

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: P1526824

Luminaire Tested: 22CGTX-45-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526824
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

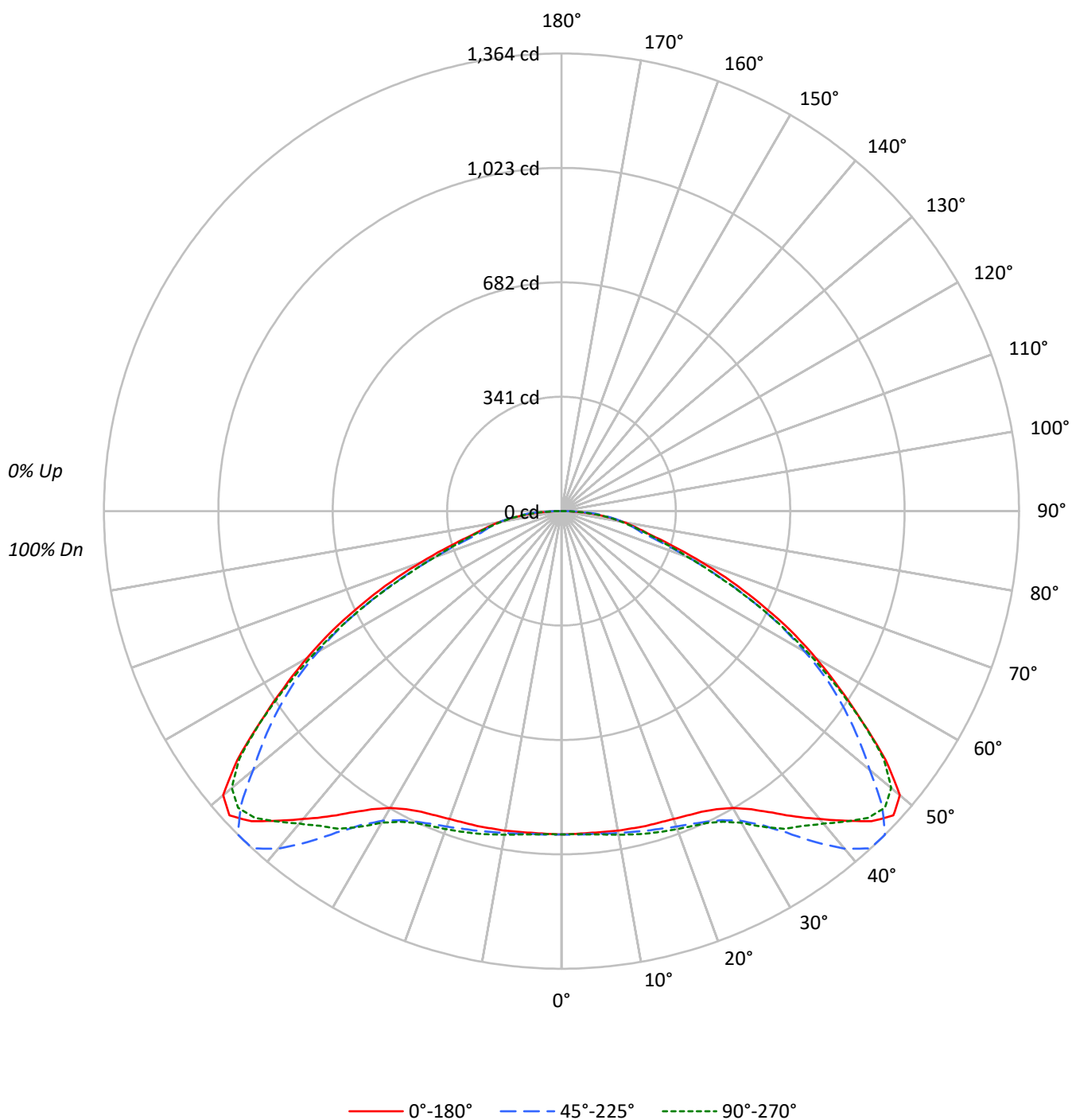
Lumens per Lamp: N/A
Luminaire Lumens: 4558.9 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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°	2593	2593	2593
5°	2601	2610	2612
10°	2642	2661	2675
15°	2706	2747	2771
20°	2796	2865	2887
25°	2935	3032	3045
30°	3173	3310	3331
35°	3604	3841	3796
40°	4208	4613	4271
45°	4974	5190	4919
50°	5512	5022	5371
55°	5139	4836	5134
60°	4718	4514	4597
65°	4173	3937	3931
70°	3496	3150	3157
75°	2874	2578	2784
80°	2923	2909	2789
85°	2871	3455	2924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	2.0
10°-20°	279.4	6.1
20°-30°	472.4	10.4
30°-40°	726.4	15.9
40°-50°	1009.5	22.1
50°-60°	950.3	20.8
60°-70°	627.6	13.8
70°-80°	291.6	6.4
80°-90°	109.2	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°	844.3	18.5
0°-40°	1570.7	34.5
0°-60°	3530.5	77.4
0°-90°	4558.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4558.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	963	965	966	968	967	92
15°	971	976	986	993	994	275
25°	988	1001	1021	1027	1026	460
35°	1097	1136	1169	1165	1156	694
45°	1307	1354	1364	1331	1292	1000
55°	1095	1080	1031	1066	1094	981
65°	655	649	618	628	617	651
75°	276	266	248	256	268	309
85°	93	107	112	108	95	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	963.5	963.5	963.5	963.5	963.5
2.5°	962.7	964.4	965.3	966.1	963.5
5°	962.7	965.3	966.1	967.8	967.0
7.5°	964.4	967.0	969.6	971.3	972.2
10°	967.0	969.6	973.9	979.0	979.0
12.5°	968.7	973.0	979.0	985.9	986.8
15°	971.3	975.6	985.9	992.8	994.5
17.5°	973.0	979.9	992.0	1000.6	1001.4
20°	976.5	984.2	1000.6	1008.3	1008.3
22.5°	981.6	992.0	1009.2	1016.1	1016.1
25°	988.5	1001.4	1021.2	1027.3	1025.5
27.5°	1001.4	1016.9	1038.5	1045.3	1043.6
30°	1021.2	1041.9	1065.1	1073.8	1072.0
