

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: P1526823

Luminaire Tested: 22CGTX-45-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526823
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-45-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

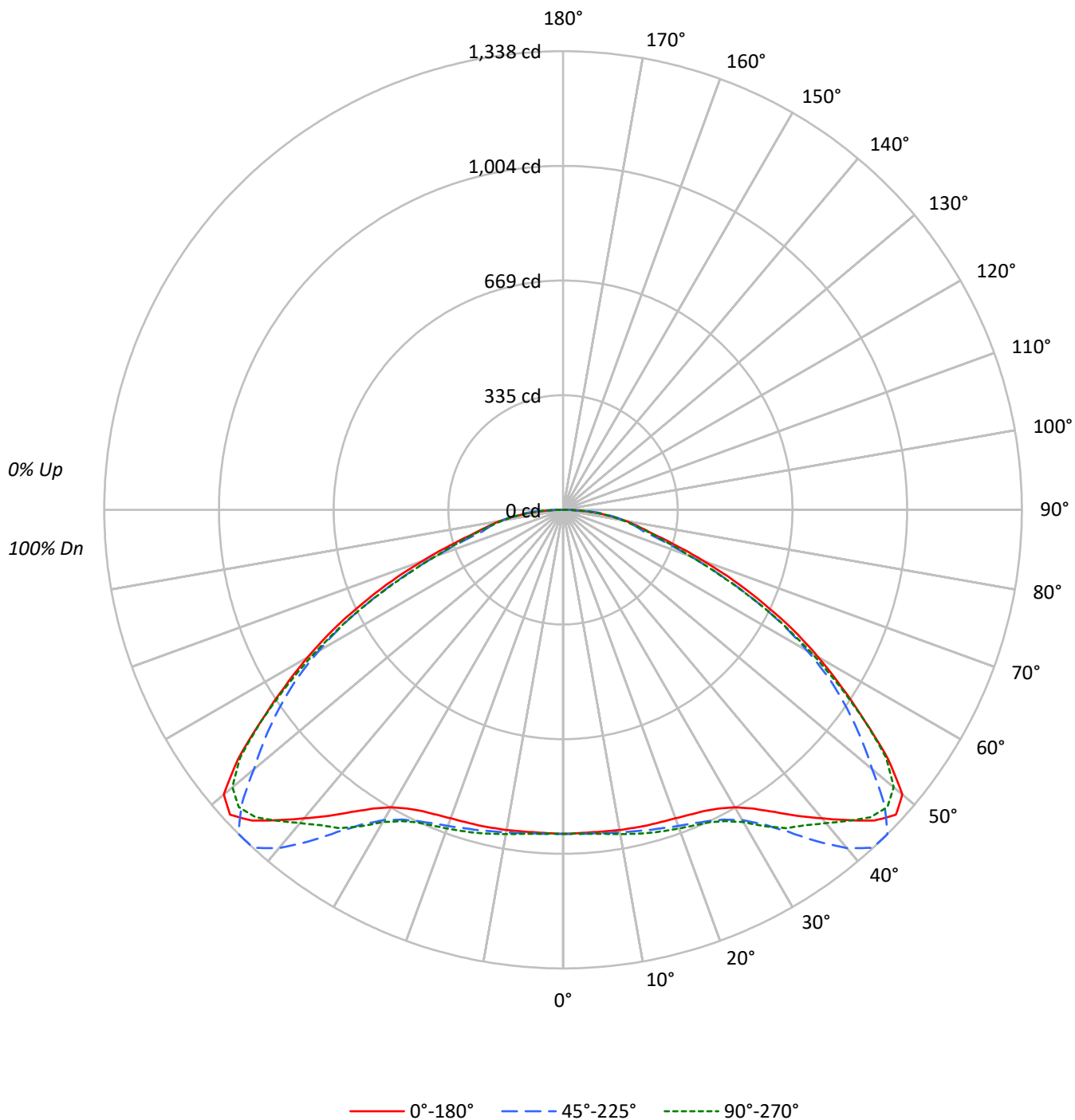
Lumens per Lamp: N/A
Luminaire Lumens: 4472.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.1
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: P1526823

CATALOG NUMBER: 22CGTX-45-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1526823

CATALOG NUMBER: 22CGTX-45-A125-L840

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°	2544	2544	2544
5°	2551	2560	2562
10°	2592	2610	2624
15°	2654	2694	2718
20°	2743	2811	2832
25°	2879	2975	2987
30°	3113	3247	3268
35°	3535	3768	3724
40°	4127	4525	4190
45°	4880	5092	4825
50°	5407	4926	5269
55°	5041	4744	5037
60°	4628	4428	4510
65°	4093	3862	3856
70°	3430	3091	3097
75°	2819	2530	2731
80°	2867	2853	2735
85°	2816	3390	2868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5407 cd/sqm

