

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: P1526857

Luminaire Tested: 24CGTX-20-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526857
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-20-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

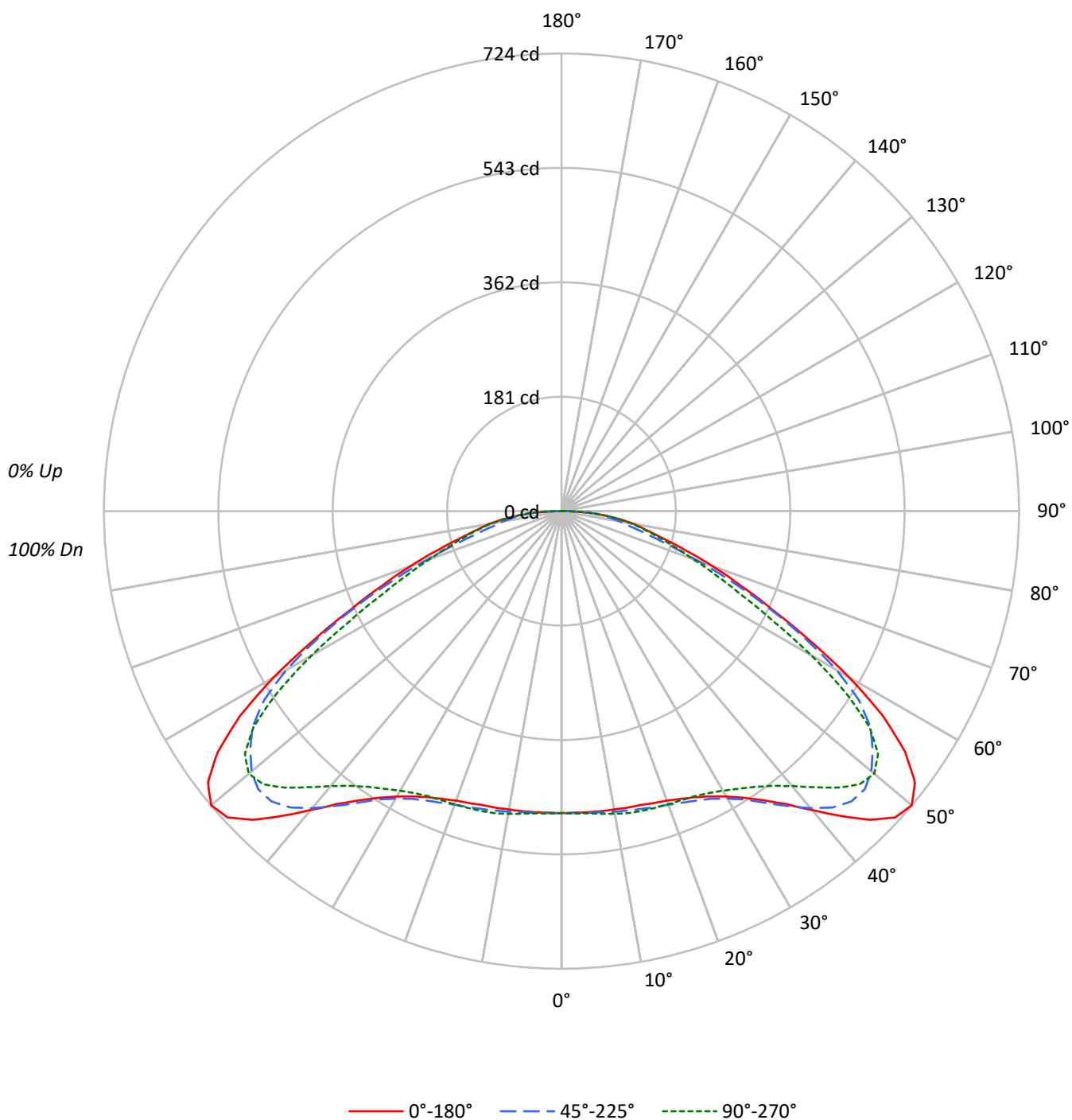
Lumens per Lamp: N/A
Luminaire Lumens: 2385.2 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1526857

CATALOG NUMBER: 24CGTX-20-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526857

CATALOG NUMBER: 24CGTX-20-A125-L850

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	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°	643	643	643
5°	646	647	648
10°	655	660	664
15°	671	679	684
20°	698	708	707
25°	741	750	739
30°	810	816	793
35°	917	925	874
40°	1084	1077	997
45°	1314	1235	1177
50°	1515	1340	1352
55°	1557	1400	1395
60°	1415	1352	1228
65°	1170	1149	1002
70°	999	900	871
75°	865	717	824
80°	896	726	867
85°	905	874	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1558 cd/sqm

