

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: P1526811

Luminaire Tested: 22CGTX-35-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526811
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-35-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

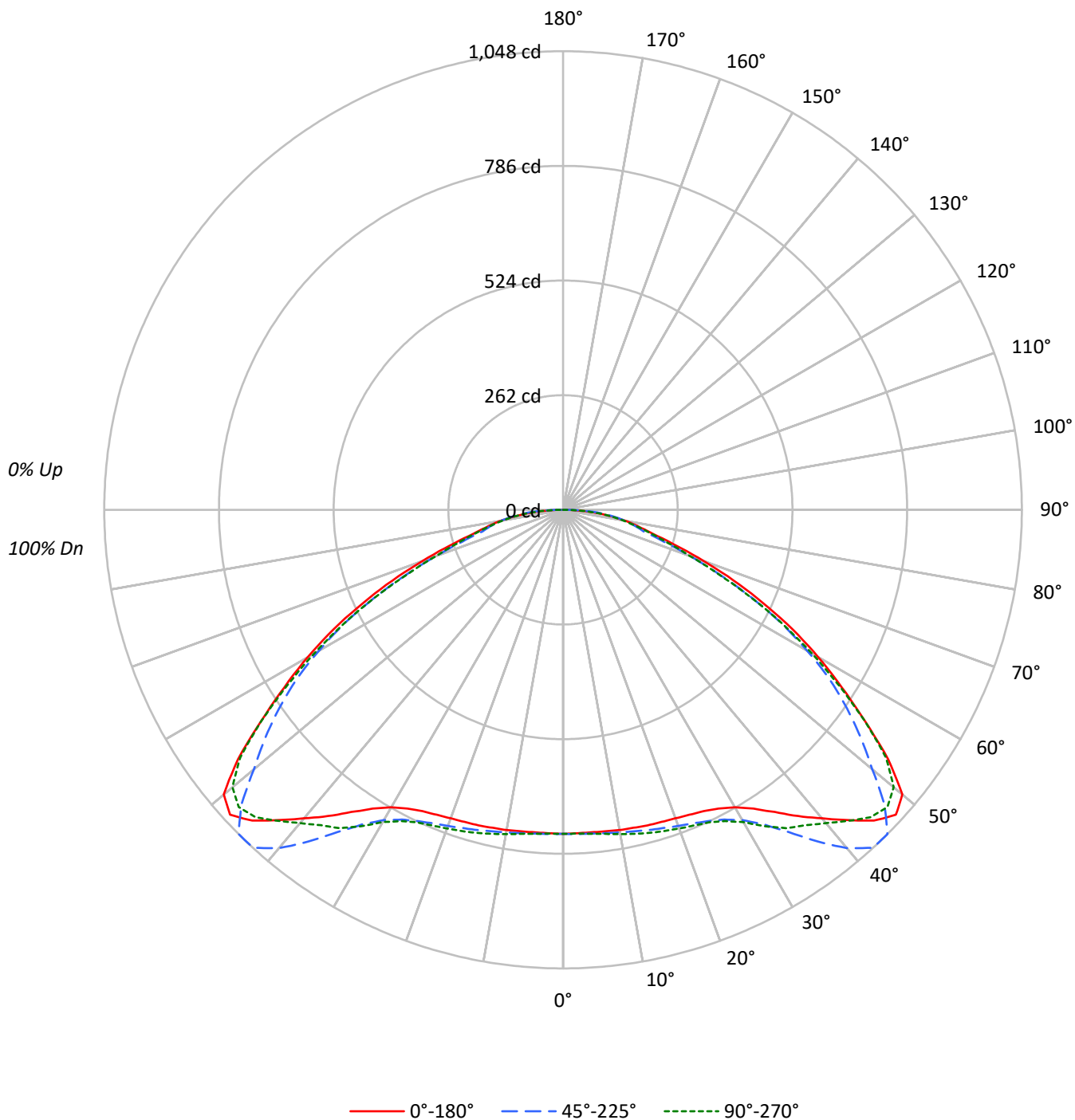
Lumens per Lamp: N/A
Luminaire Lumens: 3503.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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°	1992	1992	1992
5°	1998	2005	2007
10°	2030	2045	2056
15°	2079	2111	2129
20°	2149	2202	2219
25°	2255	2330	2340
30°	2438	2543	2559
35°	2769	2952	2917
40°	3233	3544	3282
45°	3822	3988	3779
50°	4235	3859	4127
55°	3948	3716	3945
60°	3625	3468	3532
65°	3206	3025	3021
70°	2686	2421	2426
75°	2208	1982	2140
80°	2245	2235	2143
85°	2208	2655	2248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	2.0
10°-20°	214.7	6.1
20°-30°	363.0	10.4
30°-40°	558.1	15.9
40°-50°	775.7	22.1
50°-60°	730.2	20.8
60°-70°	482.2	13.8
70°-80°	224.1	6.4
80°-90°	83.9	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°	648.7	18.5
0°-40°	1206.9	34.5
0°-60°	2712.8	77.4
0°-90°	3503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	740	742	742	744	743	71
15°	746	750	758	763	764	212
25°	760	770	785	789	788	353
35°	843	873	898	895	888	534
45°	1004	1040	1048	1023	993	769
55°	842	830	792	819	841	754
65°	504	499	475	482	474	500
75°	212	204	191	196	206	238
85°	72	82	86	83	73	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	740.4	740.4	740.4	740.4	740.4
2.5°	739.7	741.0	741.7	742.4	740.4
5°	739.7	741.7	742.4	743.7	743.0
7.5°	741.0	743.0	745.0	746.3	747.0
10°	743.0	745.0	748.3	752.3	752.3
12.5°	744.3	747.7	752.3	757.6	758.2
15°	746.3	749.6	757.6	762.9	764.2
17.5°	747.7	752.9	762.2	768.8	769.5
20°	750.3	756.3	768.8	774.8	774.8
22.5°	754.3	762.2	775.4	780.7	780.7
25°	759.6	769.5	784.7	789.3	788.0
27.5°	769.5	781.4	797.9	803.2	801.9
30°	784.7	800.6	818.4	825.1	823.7