32.5°	1053.1	1078.9	1108.2	1116.0	1115.1
35°	1097.0	1135.8	1169.3	1165.0	1155.6
37.5°	1147.8	1205.5	1243.4	1202.9	1182.3
40°	1197.8	1276.1	1313.1	1247.7	1215.8
42.5°	1251.1	1331.2	1363.1	1299.4	1254.6
45°	1307.1	1353.6	1363.9	1331.2	1292.5
47.5°	1342.4	1318.3	1295.9	1315.7	1308.0
50°	1316.6	1235.6	1199.5	1237.4	1283.0
52.5°	1218.4	1159.0	1116.8	1152.1	1209.8
55°	1095.3	1079.8	1030.7	1066.0	1094.4
57.5°	982.5	994.5	941.2	967.8	972.2
60°	876.6	885.2	838.7	861.1	854.2
62.5°	768.9	769.8	733.6	746.6	736.2
65°	655.3	649.2	618.3	627.7	617.4
67.5°	548.5	534.7	505.4	509.8	500.3
70°	444.3	428.0	400.4	406.4	401.3
72.5°	351.3	338.4	314.3	322.0	327.2
75°	276.4	266.1	248.0	255.7	267.8
77.5°	229.0	216.1	217.9	212.7	221.3
80°	188.6	180.8	187.7	182.5	180.0
82.5°	140.4	148.1	150.7	153.3	140.4
85°	93.0	106.8	111.9	108.5	94.7
87.5°	45.6	57.7	59.4	58.6	49.1
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	18.5	20.3	18.9	20.6	20.9	18.4	20.1	18.7	20.4	20.7
	3H	19.8	21.4	20.2	21.7	22.1	19.5	21.1	19.9	21.4	21.8
	4H	20.2	21.7	20.6	22.0	22.4	19.9	21.4	20.3	21.8	22.1
	6H	20.5	21.9	21.0	22.3	22.7	20.3	21.7	20.7	22.0	22.4
	8H	20.7	22.0	21.1	22.4	22.8	20.4	21.8	20.9	22.1	22.5
	12H	20.8	22.1	21.2	22.5	22.9	20.6	21.8	21.0	22.2	22.6
4H	2H	19.0	20.5	19.4	20.8	21.2	18.8	20.3	19.2	20.7	21.1
	3H	20.4	21.7	20.8	22.1	22.5	20.2	21.4	20.6	21.8	22.2
	4H	20.9	22.1	21.3	22.5	22.9	20.7	21.8	21.1	22.2	22.6
	6H	21.4	22.4	21.8	22.8	23.3	21.2	22.2	21.6	22.6	23.0
	8H	21.6	22.5	22.1	23.0	23.4	21.4	22.3	21.9	22.8	23.2
	12H	21.8	22.6	22.3	23.1	23.6	21.6	22.4	22.1	22.9	23.4
8H	4H	21.1	22.0	21.6	22.5	22.9	20.9	21.8	21.3	22.3	22.7
	6H	21.7	22.5	22.2	23.0	23.5	21.5	22.3	22.0	22.8	23.2
	8H	22.0	22.7	22.5	23.2	23.7	21.8	22.5	22.4	23.1	23.5
	12H	22.3	22.9	22.8	23.4	24.0	22.2	22.8	22.7	23.3	23.8
12H	4H	21.1	22.0	21.6	22.5	22.9	20.9	21.8	21.4	22.2	22.7
	6H	21.8	22.5	22.3	23.0	23.5	21.6	22.3	22.1	22.8	23.3
	8H	22.2	22.8	22.7	23.3	23.8	22.0	22.6	22.5	23.1	23.7















(END OF REPORT)