TEST NUMBER: P1526857

CATALOG NUMBER: 24CGTX-20-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.9
10°-20°	138.3	5.8
20°-30°	233.6	9.8
30°-40°	351.7	14.7
40°-50°	500.1	21.0
50°-60°	536.7	22.5
60°-70°	349.7	14.7
70°-80°	168.2	7.1
80°-90°	61.2	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°	417.8	17.5
0°-40°	769.4	32.3
0°-60°	1806.1	75.7
0°-90°	2385.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2385.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	478	479	479	481	480	46
15°	482	484	488	491	491	137
25°	499	504	505	500	498	232
35°	558	569	563	544	532	354
45°	690	674	649	632	619	530
55°	664	647	597	579	595	581
65°	368	365	361	322	315	372
75°	166	157	138	157	159	183
85°	59	55	57	58	62	64
90°	0	0	0	0	0	

TEST NUMBER: P1526857

CATALOG NUMBER: 24CGTX-20-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	477.8	477.8	477.8	477.8	477.8
2.5°	477.4	477.8	478.2	478.7	478.7
5°	478.2	478.7	479.1	480.7	479.9
7.5°	478.7	479.1	480.3	482.8	482.8
10°	479.1	480.3	482.8	485.3	486.1
12.5°	480.7	482.0	485.3	488.6	489.4
15°	481.5	484.0	487.7	490.6	491.0
17.5°	484.4	486.9	491.0	492.3	492.3
20°	487.3	490.6	494.3	494.3	493.5
22.5°	492.7	496.4	499.3	496.8	495.2
25°	499.3	503.8	505.1	500.5	497.6
27.5°	508.8	514.6	512.9	506.7	503.0
30°	521.2	528.6	524.9	515.8	510.5
32.5°	537.7	546.8	540.6	529.0	520.8
35°	558.4	569.1	563.3	544.3	532.3
37.5°	584.0	595.1	588.1	563.7	547.6
40°	617.4	623.2	613.3	586.9	567.4
42.5°	653.8	650.9	635.6	611.2	592.2
45°	690.5	673.6	649.2	632.3	618.7
47.5°	716.9	685.6	650.9	642.2	639.7
50°	723.6	683.1	640.1	636.8	645.9
52.5°	705.0	669.9	620.7	614.9	631.5
55°	663.7	646.7	596.8	579.4	594.7
57.5°	603.0	601.7	558.8	527.8	531.9
60°	525.7	530.7	502.6	458.8	456.3
62.5°	442.3	445.2	432.8	387.4	378.7
65°	367.6	364.7	360.9	322.1	314.7
67.5°	306.0	297.4	291.6	268.0	264.3
70°	254.0	240.4	228.8	225.1	221.4
72.5°	205.7	195.8	177.2	187.5	187.1
75°	166.4	157.3	137.9	156.9	158.6
77.5°	136.3	130.1	111.5	128.9	134.2
80°	115.6	102.8	93.7	104.9	111.9
82.5°	88.4	78.5	76.4	80.9	87.6
85°	58.6	54.9	56.6	58.2	62.4
87.5°	29.7	31.8	34.3	37.2	39.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526857

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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	14.9	16.6	15.2	17.0	17.3	13.9	15.7	14.3	16.0	16.4
	3H	16.0	17.6	16.3	17.9	18.3	15.1	16.7	15.5	17.0	17.4
	4H	16.4	17.9	16.8	18.2	18.6	15.5	17.1	15.9	17.4	17.8
	6H	16.7	18.1	17.1	18.5	18.9	16.0	17.4	16.4	17.8	18.2
	8H	16.9	18.2	17.3	18.6	19.0	16.2	17.5	16.6	17.9	18.3
	12H	17.0	18.3	17.4	18.7	19.1	16.4	17.7	16.8	18.0	18.5
4H	2H	15.3	16.8	15.7	17.1	17.5	14.5	16.0	14.9	16.4	16.8
	3H	16.6	17.8	17.0	18.2	18.6	15.8	17.1	16.2	17.5	17.9
	4H	17.1	18.2	17.5	18.6	19.1	16.4	17.6	16.8	18.0	18.4
	6H	17.5	18.6	18.0	19.0	19.5	17.0	18.0	17.4	18.4	18.9
	8H	17.8	18.7	18.2	19.2	19.6	17.3	18.2	17.7	18.6	19.1
	12H	18.0	18.8	18.4	19.3	19.8	17.5	18.4	18.0	18.8	19.3
8H	4H	17.2	18.2	17.7	18.6	19.1	16.6	17.6	17.1	18.0	18.5
	6H	17.8	18.6	18.3	19.1	19.6	17.3	18.1	17.8	18.6	19.1
	8H	18.1	18.8	18.6	19.3	19.8	17.7	18.4	18.2	18.9	19.4
	12H	18.4	19.0	18.9	19.5	20.1	18.0	18.7	18.5	19.2	19.7
12H	4H	17.2	18.1	17.7	18.6	19.0	16.7	17.5	17.1	18.0	18.5
	6H	17.9	18.6	18.4	19.1	19.6	17.4	18.1	17.9	18.6	19.1
	8H	18.2	18.9	18.7	19.3	19.9	17.8	18.4	18.3	18.9	19.5













(END OF REPORT)