

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: P1526822

Luminaire Tested: 22CGTX-45-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526822
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

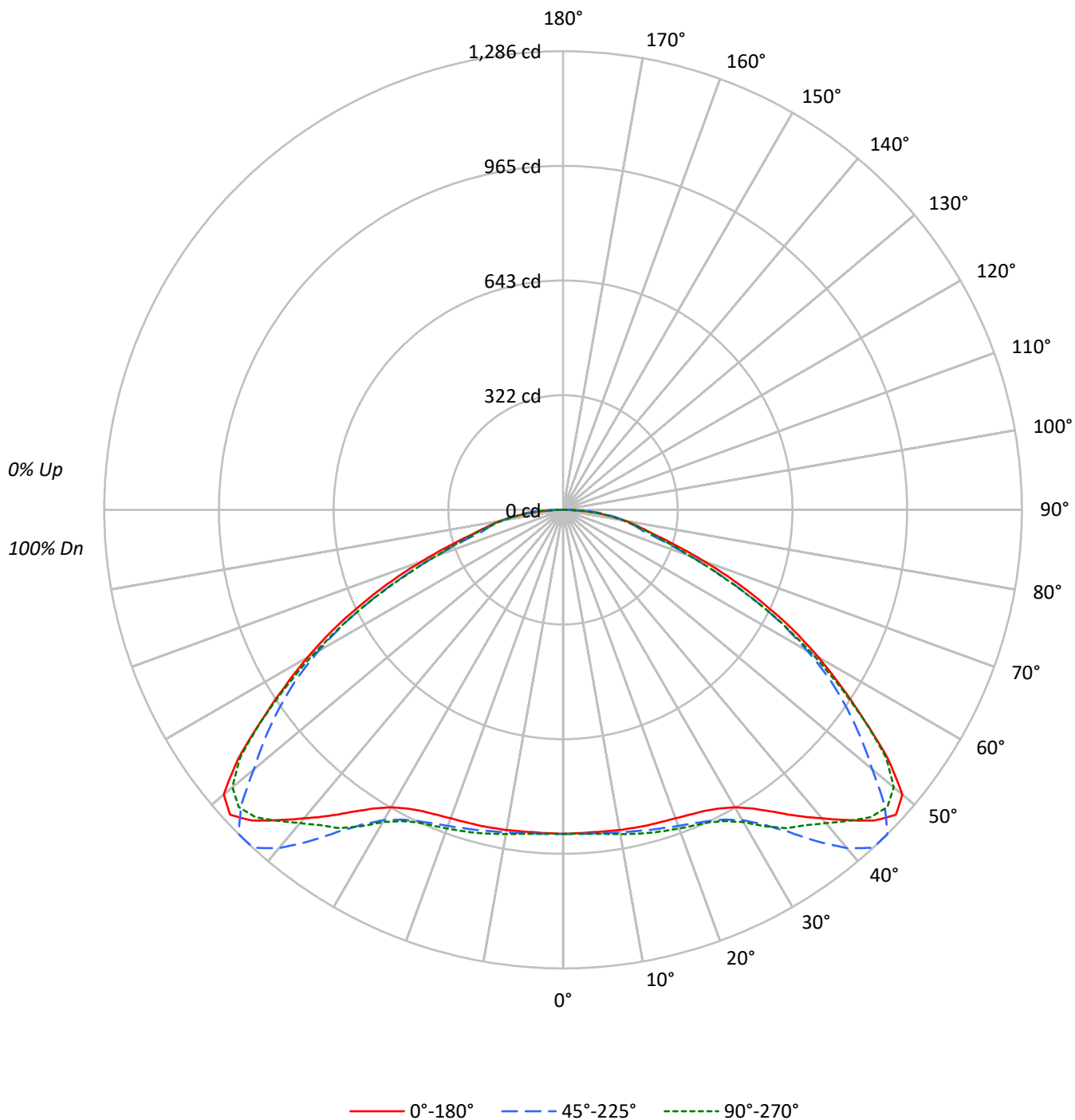
Lumens per Lamp: N/A
Luminaire Lumens: 4298.3 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2445	2445	2445
5°	2452	2461	2463
10°	2491	2509	2522
15°	2551	2590	2612
20°	2637	2702	2723
25°	2767	2859	2871
30°	2992	3121	3141
35°	3398	3622	3579
40°	3967	4349	4027
45°	4690	4894	4638
50°	5197	4734	5064
55°	4845	4559	4841
60°	4448	4256	4335
65°	3934	3712	3706
70°	3296	2970	2976
75°	2709	2431	2625
80°	2755	2743	2630
85°	2708	3257	2757

