

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: P1527323

Luminaire Tested: 24CGSB-30-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527323
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

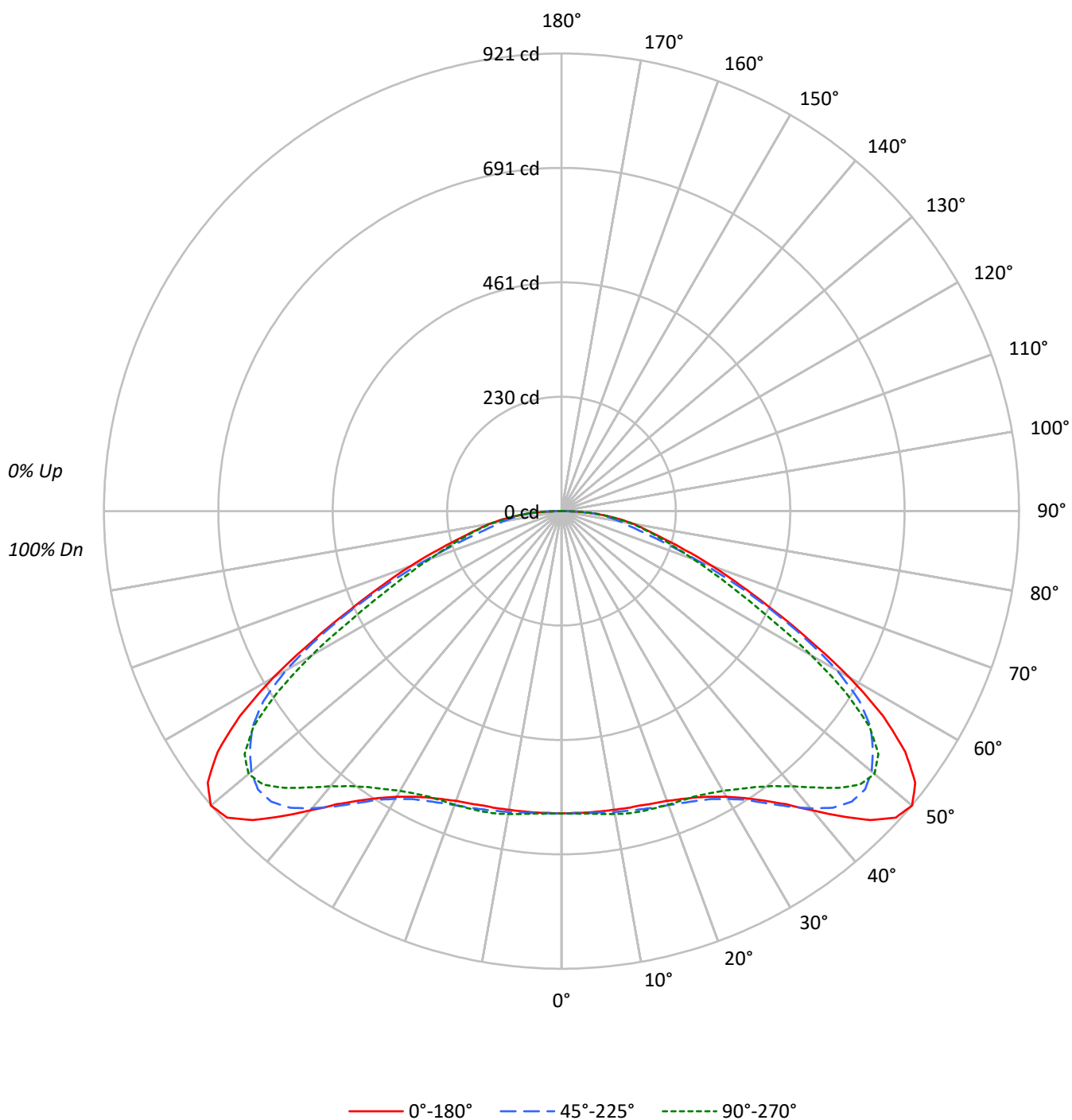
Lumens per Lamp: N/A
Luminaire Lumens: 3037.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	819	819	819
5°	822	824	825
10°	833	840	846
15°	854	865	871
20°	888	901	900
25°	944	955	941
30°	1031	1038	1010
35°	1168	1178	1113
40°	1381	1372	1269
45°	1673	1573	1499
50°	1928	1706	1721
55°	1982	1782	1776
60°	1801	1722	1563
65°	1490	1463	1276
70°	1272	1146	1109
75°	1102	913	1050
80°	1141	925	1104
85°	1153	1112	1226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.9
10°-20°	176.1	5.8
20°-30°	297.4	9.8
30°-40°	447.8	14.7
40°-50°	636.7	21.0
50°-60°	683.3	22.5
60°-70°	445.3	14.7
70°-80°	214.1	7.0
80°-90°	77.9	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°	531.9	17.5
0°-40°	979.7	32.3
0°-60°	2299.6	75.7
0°-90°	3037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	608	608	608	608	608	
5°	609	609	610	612	611	58
15°	613	616	621	625	625	174
25°	636	642	643	637	634	296
35°	711	725	717	693	678	451
45°	879	858	827	805	788	675
55°	845	824	760	738	757	739
65°	468	464	460	410	401	474
75°	212	200	176	200	202	233
85°	75	70	72	74	79	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	608.4	608.4	608.4	608.4	608.4
2.5°	607.9	608.4	608.9	609.4	609.4
5°	608.9	609.4	610.0	612.1	611.0
7.5°	609.4	610.0	611.5	614.7	614.7
10°	610.0	611.5	614.7	617.9	618.9
12.5°	612.1	613.6	617.9	622.1	623.1
15°	613.1	616.3	621.0	624.7	625.2
17.5°	616.8	620.0	625.2	626.8	626.8
20°	620.5	624.7	629.4	629.4	628.4
22.5°	627.3	632.1	635.7	632.6	630.5