32.5°	809.2	829.0	851.5	857.5	856.8
35°	842.9	872.7	898.5	895.2	887.9
37.5°	882.0	926.3	955.4	924.3	908.4
40°	920.3	980.5	1009.0	958.7	934.2
42.5°	961.4	1022.9	1047.4	998.4	964.0
45°	1004.4	1040.1	1048.0	1022.9	993.1
47.5°	1031.5	1013.0	995.8	1011.0	1005.0
50°	1011.6	949.4	921.7	950.8	985.8
52.5°	936.2	890.6	858.1	885.3	929.6
55°	841.6	829.7	792.0	819.1	840.9
57.5°	754.9	764.2	723.2	743.7	747.0
60°	673.5	680.2	644.4	661.6	656.3
62.5°	590.8	591.5	563.7	573.6	565.7
65°	503.5	498.9	475.1	482.3	474.4
67.5°	421.5	410.9	388.4	391.7	384.4
70°	341.4	328.8	307.7	312.3	308.3
72.5°	269.9	260.0	241.5	247.5	251.4
75°	212.4	204.4	190.6	196.5	205.8
77.5°	176.0	166.1	167.4	163.4	170.0
80°	144.9	138.9	144.2	140.3	138.3
82.5°	107.8	113.8	115.8	117.8	107.8
85°	71.5	82.0	86.0	83.4	72.8
87.5°	35.1	44.3	45.7	45.0	37.7
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	17.6	19.4	18.0	19.7	20.0	17.5	19.2	17.8	19.5	19.8
	3H	18.9	20.5	19.3	20.8	21.2	18.6	20.2	19.0	20.5	20.9
	4H	19.3	20.8	19.7	21.1	21.5	19.0	20.5	19.4	20.8	21.2
	6H	19.6	21.0	20.0	21.4	21.8	19.4	20.7	19.8	21.1	21.5
	8H	19.8	21.1	20.2	21.5	21.9	19.5	20.8	19.9	21.2	21.6
	12H	19.9	21.2	20.3	21.6	22.0	19.6	20.9	20.1	21.3	21.7
4H	2H	18.1	19.6	18.5	19.9	20.3	17.9	19.4	18.3	19.8	20.1
	3H	19.5	20.8	19.9	21.2	21.6	19.3	20.5	19.7	20.9	21.3
	4H	20.0	21.1	20.4	21.5	22.0	19.8	20.9	20.2	21.3	21.7
	6H	20.5	21.5	20.9	21.9	22.4	20.2	21.2	20.7	21.7	22.1
	8H	20.7	21.6	21.2	22.1	22.5	20.5	21.4	20.9	21.8	22.3
	12H	20.9	21.7	21.4	22.2	22.7	20.7	21.5	21.2	22.0	22.5
8H	4H	20.2	21.1	20.6	21.6	22.0	20.0	20.9	20.4	21.3	21.8
	6H	20.8	21.6	21.3	22.1	22.5	20.6	21.4	21.1	21.9	22.3
	8H	21.1	21.8	21.6	22.3	22.8	20.9	21.6	21.4	22.1	22.6
	12H	21.4	22.0	21.9	22.5	23.1	21.3	21.9	21.8	22.4	22.9
12H	4H	20.2	21.1	20.7	21.5	22.0	20.0	20.8	20.5	21.3	21.8
	6H	20.9	21.6	21.4	22.0	22.6	20.7	21.4	21.2	21.8	22.4
	8H	21.2	21.9	21.7	22.4	22.9	21.1	21.7	21.6	22.2	22.7















(END OF REPORT)