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5197 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	2.0
10°-20°	263.4	6.1
20°-30°	445.4	10.4
30°-40°	684.9	15.9
40°-50°	951.8	22.1
50°-60°	896.0	20.8
60°-70°	591.7	13.8
70°-80°	275.0	6.4
80°-90°	102.9	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°	796.0	18.5
0°-40°	1480.9	34.5
0°-60°	3328.7	77.4
0°-90°	4298.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4298.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	908	910	911	912	912	87
15°	916	920	930	936	938	260
25°	932	944	963	969	967	434
35°	1034	1071	1102	1098	1090	655
45°	1232	1276	1286	1255	1219	943
55°	1033	1018	972	1005	1032	925
65°	618	612	583	592	582	613
75°	261	251	234	241	252	292
85°	88	101	106	102	89	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.5	908.5	908.5	908.5	908.5
2.5°	907.7	909.3	910.1	910.9	908.5
5°	907.7	910.1	910.9	912.5	911.7
7.5°	909.3	911.7	914.2	915.8	916.6
10°	911.7	914.2	918.2	923.1	923.1
12.5°	913.4	917.4	923.1	929.6	930.4
15°	915.8	919.8	929.6	936.1	937.7
17.5°	917.4	923.9	935.3	943.4	944.2
20°	920.7	928.0	943.4	950.7	950.7
22.5°	925.5	935.3	951.5	958.0	958.0
25°	932.0	944.2	962.9	968.6	966.9
27.5°	944.2	958.8	979.1	985.6	984.0
30°	962.9	982.4	1004.3	1012.4	1010.8
32.5°	992.9	1017.3	1044.9	1052.2	1051.4
35°	1034.3	1070.9	1102.5	1098.5	1089.5
37.5°	1082.2	1136.6	1172.3	1134.2	1114.7
40°	1129.3	1203.2	1238.1	1176.4	1146.4
42.5°	1179.6	1255.1	1285.2	1225.1	1182.9
45°	1232.4	1276.3	1286.0	1255.1	1218.6
47.5°	1265.7	1243.0	1221.9	1240.5	1233.2
50°	1241.3	1165.0	1130.9	1166.7	1209.7
52.5°	1148.8	1092.8	1053.0	1086.3	1140.7
55°	1032.7	1018.1	971.8	1005.1	1031.9
57.5°	926.3	937.7	887.4	912.5	916.6
60°	826.5	834.6	790.8	811.9	805.4
62.5°	725.0	725.8	691.7	703.9	694.1
65°	617.8	612.1	582.9	591.9	582.1
67.5°	517.2	504.2	476.6	480.6	471.7
70°	418.9	403.5	377.5	383.2	378.3
72.5°	331.2	319.1	296.3	303.6	308.5
75°	260.6	250.9	233.8	241.1	252.5
77.5°	216.0	203.8	205.4	200.5	208.7
80°	177.8	170.5	177.0	172.1	169.7
82.5°	132.3	139.6	142.1	144.5	132.3
85°	87.7	100.7	105.5	102.3	89.3
87.5°	43.0	54.4	56.0	55.2	46.3
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	18.3	20.1	18.7	20.4	20.7	18.2	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	21.6	21.9
	6H	20.3	21.7	20.7	22.1	22.5	20.1	21.5	20.5	21.8	22.2
	8H	20.5	21.8	20.9	22.2	22.6	20.2	21.6	20.6	21.9	22.3
	12H	20.6	21.9	21.0	22.3	22.7	20.4	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	20.9
	3H	20.2	21.5	20.6	21.9	22.3	20.0	21.2	20.4	21.6	22.0
	4H	20.7	21.8	21.1	22.3	22.7	20.5	21.6	20.9	22.0	22.4
	6H	21.2	22.2	21.6	22.6	23.1	21.0	22.0	21.4	22.4	22.8
	8H	21.4	22.3	21.9	22.8	23.2	21.2	22.1	21.6	22.6	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	21.4	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	22.6	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	22.0	22.6	22.5	23.1	23.6
12H	4H	20.9	21.8	21.4	22.2	22.7	20.7	21.6	21.2	22.0	22.5
	6H	21.6	22.3	22.1	22.7	23.3	21.4	22.1	21.9	22.6	23.1
	8H	22.0	22.6	22.5	23.1	23.6	21.8	22.4	22.3	22.9	23.5















(END OF REPORT)