

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: P1526868

Luminaire Tested: 24CGTX-30-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526868
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-30-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

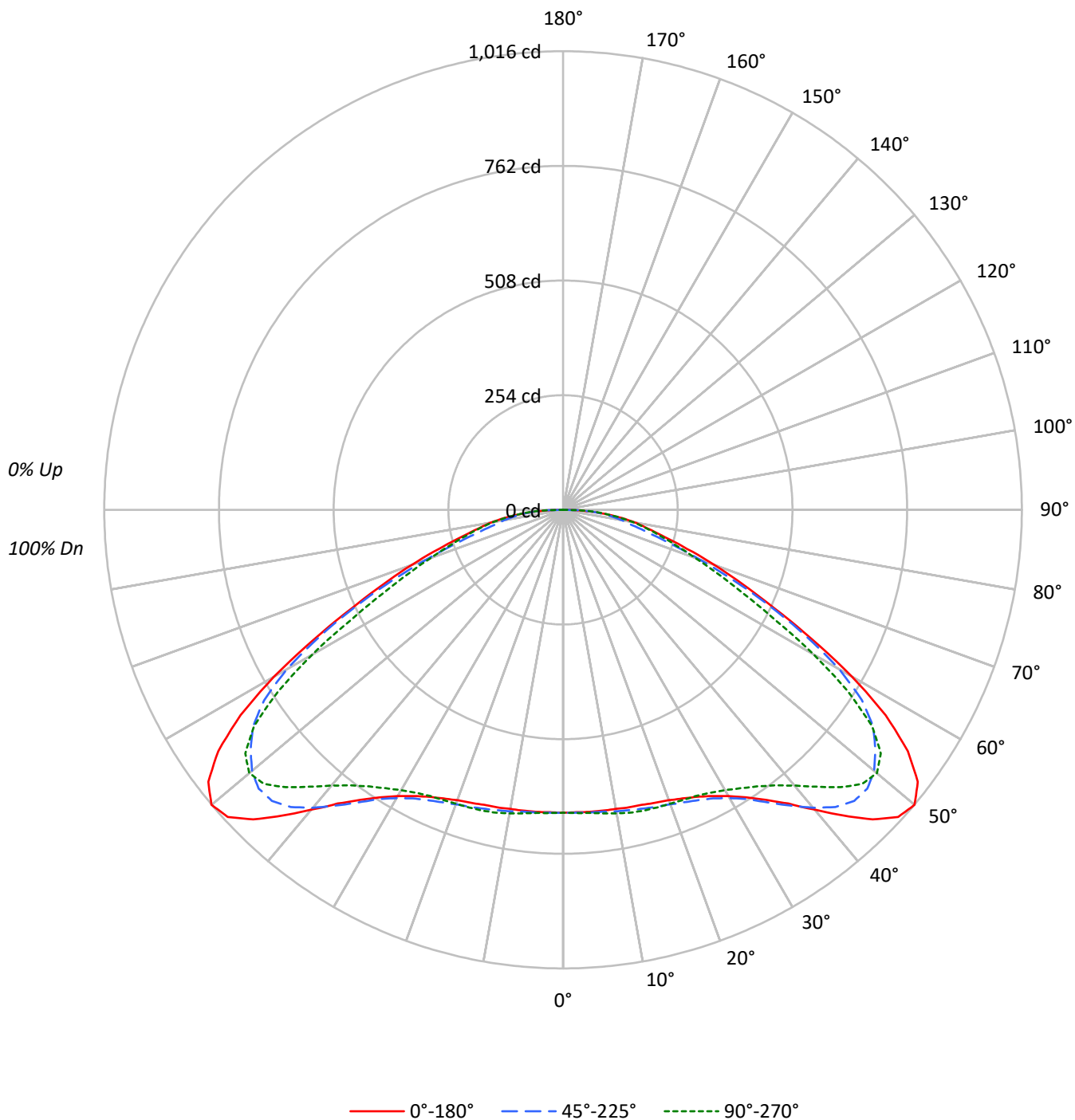
Lumens per Lamp: N/A
Luminaire Lumens: 3350.1 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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: P1526868

CATALOG NUMBER: 24CGTX-30-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526868

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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°	903	903	903
5°	907	909	910
10°	919	926	933
15°	942	954	961
20°	980	994	992
25°	1041	1053	1038
30°	1137	1145	1114
35°	1288	1300	1228
40°	1523	1513	1400
45°	1845	1735	1653
50°	2127	1882	1899
55°	2187	1966	1959
60°	1987	1900	1725
65°	1643	1614	1407
70°	1403	1264	1223
75°	1215	1007	1158
80°	1258	1020	1218
85°	1272	1227	1352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2188 cd/sqm

