

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: P1526765

Luminaire Tested: 14CGTX-42-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-42-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

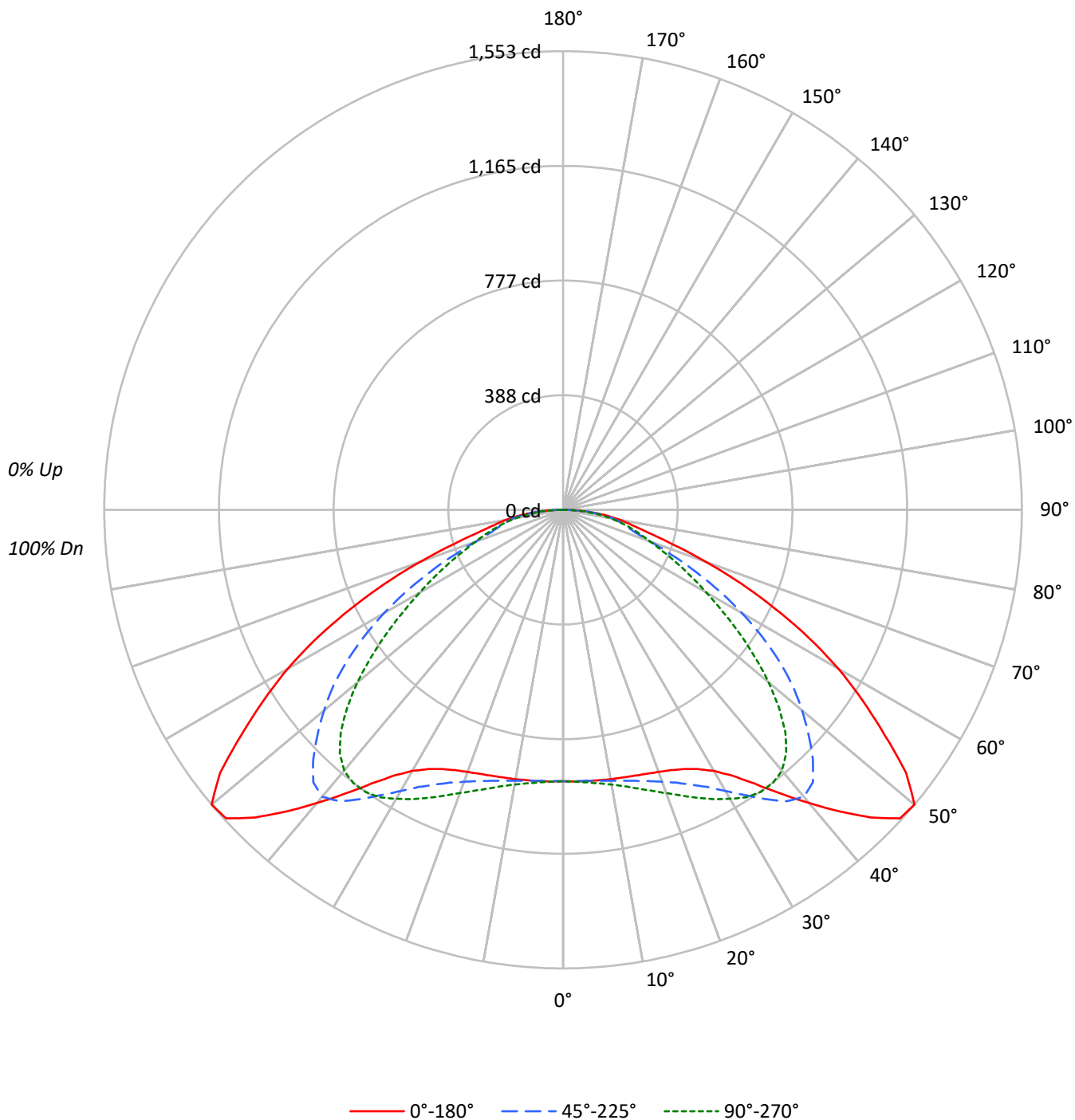
Lumens per Lamp: N/A
Luminaire Lumens: 4303.7 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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

TEST NUMBER: P1526765

CATALOG NUMBER: 14CGTX-42-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526765

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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	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	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47			
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39			
6	67	53	44	37	65	52	43	37	50	42	36	49	42	36	47	41	36	34			
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2473	2473	2473
5°	2491	2488	2502
10°	2531	2544	2581
15°	2597	2647	2722
20°	2705	2806	2923
25°	2874	3047	3195
30°	3171	3415	3510
35°	3718	3929	3830
40°	4551	4455	4049
45°	5605	4552	4048
50°	6500	4420	3803
55°	6236	4191	3420
60°	5794	3760	3011
65°	5047	3150	2698
70°	4037	2476	2476
75°	3097	2348	2458
80°	3040	2710	2503
85°	3054	3004	2452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6500 cd/sqm

