

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: P1526821

Luminaire Tested: 22CGTX-45-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526821
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

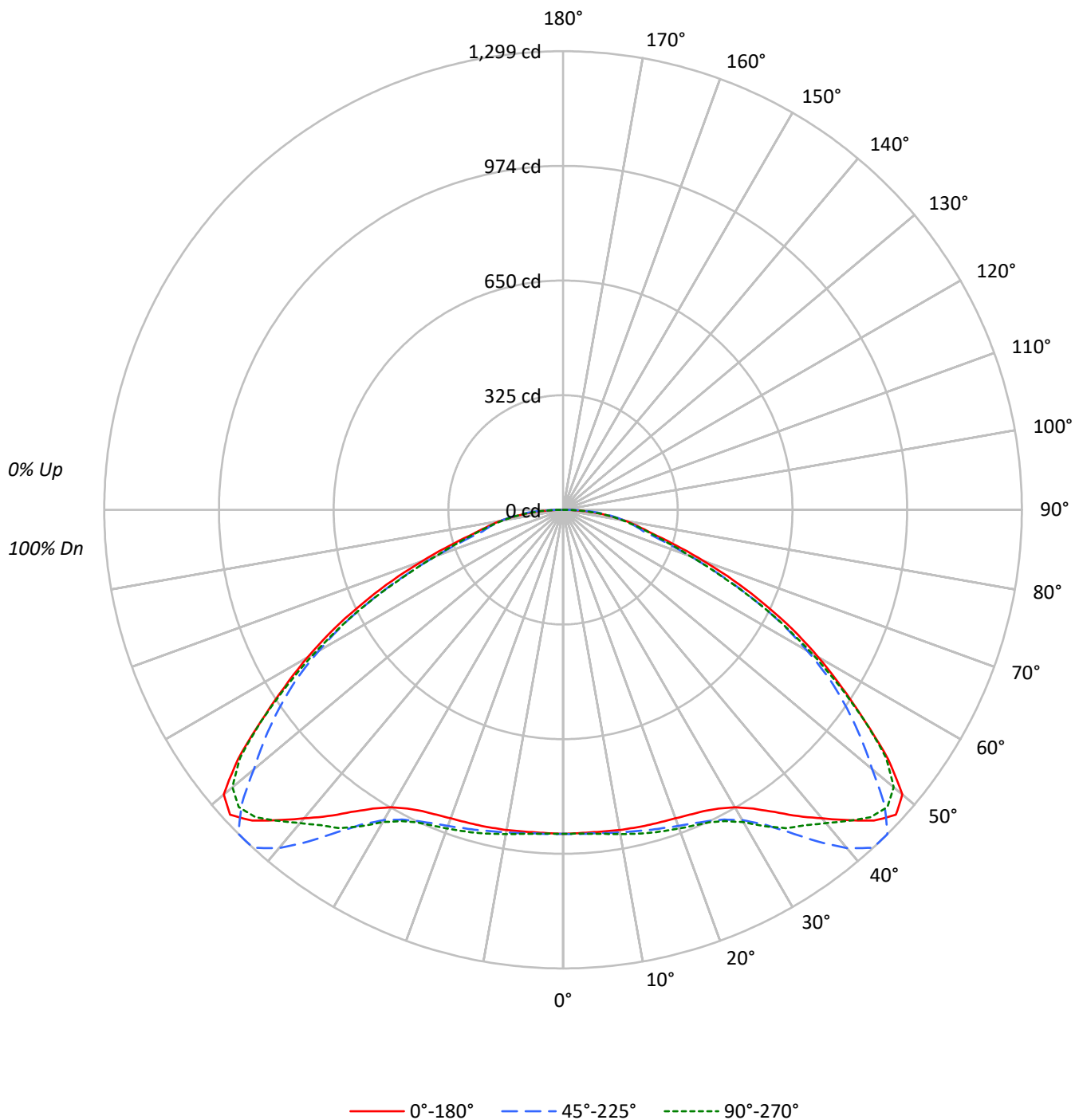
Lumens per Lamp: N/A
Luminaire Lumens: 4341.8 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2470	2470	2470
5°	2477	2485	2488
10°	2516	2534	2548
15°	2577	2616	2639
20°	2663	2729	2750
25°	2795	2888	2900
30°	3022	3152	3173
35°	3432	3659	3615
40°	4007	4393	4067
45°	4738	4943	4684
50°	5249	4783	5115
55°	4894	4605	4890
60°	4493	4299	4378
65°	3974	3749	3744
70°	3330	3000	3007
75°	2737	2456	2651
80°	2783	2771	2656
85°	2736	3291	2785

