

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: P1526878

Luminaire Tested: 24CGTX-35-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-35-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

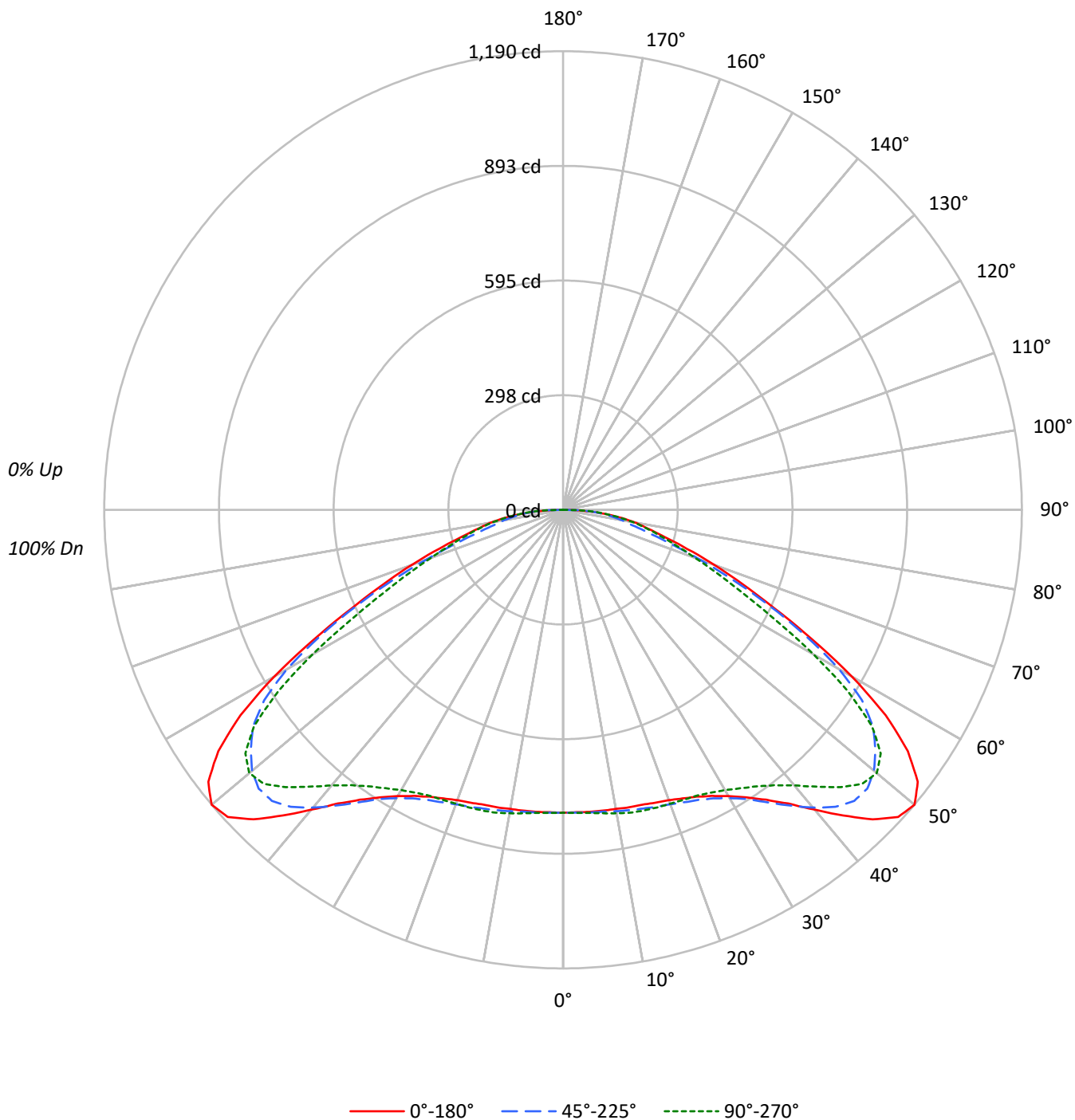
Lumens per Lamp: N/A
Luminaire Lumens: 3923.3 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1057	1057	1057
5°	1062	1064	1066
10°	1077	1085	1092
15°	1103	1117	1125
20°	1148	1164	1162
25°	1219	1233	1215
30°	1332	1341	1304
35°	1509	1522	1438
40°	1784	1772	1639
45°	2161	2032	1936
50°	2491	2204	2224
55°	2561	2303	2295
60°	2327	2225	2020
65°	1925	1890	1648
70°	1644	1480	1432
75°	1423	1180	1356
80°	1474	1195	1426
85°	1490	1437	1584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2563 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	1.9
10°-20°	227.5	5.8
20°-30°	384.2	9.8
30°-40°	578.4	14.7
40°-50°	822.5	21.0
50°-60°	882.7	22.5
60°-70°	575.3	14.7
70°-80°	276.6	7.0
80°-90°	100.7	2.6
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°	687.1	17.5
0°-40°	1265.6	32.3
0°-60°	2970.8	75.7
0°-90°	3923.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3923.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	787	787	788	791	789	75
15°	792	796	802	807	808	225
25°	821	829	831	823	818	382
35°	918	936	927	895	876	583
45°	1136	1108	1068	1040	1018	872
55°	1092	1064	982	953	978	955
65°	605	600	594	530	518	612
75°	274	259	227	258	261	301
85°	96	90	93	96	103	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.9	785.9	785.9	785.9	785.9
2.5°	785.3	785.9	786.6	787.3	787.3
5°	786.6	787.3	788.0	790.7	789.3
7.5°	787.3	788.0	790.0	794.1	794.1
10°	788.0	790.0	794.1	798.2	799.5
12.5°	790.7	792.7	798.2	803.6	805.0
15°	792.1	796.1	802.2	807.0	807.7
17.5°	796.8	800.9	807.7	809.7	809.7
20°	801.6	807.0	813.1	813.1	811.8
22.5°	810.4	816.5	821.3	817.2	814.5
25°	821.3	828.7	830.8	823.3	818.5
27.5°	836.9	846.4	843.7	833.5	827.4
30°	857.3	869.5	863.4	848.4	839.6
