942	4322	4002
45°	4661	4864	4609
50°	5164	4705	5032
55°	4814	4531	4811
60°	4420	4229	4307
65°	3910	3689	3684
70°	3275	2952	2958
75°	2693	2416	2609
80°	2738	2726	2613
85°	2689	3239	2739

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5164 cd/sqm

TEST NUMBER: P1526837

CATALOG NUMBER: 22CGTX-50HE-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	2.0
10°-20°	261.8	6.1
20°-30°	442.6	10.4
30°-40°	680.6	15.9
40°-50°	945.9	22.1
50°-60°	890.4	20.8
60°-70°	588.0	13.8
70°-80°	273.3	6.4
80°-90°	102.3	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°	791.1	18.5
0°-40°	1471.7	34.5
0°-60°	3307.9	77.4
0°-90°	4271.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4271.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	903	903	903	903	903	
5°	902	904	905	907	906	86
15°	910	914	924	930	932	258
25°	926	938	957	962	961	431
35°	1028	1064	1096	1092	1083	651
45°	1225	1268	1278	1247	1211	937
55°	1026	1012	966	999	1025	919
65°	614	608	579	588	578	610
75°	259	249	232	240	251	290
85°	87	100	105	102	89	95
90°	0	0	0	0	0	

TEST NUMBER: P1526837

CATALOG NUMBER: 22CGTX-50HE-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902.8	902.8	902.8	902.8	902.8
2.5°	902.0	903.6	904.4	905.2	902.8
5°	902.0	904.4	905.2	906.8	906.0
7.5°	903.6	906.0	908.4	910.1	910.9
10°	906.0	908.4	912.5	917.3	917.3
12.5°	907.6	911.7	917.3	923.8	924.6
15°	910.1	914.1	923.8	930.2	931.8
17.5°	911.7	918.1	929.4	937.5	938.3
20°	914.9	922.2	937.5	944.8	944.8
22.5°	919.7	929.4	945.6	952.0	952.0
25°	926.2	938.3	956.9	962.5	960.9
27.5°	938.3	952.8	973.0	979.4	977.8
30°	956.9	976.2	998.0	1006.1	1004.5
32.5°	986.7	1010.9	1038.3	1045.6	1044.8
35°	1027.8	1064.2	1095.6	1091.6	1082.7
37.5°	1075.5	1129.5	1165.0	1127.1	1107.7
40°	1122.2	1195.7	1230.4	1169.0	1139.2
42.5°	1172.3	1247.3	1277.1	1217.4	1175.5
45°	1224.7	1268.3	1278.0	1247.3	1211.0
47.5°	1257.8	1235.2	1214.2	1232.8	1225.5
50°	1233.6	1157.7	1123.9	1159.4	1202.1
52.5°	1141.6	1085.9	1046.4	1079.5	1133.5
55°	1026.2	1011.7	965.7	998.8	1025.4
57.5°	920.5	931.8	881.8	906.8	910.9
60°	821.3	829.4	785.8	806.8	800.3
62.5°	720.5	721.3	687.4	699.5	689.8
65°	614.0	608.3	579.3	588.1	578.5
67.5°	513.9	501.0	473.6	477.6	468.7
70°	416.3	401.0	375.2	380.8	376.0
72.5°	329.2	317.1	294.5	301.7	306.6
75°	259.0	249.3	232.4	239.6	250.9
77.5°	214.6	202.5	204.1	199.3	207.3
80°	176.7	169.4	175.9	171.0	168.6
82.5°	131.5	138.8	141.2	143.6	131.5
85°	87.1	100.0	104.9	101.7	88.7
87.5°	42.8	54.1	55.7	54.9	46.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526837

CATALOG NUMBER: 22CGTX-50HE-A125-L935

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	18.3	20.1	18.7	20.4	20.7	18.1	19.9	18.5	20.2	20.5
	3H	19.6	21.2	20.0	21.5	21.9	19.3	20.9	19.7	21.2	21.6
	4H	20.0	21.5	20.4	21.8	22.2	19.7	21.2	20.1	21.5	21.9
	6H	20.3	21.7	20.7	22.1	22.5	20.0	21.4	20.5	21.8	22.2
	8H	20.5	21.8	20.9	22.2	22.6	20.2	21.5	20.6	21.9	22.3
	12H	20.6	21.9	21.0	22.2	22.7	20.3	21.6	20.8	22.0	22.4
4H	2H	18.8	20.3	19.2	20.6	21.0	18.6	20.1	19.0	20.5	20.8
	3H	20.2	21.5	20.6	21.8	22.2	20.0	21.2	20.4	21.6	22.0
	4H	20.7	21.8	21.1	22.2	22.7	20.4	21.6	20.9	22.0	22.4
	6H	21.2	22.2	21.6	22.6	23.1	20.9	21.9	21.4	22.4	22.8
	8H	21.4	22.3	21.8	22.8	23.2	21.2	22.1	21.6	22.5	23.0
	12H	21.6	22.4	22.1	22.9	23.4	21.4	22.2	21.9	22.7	23.2
8H	4H	20.9	21.8	21.3	22.3	22.7	20.7	21.6	21.1	22.0	22.5
	6H	21.5	22.3	22.0	22.8	23.2	21.3	22.1	21.8	22.5	23.0
	8H	21.8	22.5	22.3	23.0	23.5	21.6	22.3	22.1	22.8	23.3
	12H	22.1	22.7	22.6	23.2	23.8	21.9	22.6	22.4	23.1	23.6
12H	4H	20.9	21.8	21.4	22.2	22.7	20.7	21.5	21.2	22.0	22.5
	6H	21.6	22.3	22.1	22.7	23.3	21.4	22.1	21.9	22.5	23.1
	8H	21.9	22.6	22.4	23.0	23.6	21.8	22.4	22.3	22.9	23.4













(END OF REPORT)