

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: P1527327

Luminaire Tested: 24CGSB-30-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527327
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: 24CGSB-30-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

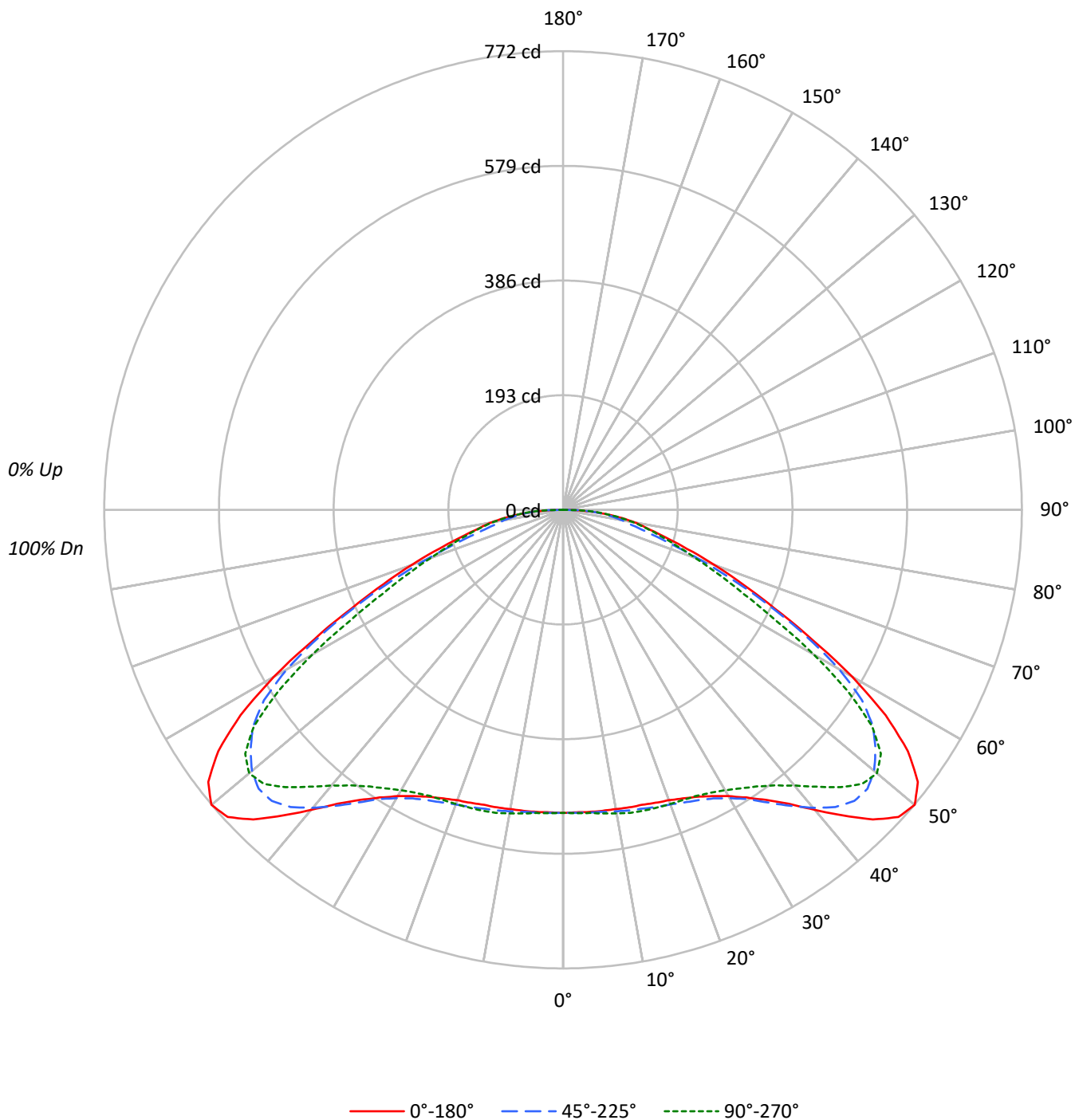
Lumens per Lamp: N/A
Luminaire Lumens: 2546.2 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
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

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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°	686	686	686
5°	689	691	692
10°	699	704	709
15°	716	725	730
20°	745	756	754
25°	791	800	789
30°	864	871	847
35°	979	988	933
40°	1158	1150	1064
45°	1403	1319	1257
50°	1617	1430	1443
55°	1662	1494	1489
60°	1510	1444	1311
65°	1249	1227	1069
70°	1066	961	930
75°	924	765	880
80°	956	776	926
85°	966	932	1028