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	2.0
10°-20°	266.1	6.1
20°-30°	449.9	10.4
30°-40°	691.8	15.9
40°-50°	961.4	22.1
50°-60°	905.0	20.8
60°-70°	597.7	13.8
70°-80°	277.8	6.4
80°-90°	104.0	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°	804.1	18.5
0°-40°	1495.9	34.5
0°-60°	3362.3	77.4
0°-90°	4341.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4341.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	917	919	920	922	921	88
15°	925	929	939	946	947	262
25°	941	954	973	978	977	438
35°	1045	1082	1114	1110	1100	661
45°	1245	1289	1299	1268	1231	953
55°	1043	1028	982	1015	1042	935
65°	624	618	589	598	588	620
75°	263	253	236	244	255	295
85°	89	102	107	103	90	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.7	917.7	917.7	917.7	917.7
2.5°	916.8	918.5	919.3	920.1	917.7
5°	916.8	919.3	920.1	921.8	920.9
7.5°	918.5	920.9	923.4	925.0	925.9
10°	920.9	923.4	927.5	932.4	932.4
12.5°	922.6	926.7	932.4	939.0	939.8
15°	925.0	929.1	939.0	945.5	947.2
17.5°	926.7	933.2	944.7	952.9	953.7
20°	930.0	937.3	952.9	960.3	960.3
22.5°	934.9	944.7	961.1	967.7	967.7
25°	941.4	953.7	972.6	978.3	976.7
27.5°	953.7	968.5	989.0	995.6	993.9
30°	972.6	992.3	1014.4	1022.6	1021.0
32.5°	1002.9	1027.5	1055.4	1062.8	1062.0
35°	1044.8	1081.7	1113.7	1109.6	1100.5
37.5°	1093.2	1148.1	1184.2	1145.6	1126.0
40°	1140.7	1215.3	1250.6	1188.3	1157.9
42.5°	1191.6	1267.8	1298.2	1237.5	1194.8
45°	1244.9	1289.1	1299.0	1267.8	1230.9
47.5°	1278.5	1255.5	1234.2	1253.1	1245.7
50°	1253.9	1176.8	1142.4	1178.4	1221.9
52.5°	1160.4	1103.8	1063.6	1097.3	1152.2
55°	1043.1	1028.4	981.6	1015.2	1042.3
57.5°	935.7	947.2	896.3	921.8	925.9
60°	834.8	843.0	798.7	820.1	813.5
62.5°	732.3	733.1	698.7	711.0	701.2
65°	624.1	618.3	588.8	597.8	588.0
67.5°	522.4	509.3	481.4	485.5	476.5
70°	423.2	407.6	381.3	387.1	382.2
72.5°	334.6	322.3	299.3	306.7	311.6
75°	263.2	253.4	236.2	243.6	255.0
77.5°	218.1	205.8	207.5	202.6	210.8
80°	179.6	172.2	178.8	173.9	171.4
82.5°	133.7	141.1	143.5	146.0	133.7
85°	88.6	101.7	106.6	103.3	90.2
87.5°	43.5	54.9	56.6	55.8	46.7
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	18.4	20.1	18.7	20.4	20.7	18.2	19.9	18.6	20.3	20.6
	3H	19.6	21.2	20.0	21.5	21.9	19.4	20.9	19.7	21.3	21.6
	4H	20.0	21.5	20.4	21.9	22.2	19.7	21.2	20.1	21.6	22.0
	6H	20.4	21.8	20.8	22.1	22.5	20.1	21.5	20.5	21.9	22.2
	8H	20.5	21.9	20.9	22.2	22.6	20.3	21.6	20.7	22.0	22.4
	12H	20.6	21.9	21.1	22.3	22.7	20.4	21.7	20.8	22.0	22.5
4H	2H	18.8	20.3	19.2	20.7	21.0	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	20.7	21.9	21.2	22.3	22.7	20.5	21.6	20.9	22.0	22.5
	6H	21.2	22.2	21.7	22.7	23.1	21.0	22.0	21.4	22.4	22.9
	8H	21.4	22.4	21.9	22.8	23.3	21.2	22.2	21.7	22.6	23.1
	12H	21.6	22.5	22.1	22.9	23.4	21.4	22.3	21.9	22.7	23.2
8H	4H	20.9	21.9	21.4	22.3	22.8	20.7	21.6	21.2	22.1	22.5
	6H	21.5	22.3	22.0	22.8	23.3	21.3	22.1	21.8	22.6	23.1
	8H	21.9	22.6	22.4	23.1	23.5	21.7	22.4	22.2	22.9	23.4
	12H	22.2	22.8	22.7	23.3	23.8	22.0	22.6	22.5	23.1	23.7
12H	4H	21.0	21.8	21.4	22.3	22.7	20.7	21.6	21.2	22.1	22.5
	6H	21.6	22.3	22.1	22.8	23.3	21.4	22.1	21.9	22.6	23.1
	8H	22.0	22.6	22.5	23.1	23.7	21.8	22.4	22.3	22.9	23.5













(END OF REPORT)