

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: P1526813

Luminaire Tested: 22CGTX-35-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526813
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

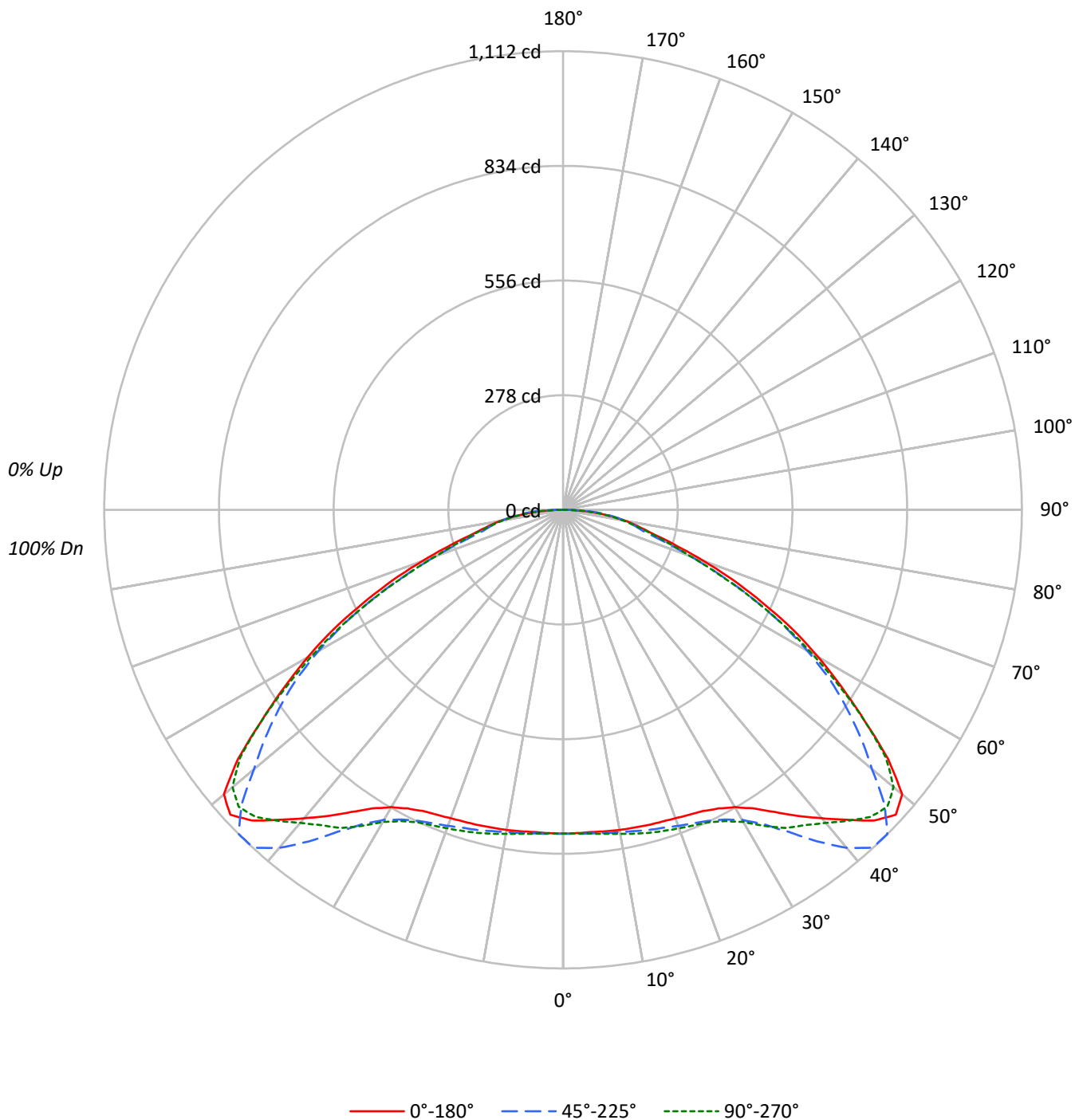
Lumens per Lamp: N/A
Luminaire Lumens: 3715.3 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2113	2113	2113
5°	2119	2127	2129
10°	2153	2169	2180
15°	2205	2238	2258
20°	2279	2335	2353
25°	2392	2471	2482
30°	2586	2697	2715
35°	2937	3131	3094
40°	3429	3759	3481
45°	4054	4230	4008
50°	4492	4092	4377
55°	4188	3941	4184
60°	3845	3679	3746
65°	3400	3208	3203
70°	2849	2567	2573
75°	2342	2101	2269
80°	2382	2371	2273
85°	2340	2816	2384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	2.0
10°-20°	227.7	6.1
20°-30°	385.0	10.4
30°-40°	592.0	15.9
40°-50°	822.7	22.1
50°-60°	774.5	20.8
60°-70°	511.5	13.8
70°-80°	237.7	6.4
80°-90°	89.0	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°	688.1	18.5
0°-40°	1280.0	34.5
0°-60°	2877.2	77.4
0°-90°	3715.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3715.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	784	787	787	789	788	75
15°	792	795	804	809	810	224
25°	806	816	832	837	836	375
35°	894	926	953	949	942	566
45°	1065	1103	1112	1085	1053	815
55°	893	880	840	869	892	800
65°	534	529	504	512	503	530
75°	225	217	202	208	218	252
85°	76	87	91	88	77	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.2	785.2	785.2	785.2	785.2
2.5°	784.5	785.9	786.6	787.3	785.2
5°	784.5	786.6	787.3	788.8	788.1
7.5°	785.9	788.1	790.2	791.6	792.3
10°	788.1	790.2	793.7	797.9	797.9
12.5°	789.5	793.0	797.9	803.5	804.2
15°	791.6	795.1	803.5	809.1	810.5
17.5°	793.0	798.6	808.4	815.4	816.1
20°	795.8	802.1	815.4	821.7	821.7
22.5°	800.0	808.4	822.4	828.0	828.0
25°	805.6	816.1	832.3	837.2	835.8
27.5°	816.1	828.8	846.3	851.9	850.5
30°	832.3	849.1	868.0	875.1	873.7
32.5°	858.2	879.3	903.1	909.5	908.7