32.5°	884.4	899.4	889.2	870.2	856.6
35°	918.4	936.1	926.6	895.3	875.6
37.5°	960.5	978.9	967.3	927.2	900.7
40°	1015.5	1025.1	1008.7	965.3	933.3
42.5°	1075.3	1070.6	1045.4	1005.4	974.1
45°	1135.8	1107.9	1067.8	1040.0	1017.6
47.5°	1179.3	1127.6	1070.6	1056.3	1052.2
50°	1190.1	1123.5	1052.9	1047.5	1062.4
52.5°	1159.6	1101.8	1021.0	1011.5	1038.6
55°	1091.6	1063.8	981.6	953.0	978.2
57.5°	991.8	989.7	919.1	868.1	874.9
60°	864.7	872.9	826.7	754.7	750.6
62.5°	727.5	732.3	711.9	637.2	622.9
65°	604.6	599.8	593.7	529.8	517.6
67.5°	503.4	489.1	479.6	440.9	434.7
70°	417.8	395.3	376.3	370.2	364.1
72.5°	338.3	322.0	291.4	308.4	307.7
75°	273.8	258.8	226.9	258.1	260.8
77.5°	224.2	214.0	183.4	211.9	220.8
80°	190.2	169.1	154.2	172.5	184.1
82.5°	145.4	129.1	125.7	133.1	144.0
85°	96.5	90.3	93.1	95.8	102.6
87.5°	48.9	52.3	56.4	61.1	64.5
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	16.6	18.4	17.0	18.7	19.0	15.7	17.5	16.0	17.8	18.1
	3H	17.7	19.3	18.1	19.6	20.0	16.8	18.4	17.2	18.8	19.1
	4H	18.1	19.6	18.5	20.0	20.3	17.3	18.8	17.7	19.1	19.5
	6H	18.4	19.9	18.9	20.2	20.6	17.7	19.1	18.1	19.5	19.9
	8H	18.6	20.0	19.0	20.3	20.7	17.9	19.3	18.3	19.7	20.1
	12H	18.7	20.0	19.2	20.4	20.8	18.1	19.4	18.5	19.8	20.2
4H	2H	17.0	18.5	17.4	18.9	19.2	16.2	17.8	16.6	18.1	18.5
	3H	18.3	19.6	18.7	20.0	20.4	17.6	18.8	18.0	19.2	19.6
	4H	18.8	19.9	19.2	20.4	20.8	18.1	19.3	18.6	19.7	20.1
	6H	19.3	20.3	19.7	20.7	21.2	18.7	19.7	19.2	20.2	20.6
	8H	19.5	20.4	20.0	20.9	21.4	19.0	19.9	19.4	20.4	20.8
	12H	19.7	20.6	20.2	21.0	21.5	19.2	20.1	19.7	20.6	21.0
8H	4H	18.9	19.9	19.4	20.3	20.8	18.4	19.3	18.8	19.7	20.2
	6H	19.5	20.3	20.0	20.8	21.3	19.1	19.9	19.5	20.3	20.8
	8H	19.8	20.6	20.3	21.1	21.5	19.4	20.1	19.9	20.6	21.1
	12H	20.1	20.8	20.6	21.3	21.8	19.8	20.4	20.3	20.9	21.4
12H	4H	19.0	19.8	19.4	20.3	20.8	18.4	19.3	18.9	19.7	20.2
	6H	19.6	20.3	20.1	20.8	21.3	19.1	19.9	19.6	20.3	20.8
	8H	19.9	20.6	20.5	21.1	21.6	19.5	20.2	20.0	20.7	21.2















(END OF REPORT)