TEST NUMBER: P1526868

CATALOG NUMBER: 24CGTX-30-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.9
10°-20°	194.2	5.8
20°-30°	328.1	9.8
30°-40°	493.9	14.7
40°-50°	702.3	21.0
50°-60°	753.7	22.5
60°-70°	491.2	14.7
70°-80°	236.2	7.0
80°-90°	86.0	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°	586.7	17.5
0°-40°	1080.7	32.3
0°-60°	2536.7	75.7
0°-90°	3350.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	672	672	673	675	674	64
15°	676	680	685	689	690	192
25°	701	708	709	703	699	326
35°	784	799	791	764	748	498
45°	970	946	912	888	869	745
55°	932	908	838	814	835	815
65°	516	512	507	452	442	522
75°	234	221	194	220	223	257
85°	82	77	80	82	88	90
90°	0	0	0	0	0	

TEST NUMBER: P1526868

CATALOG NUMBER: 24CGTX-30-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.1	671.1	671.1	671.1	671.1
2.5°	670.5	671.1	671.7	672.3	672.3
5°	671.7	672.3	672.8	675.2	674.0
7.5°	672.3	672.8	674.6	678.1	678.1
10°	672.8	674.6	678.1	681.5	682.7
12.5°	675.2	676.9	681.5	686.2	687.3
15°	676.3	679.8	685.0	689.1	689.7
17.5°	680.4	683.9	689.7	691.4	691.4
20°	684.4	689.1	694.3	694.3	693.1
22.5°	692.0	697.2	701.3	697.8	695.5
25°	701.3	707.6	709.4	703.0	698.9
27.5°	714.6	722.7	720.4	711.7	706.5
30°	732.0	742.4	737.2	724.5	716.9
32.5°	755.2	768.0	759.3	743.0	731.4
35°	784.2	799.3	791.2	764.5	747.7
37.5°	820.2	835.8	826.0	791.8	769.1
40°	867.2	875.3	861.4	824.2	797.0
42.5°	918.2	914.1	892.7	858.5	831.8
45°	969.8	946.0	911.8	888.0	868.9
47.5°	1006.9	962.9	914.1	902.0	898.5
50°	1016.2	959.4	899.1	894.4	907.2
52.5°	990.1	940.8	871.8	863.7	886.9
55°	932.1	908.3	838.2	813.8	835.3
57.5°	846.9	845.1	784.8	741.3	747.1
60°	738.4	745.4	705.9	644.4	640.9
62.5°	621.2	625.3	607.9	544.1	531.9
65°	516.2	512.2	507.0	452.4	442.0
67.5°	429.8	417.6	409.5	376.4	371.2
70°	356.7	337.6	321.3	316.1	310.9
72.5°	288.9	274.9	248.8	263.3	262.8
75°	233.8	221.0	193.7	220.4	222.7
77.5°	191.4	182.7	156.6	181.0	188.5
80°	162.4	144.4	131.7	147.3	157.2
82.5°	124.1	110.2	107.3	113.7	123.0
85°	82.4	77.1	79.5	81.8	87.6
87.5°	41.8	44.7	48.1	52.2	55.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526868

CATALOG NUMBER: 24CGTX-30-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	16.0	17.8	16.4	18.1	18.5	15.1	16.9	15.5	17.2	17.5
	3H	17.1	18.8	17.5	19.1	19.4	16.3	17.9	16.6	18.2	18.6
	4H	17.5	19.1	17.9	19.4	19.8	16.7	18.3	17.1	18.6	19.0
	6H	17.9	19.3	18.3	19.7	20.1	17.2	18.6	17.6	18.9	19.3
	8H	18.1	19.4	18.5	19.8	20.2	17.4	18.7	17.8	19.1	19.5
	12H	18.2	19.5	18.6	19.9	20.3	17.5	18.8	18.0	19.2	19.7
4H	2H	16.4	18.0	16.8	18.3	18.7	15.7	17.2	16.1	17.6	17.9
	3H	17.7	19.0	18.1	19.4	19.8	17.0	18.3	17.4	18.7	19.1
	4H	18.2	19.4	18.7	19.8	20.2	17.6	18.8	18.0	19.2	19.6
	6H	18.7	19.7	19.2	20.2	20.6	18.2	19.2	18.6	19.6	20.1
	8H	18.9	19.9	19.4	20.3	20.8	18.4	19.4	18.9	19.8	20.3
	12H	19.1	20.0	19.6	20.5	20.9	18.7	19.5	19.2	20.0	20.5
8H	4H	18.4	19.4	18.9	19.8	20.3	17.8	18.8	18.3	19.2	19.7
	6H	19.0	19.8	19.5	20.3	20.8	18.5	19.3	19.0	19.8	20.3
	8H	19.3	20.0	19.8	20.5	21.0	18.9	19.6	19.4	20.1	20.6
	12H	19.6	20.2	20.1	20.7	21.3	19.2	19.9	19.7	20.3	20.9
12H	4H	18.4	19.3	18.9	19.8	20.2	17.8	18.7	18.3	19.2	19.6
	6H	19.1	19.8	19.6	20.2	20.8	18.6	19.3	19.1	19.8	20.3
	8H	19.4	20.0	19.9	20.5	21.1	19.0	19.6	19.5	20.1	20.7















(END OF REPORT)