35°	894.0	925.6	953.0	949.4	941.7
37.5°	935.4	982.4	1013.3	980.3	963.5
40°	976.1	1040.0	1070.1	1016.8	990.9
42.5°	1019.6	1084.9	1110.8	1058.9	1022.4
45°	1065.2	1103.1	1111.6	1084.9	1053.3
47.5°	1094.0	1074.4	1056.1	1072.3	1065.9
50°	1073.0	1007.0	977.5	1008.4	1045.6
52.5°	993.0	944.5	910.2	938.9	985.9
55°	892.6	880.0	840.0	868.8	891.9
57.5°	800.7	810.5	767.0	788.8	792.3
60°	714.4	721.4	683.5	701.7	696.1
62.5°	626.7	627.4	597.9	608.4	600.0
65°	534.0	529.1	503.8	511.6	503.1
67.5°	447.0	435.8	411.9	415.4	407.7
70°	362.1	348.8	326.3	331.2	327.0
72.5°	286.3	275.8	256.1	262.4	266.7
75°	225.3	216.8	202.1	208.4	218.2
77.5°	186.7	176.1	177.5	173.3	180.3
80°	153.7	147.4	153.0	148.8	146.7
82.5°	114.4	120.7	122.8	124.9	114.4
85°	75.8	87.0	91.2	88.4	77.2
87.5°	37.2	47.0	48.4	47.7	40.0
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	19.6	18.2	19.9	20.2	17.7	19.4	18.0	19.7	20.0
	3H	19.1	20.7	19.5	21.0	21.4	18.8	20.4	19.2	20.7	21.1
	4H	19.5	21.0	19.9	21.3	21.7	19.2	20.7	19.6	21.0	21.4
	6H	19.8	21.2	20.2	21.6	22.0	19.6	20.9	20.0	21.3	21.7
	8H	20.0	21.3	20.4	21.7	22.1	19.7	21.0	20.1	21.4	21.8
	12H	20.1	21.4	20.5	21.8	22.2	19.9	21.1	20.3	21.5	21.9
4H	2H	18.3	19.8	18.7	20.1	20.5	18.1	19.6	18.5	20.0	20.3
	3H	19.7	21.0	20.1	21.4	21.8	19.5	20.7	19.9	21.1	21.5
	4H	20.2	21.3	20.6	21.8	22.2	20.0	21.1	20.4	21.5	21.9
	6H	20.7	21.7	21.1	22.1	22.6	20.5	21.4	20.9	21.9	22.3
	8H	20.9	21.8	21.4	22.3	22.7	20.7	21.6	21.1	22.1	22.5
	12H	21.1	21.9	21.6	22.4	22.9	20.9	21.7	21.4	22.2	22.7
8H	4H	20.4	21.3	20.9	21.8	22.2	20.2	21.1	20.6	21.5	22.0
	6H	21.0	21.8	21.5	22.3	22.7	20.8	21.6	21.3	22.1	22.5
	8H	21.3	22.0	21.8	22.5	23.0	21.1	21.8	21.6	22.3	22.8
	12H	21.6	22.2	22.1	22.7	23.3	21.5	22.1	22.0	22.6	23.1
12H	4H	20.4	21.3	20.9	21.7	22.2	20.2	21.0	20.7	21.5	22.0
	6H	21.1	21.8	21.6	22.2	22.8	20.9	21.6	21.4	22.0	22.6
	8H	21.4	22.1	22.0	22.6	23.1	21.3	21.9	21.8	22.4	22.9













(END OF REPORT)