TEST NUMBER: P1526765

CATALOG NUMBER: 14CGTX-42-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	2.1
10°-20°	271.2	6.3
20°-30°	477.4	11.1
30°-40°	739.6	17.2
40°-50°	942.2	21.9
50°-60°	857.2	19.9
60°-70°	555.9	12.9
70°-80°	270.4	6.3
80°-90°	101.3	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°	837.1	19.5
0°-40°	1576.7	36.6
0°-60°	3376.1	78.4
0°-90°	4303.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4303.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	922	923	921	923	926	88
15°	932	938	950	968	977	265
25°	968	988	1026	1062	1076	452
35°	1132	1181	1196	1177	1166	721
45°	1473	1382	1196	1092	1064	1131
55°	1329	1166	893	770	729	1187
65°	793	702	495	429	424	785
75°	298	273	226	215	236	338
85°	99	108	97	89	79	107
90°	0	0	0	0	0	

TEST NUMBER: P1526765

CATALOG NUMBER: 14CGTX-42-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	918.9	918.9	918.9	918.9	918.9
2.5°	920.6	921.7	918.9	919.4	921.1
5°	922.2	923.4	921.1	922.8	926.2
7.5°	923.4	925.6	925.6	929.5	934.0
10°	926.2	928.4	931.2	939.0	944.6
12.5°	928.4	932.3	939.0	951.9	958.0
15°	932.3	938.5	950.2	968.1	977.0
17.5°	937.3	946.3	963.0	986.5	997.1
20°	944.6	956.3	979.8	1007.8	1020.6
22.5°	954.1	969.8	999.9	1032.9	1046.9
25°	968.1	988.2	1026.2	1062.5	1076.0
27.5°	989.3	1014.5	1058.1	1094.4	1104.5
30°	1020.6	1051.9	1098.9	1124.0	1129.6
32.5°	1067.0	1107.3	1144.7	1153.1	1154.2
35°	1131.8	1181.0	1196.1	1176.6	1165.9
37.5°	1211.2	1266.0	1243.6	1185.5	1166.5
40°	1295.6	1340.3	1268.2	1178.2	1152.5
42.5°	1385.0	1382.8	1251.5	1146.4	1118.4
45°	1472.8	1382.2	1196.1	1091.6	1063.7
47.5°	1546.6	1340.3	1127.4	1024.0	991.0
50°	1552.7	1285.6	1055.8	941.8	908.3
52.5°	1463.3	1231.3	980.4	856.8	818.3
55°	1329.2	1165.9	893.2	769.7	728.9
57.5°	1202.3	1080.4	798.2	679.7	639.4
60°	1076.5	970.3	698.7	592.5	559.5
62.5°	937.3	842.3	596.9	505.8	488.5
65°	792.6	702.0	494.7	428.7	423.7
67.5°	652.3	569.0	396.8	356.0	362.2
70°	513.1	449.4	314.7	305.2	314.7
72.5°	390.1	354.4	256.0	258.2	273.9
75°	297.9	272.8	225.8	215.2	236.4
77.5°	238.7	222.5	200.1	184.4	200.1
80°	196.2	192.3	174.9	156.5	161.5
82.5°	148.1	150.9	137.5	128.0	121.8
85°	98.9	107.9	97.3	88.9	79.4
87.5°	49.7	60.4	51.4	45.8	40.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526765

CATALOG NUMBER: 14CGTX-42-A125-L850

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	19.5	21.2	19.9	21.5	21.9	16.1	17.8	16.4	18.1	18.4
	3H	20.8	22.3	21.2	22.7	23.0	17.3	18.9	17.7	19.2	19.6
	4H	21.1	22.6	21.5	23.0	23.3	17.9	19.4	18.3	19.7	20.1
	6H	21.4	22.8	21.9	23.2	23.6	18.5	19.8	18.9	20.2	20.6
	8H	21.6	22.9	22.0	23.3	23.7	18.7	20.0	19.1	20.4	20.8
	12H	21.7	22.9	22.1	23.3	23.7	18.9	20.1	19.3	20.5	20.9
4H	2H	19.7	21.1	20.1	21.5	21.9	16.7	18.2	17.1	18.5	18.9
	3H	21.1	22.4	21.5	22.8	23.2	18.2	19.4	18.6	19.8	20.2
	4H	21.6	22.7	22.0	23.1	23.6	18.8	20.0	19.3	20.4	20.8
	6H	22.1	23.0	22.5	23.5	23.9	19.5	20.5	20.0	20.9	21.4
	8H	22.3	23.2	22.7	23.6	24.1	19.8	20.7	20.3	21.2	21.6
	12H	22.4	23.3	22.9	23.7	24.2	20.1	20.9	20.5	21.4	21.8
8H	4H	21.7	22.6	22.2	23.1	23.5	19.2	20.1	19.6	20.5	21.0
	6H	22.3	23.1	22.8	23.5	24.0	20.0	20.8	20.5	21.3	21.7
	8H	22.6	23.3	23.1	23.8	24.3	20.4	21.1	20.9	21.6	22.1
	12H	22.9	23.5	23.4	24.0	24.5	20.8	21.4	21.3	21.9	22.5
12H	4H	21.7	22.6	22.2	23.0	23.5	19.3	20.1	19.7	20.6	21.0
	6H	22.3	23.0	22.9	23.5	24.0	20.2	20.9	20.7	21.3	21.8
	8H	22.7	23.3	23.2	23.8	24.3	20.6	21.2	21.1	21.7	22.3













(END OF REPORT)