TEST NUMBER: P1526823

CATALOG NUMBER: 22CGTX-45-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	2.0
10°-20°	274.1	6.1
20°-30°	463.4	10.4
30°-40°	712.6	15.9
40°-50°	990.3	22.1
50°-60°	932.2	20.8
60°-70°	615.6	13.8
70°-80°	286.1	6.4
80°-90°	107.1	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°	828.2	18.5
0°-40°	1540.8	34.5
0°-60°	3463.2	77.4
0°-90°	4472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4472.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	944	947	948	949	949	90
15°	953	957	967	974	976	270
25°	970	982	1002	1008	1006	451
35°	1076	1114	1147	1143	1134	681
45°	1282	1328	1338	1306	1268	981
55°	1074	1059	1011	1046	1074	963
65°	643	637	606	616	606	638
75°	271	261	243	251	263	303
85°	91	105	110	106	93	100
90°	0	0	0	0	0	

TEST NUMBER: P1526823

CATALOG NUMBER: 22CGTX-45-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.2	945.2	945.2	945.2	945.2
2.5°	944.3	946.0	946.9	947.7	945.2
5°	944.3	946.9	947.7	949.4	948.6
7.5°	946.0	948.6	951.1	952.8	953.6
10°	948.6	951.1	955.3	960.4	960.4
12.5°	950.3	954.5	960.4	967.1	968.0
15°	952.8	957.0	967.1	973.9	975.6
17.5°	954.5	961.2	973.1	981.5	982.4
20°	957.9	965.5	981.5	989.1	989.1
22.5°	962.9	973.1	990.0	996.7	996.7
25°	969.7	982.4	1001.8	1007.7	1006.0
27.5°	982.4	997.6	1018.7	1025.4	1023.7
30°	1001.8	1022.1	1044.9	1053.3	1051.6
32.5°	1033.0	1058.4	1087.1	1094.7	1093.9
35°	1076.1	1114.1	1147.1	1142.8	1133.5
37.5°	1125.9	1182.5	1219.7	1180.0	1159.7
40°	1174.9	1251.8	1288.1	1223.9	1192.7
42.5°	1227.3	1305.9	1337.1	1274.6	1230.7
45°	1282.2	1327.8	1338.0	1305.9	1267.9
47.5°	1316.8	1293.2	1271.2	1290.7	1283.1
50°	1291.5	1212.1	1176.6	1213.8	1258.6
52.5°	1195.2	1136.9	1095.5	1130.2	1186.8
55°	1074.4	1059.2	1011.1	1045.7	1073.6
57.5°	963.8	975.6	923.2	949.4	953.6
60°	859.9	868.3	822.7	844.7	837.9
62.5°	754.3	755.1	719.7	732.3	722.2
65°	642.8	636.9	606.5	615.8	605.6
67.5°	538.1	524.5	495.8	500.0	490.8
70°	435.9	419.8	392.8	398.7	393.6
72.5°	344.6	332.0	308.3	315.9	321.0
75°	271.1	261.0	243.3	250.9	262.7
77.5°	224.7	212.0	213.7	208.6	217.1
80°	185.0	177.4	184.1	179.1	176.5
82.5°	137.7	145.3	147.8	150.4	137.7
85°	91.2	104.7	109.8	106.4	92.9
87.5°	44.8	56.6	58.3	57.4	48.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526823

CATALOG NUMBER: 22CGTX-45-A125-L840

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	18.5	20.2	18.8	20.5	20.8	18.3	20.1	18.7	20.4	20.7
	3H	19.7	21.3	20.1	21.7	22.0	19.5	21.1	19.8	21.4	21.7
	4H	20.1	21.6	20.5	22.0	22.3	19.9	21.3	20.2	21.7	22.1
	6H	20.5	21.9	20.9	22.2	22.6	20.2	21.6	20.6	22.0	22.3
	8H	20.6	22.0	21.0	22.3	22.7	20.4	21.7	20.8	22.1	22.5
	12H	20.7	22.0	21.2	22.4	22.8	20.5	21.8	20.9	22.2	22.6
4H	2H	18.9	20.4	19.3	20.8	21.1	18.8	20.3	19.2	20.6	21.0
	3H	20.4	21.6	20.8	22.0	22.4	20.1	21.4	20.5	21.8	22.2
	4H	20.9	22.0	21.3	22.4	22.8	20.6	21.7	21.0	22.1	22.6
	6H	21.3	22.3	21.8	22.8	23.2	21.1	22.1	21.5	22.5	23.0
	8H	21.5	22.5	22.0	22.9	23.4	21.3	22.3	21.8	22.7	23.2
	12H	21.7	22.6	22.2	23.0	23.5	21.5	22.4	22.0	22.8	23.3
8H	4H	21.0	22.0	21.5	22.4	22.9	20.8	21.7	21.3	22.2	22.6
	6H	21.6	22.4	22.1	22.9	23.4	21.4	22.2	21.9	22.7	23.2
	8H	22.0	22.7	22.5	23.2	23.6	21.8	22.5	22.3	23.0	23.5
	12H	22.3	22.9	22.8	23.4	23.9	22.1	22.7	22.6	23.2	23.8
12H	4H	21.1	21.9	21.5	22.4	22.9	20.8	21.7	21.3	22.2	22.6
	6H	21.7	22.4	22.2	22.9	23.4	21.5	22.2	22.0	22.7	23.2
	8H	22.1	22.7	22.6	23.2	23.8	21.9	22.5	22.4	23.0	23.6













(END OF REPORT)