

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: P1526812

Luminaire Tested: 22CGTX-35-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526812
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

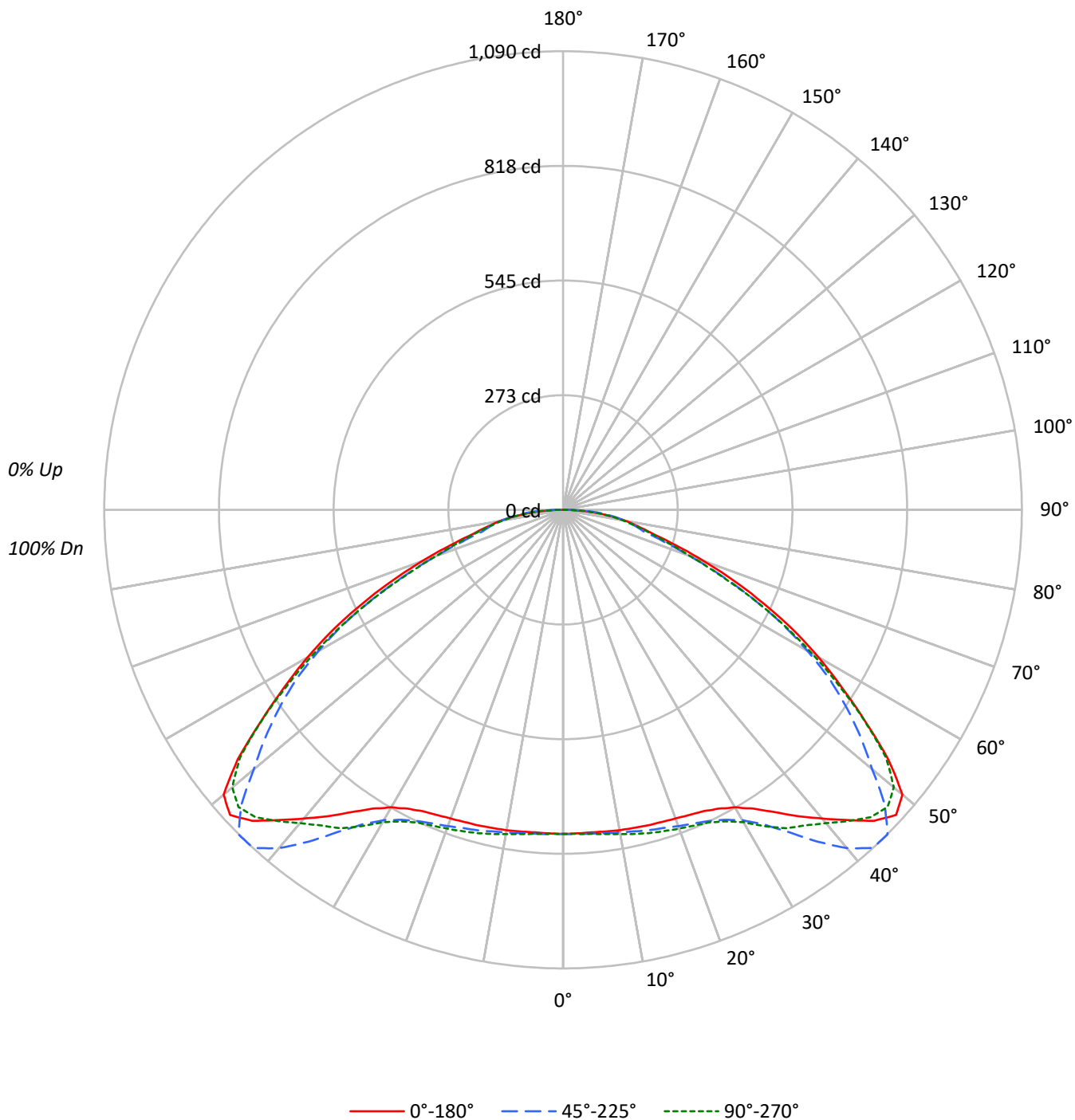
Lumens per Lamp: N/A
Luminaire Lumens: 3644.5 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	2073	2073	2073
5°	2079	2086	2088
10°	2112	2127	2139
15°	2163	2196	2215
20°	2235	2291	2308
25°	2346	2424	2434
30°	2537	2646	2663
35°	2881	3071	3035
40°	3364	3688	3414
45°	3976	4150	3932
50°	4406	4014	4294
55°	4108	3866	4105
60°	3772	3609	3675
65°	3335	3147	3143
70°	2795	2519	2524
75°	2298	2062	2226
80°	2337	2326	2230
85°	2294	2763	2337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	2.0
10°-20°	223.4	6.1
20°-30°	377.7	10.4
30°-40°	580.7	15.9
40°-50°	807.0	22.1
50°-60°	759.7	20.8
60°-70°	501.7	13.8
70°-80°	233.2	6.4
80°-90°	87.3	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°	674.9	18.5
0°-40°	1255.6	34.5
0°-60°	2822.4	77.4
0°-90°	3644.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3644.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	770	772	772	774	773	74
15°	776	780	788	794	795	220
25°	790	801	816	821	820	368
35°	877	908	935	931	924	555
45°	1045	1082	1090	1064	1033	800
55°	876	863	824	852	875	785
65°	524	519	494	502	494	520
75°	221	213	198	204	214	247
85°	74	85	90	87	76	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.3	770.3	770.3	770.3	770.3
2.5°	769.6	771.0	771.7	772.4	770.3
5°	769.6	771.7	772.4	773.7	773.0
7.5°	771.0	773.0	775.1	776.5	777.2
10°	773.0	775.1	778.5	782.7	782.7
12.5°	774.4	777.9	782.7	788.2	788.9
15°	776.5	779.9	788.2	793.7	795.1
17.5°	777.9	783.4	793.0	799.9	800.6
20°	780.6	786.8	799.9	806.1	806.1
22.5°	784.7	793.0	806.8	812.3	812.3
25°	790.2	800.6	816.4	821.2	819.8
27.5°	800.6	813.0	830.2	835.7	834.3
30°	816.4	832.9	851.5	858.4	857.0
32.5°	841.9	862.5	885.9	892.1	891.4