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.9
10°-20°	147.6	5.8
20°-30°	249.4	9.8
30°-40°	375.4	14.7
40°-50°	533.8	21.0
50°-60°	572.9	22.5
60°-70°	373.3	14.7
70°-80°	179.5	7.0
80°-90°	65.3	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°	445.9	17.5
0°-40°	821.3	32.3
0°-60°	1928.0	75.7
0°-90°	2546.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	510	510	510	510	510	
5°	510	511	511	513	512	49
15°	514	517	521	524	524	146
25°	533	538	539	534	531	248
35°	596	608	601	581	568	378
45°	737	719	693	675	660	566
55°	708	690	637	618	635	620
65°	392	389	385	344	336	397
75°	178	168	147	168	169	195
85°	63	59	60	62	67	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	510.1	510.1	510.1	510.1	510.1
2.5°	509.6	510.1	510.5	510.9	510.9
5°	510.5	510.9	511.4	513.1	512.3
7.5°	510.9	511.4	512.7	515.4	515.4
10°	511.4	512.7	515.4	518.0	518.9
12.5°	513.1	514.5	518.0	521.5	522.4
15°	514.0	516.7	520.6	523.7	524.2
17.5°	517.1	519.8	524.2	525.5	525.5
20°	520.2	523.7	527.7	527.7	526.8
22.5°	525.9	529.9	533.0	530.3	528.6
25°	533.0	537.8	539.2	534.3	531.2
27.5°	543.1	549.3	547.5	540.9	537.0
30°	556.4	564.3	560.3	550.6	544.9
32.5°	574.0	583.7	577.1	564.7	555.9
35°	596.0	607.5	601.3	581.0	568.3
37.5°	623.4	635.3	627.8	601.8	584.6
40°	659.1	665.2	654.7	626.4	605.7
42.5°	697.9	694.8	678.5	652.5	632.2
45°	737.1	719.0	693.0	674.9	660.4
47.5°	765.3	731.8	694.8	685.5	682.9
50°	772.4	729.2	683.3	679.8	689.5
52.5°	752.5	715.1	662.6	656.4	674.1
55°	708.4	690.4	637.0	618.5	634.8
57.5°	643.6	642.3	596.5	563.4	567.8
60°	561.2	566.5	536.5	489.8	487.1
62.5°	472.1	475.2	462.0	413.5	404.3
65°	392.4	389.3	385.3	343.9	335.9
67.5°	326.7	317.4	311.2	286.1	282.1
70°	271.1	256.6	244.2	240.3	236.3
72.5°	219.5	209.0	189.1	200.1	199.7
75°	177.7	168.0	147.2	167.5	169.3
77.5°	145.5	138.9	119.0	137.5	143.3
80°	123.4	109.8	100.1	112.0	119.5
82.5°	94.3	83.8	81.6	86.4	93.5
85°	62.6	58.6	60.4	62.2	66.6
87.5°	31.7	33.9	36.6	39.7	41.9
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	15.1	16.9	15.5	17.2	17.5	14.2	16.0	14.5	16.3	16.6
	3H	16.2	17.8	16.6	18.1	18.5	15.3	16.9	15.7	17.3	17.6
	4H	16.6	18.1	17.0	18.5	18.8	15.8	17.3	16.2	17.6	18.0
	6H	16.9	18.4	17.4	18.7	19.1	16.2	17.6	16.6	18.0	18.4
	8H	17.1	18.5	17.5	18.8	19.2	16.4	17.8	16.8	18.2	18.6
	12H	17.2	18.5	17.7	18.9	19.3	16.6	17.9	17.0	18.3	18.7
4H	2H	15.5	17.0	15.9	17.4	17.7	14.7	16.3	15.1	16.6	17.0
	3H	16.8	18.1	17.2	18.5	18.9	16.1	17.3	16.5	17.7	18.1
	4H	17.3	18.4	17.7	18.9	19.3	16.6	17.8	17.1	18.2	18.6
	6H	17.8	18.8	18.2	19.2	19.7	17.2	18.2	17.7	18.7	19.1
	8H	18.0	18.9	18.4	19.4	19.8	17.5	18.4	17.9	18.9	19.3
	12H	18.2	19.1	18.7	19.5	20.0	17.7	18.6	18.2	19.1	19.5
8H	4H	17.4	18.4	17.9	18.8	19.3	16.9	17.8	17.3	18.2	18.7
	6H	18.0	18.8	18.5	19.3	19.8	17.6	18.4	18.0	18.8	19.3
	8H	18.3	19.1	18.8	19.6	20.0	17.9	18.6	18.4	19.1	19.6
	12H	18.6	19.3	19.1	19.8	20.3	18.3	18.9	18.8	19.4	19.9
12H	4H	17.5	18.3	17.9	18.8	19.3	16.9	17.7	17.4	18.2	18.7
	6H	18.1	18.8	18.6	19.3	19.8	17.6	18.4	18.1	18.8	19.3
	8H	18.4	19.1	18.9	19.6	20.1	18.0	18.7	18.5	19.2	19.7













(END OF REPORT)