35°	877.0	908.0	934.8	931.4	923.8
37.5°	917.6	963.7	994.0	961.7	945.1
40°	957.5	1020.2	1049.8	997.4	972.0
42.5°	1000.2	1064.2	1089.7	1038.8	1003.0
45°	1044.9	1082.1	1090.4	1064.2	1033.2
47.5°	1073.2	1053.9	1036.0	1051.8	1045.6
50°	1052.5	987.8	958.9	989.2	1025.7
52.5°	974.0	926.5	892.8	921.0	967.2
55°	875.6	863.2	824.0	852.2	874.9
57.5°	785.4	795.1	752.4	773.7	777.2
60°	700.8	707.6	670.5	688.4	682.9
62.5°	614.7	615.4	586.5	596.8	588.6
65°	523.8	519.0	494.2	501.8	493.6
67.5°	438.5	427.5	404.1	407.5	399.9
70°	355.2	342.1	320.1	324.9	320.8
72.5°	280.9	270.5	251.3	257.5	261.6
75°	221.0	212.7	198.3	204.4	214.1
77.5°	183.1	172.8	174.2	170.0	176.9
80°	150.8	144.6	150.1	145.9	143.9
82.5°	112.2	118.4	120.5	122.5	112.2
85°	74.3	85.4	89.5	86.7	75.7
87.5°	36.5	46.1	47.5	46.8	39.2
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	17.8	19.5	18.1	19.8	20.1	17.6	19.3	18.0	19.7	20.0
	3H	19.0	20.6	19.4	20.9	21.3	18.8	20.3	19.1	20.7	21.0
	4H	19.4	20.9	19.8	21.3	21.6	19.1	20.6	19.5	21.0	21.4
	6H	19.8	21.2	20.2	21.5	21.9	19.5	20.9	19.9	21.2	21.6
	8H	19.9	21.2	20.3	21.6	22.0	19.7	21.0	20.1	21.4	21.8
	12H	20.0	21.3	20.5	21.7	22.1	19.8	21.1	20.2	21.4	21.9
4H	2H	18.2	19.7	18.6	20.0	20.4	18.1	19.6	18.5	19.9	20.3
	3H	19.6	20.9	20.1	21.3	21.7	19.4	20.7	19.8	21.1	21.5
	4H	20.1	21.3	20.6	21.7	22.1	19.9	21.0	20.3	21.4	21.9
	6H	20.6	21.6	21.1	22.1	22.5	20.4	21.4	20.8	21.8	22.3
	8H	20.8	21.8	21.3	22.2	22.7	20.6	21.5	21.1	22.0	22.5
	12H	21.0	21.9	21.5	22.3	22.8	20.8	21.7	21.3	22.1	22.6
8H	4H	20.3	21.3	20.8	21.7	22.2	20.1	21.0	20.6	21.5	21.9
	6H	20.9	21.7	21.4	22.2	22.7	20.7	21.5	21.2	22.0	22.5
	8H	21.2	21.9	21.8	22.5	22.9	21.1	21.8	21.6	22.3	22.8
	12H	21.5	22.2	22.0	22.7	23.2	21.4	22.0	21.9	22.5	23.1
12H	4H	20.4	21.2	20.8	21.7	22.1	20.1	21.0	20.6	21.4	21.9
	6H	21.0	21.7	21.5	22.2	22.7	20.8	21.5	21.3	22.0	22.5
	8H	21.4	22.0	21.9	22.5	23.1	21.2	21.8	21.7	22.3	22.9













(END OF REPORT)