25°	635.7	641.5	643.1	637.3	633.6
27.5°	647.8	655.2	653.1	645.2	640.5
30°	663.6	673.1	668.3	656.8	649.9
32.5°	684.6	696.2	688.3	673.6	663.1
35°	710.9	724.6	717.2	693.0	677.8
37.5°	743.5	757.7	748.8	717.8	697.3
40°	786.1	793.5	780.9	747.2	722.5
42.5°	832.4	828.7	809.3	778.2	754.0
45°	879.2	857.6	826.6	805.0	787.7
47.5°	912.8	872.9	828.7	817.7	814.5
50°	921.3	869.7	815.0	810.8	822.4
52.5°	897.6	852.9	790.3	783.0	804.0
55°	845.0	823.5	759.8	737.7	757.2
57.5°	767.7	766.1	711.5	672.0	677.3
60°	669.4	675.7	639.9	584.2	581.0
62.5°	563.2	566.8	551.1	493.2	482.2
65°	468.0	464.3	459.6	410.1	400.7
67.5°	389.6	378.6	371.2	341.3	336.5
70°	323.4	306.0	291.3	286.6	281.8
72.5°	261.9	249.2	225.6	238.7	238.2
75°	211.9	200.3	175.6	199.8	201.9
77.5°	173.5	165.6	142.0	164.1	170.9
80°	147.2	130.9	119.4	133.6	142.5
82.5°	112.5	99.9	97.3	103.1	111.5
85°	74.7	69.9	72.0	74.1	79.4
87.5°	37.9	40.5	43.6	47.3	50.0
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	15.7	17.5	16.1	17.8	18.1	14.8	16.6	15.2	16.9	17.2
	3H	16.8	18.4	17.2	18.7	19.1	15.9	17.5	16.3	17.9	18.2
	4H	17.2	18.7	17.6	19.1	19.4	16.4	17.9	16.8	18.3	18.6
	6H	17.6	19.0	18.0	19.3	19.7	16.8	18.2	17.2	18.6	19.0
	8H	17.7	19.1	18.1	19.5	19.9	17.0	18.4	17.4	18.8	19.2
	12H	17.8	19.1	18.3	19.5	20.0	17.2	18.5	17.6	18.9	19.3
4H	2H	16.1	17.6	16.5	18.0	18.4	15.4	16.9	15.7	17.2	17.6
	3H	17.4	18.7	17.8	19.1	19.5	16.7	18.0	17.1	18.3	18.7
	4H	17.9	19.1	18.3	19.5	19.9	17.3	18.4	17.7	18.8	19.3
	6H	18.4	19.4	18.8	19.8	20.3	17.8	18.8	18.3	19.3	19.7
	8H	18.6	19.6	19.1	20.0	20.5	18.1	19.0	18.5	19.5	19.9
	12H	18.8	19.7	19.3	20.1	20.6	18.3	19.2	18.8	19.7	20.1
8H	4H	18.1	19.0	18.5	19.4	19.9	17.5	18.4	17.9	18.9	19.3
	6H	18.7	19.5	19.1	19.9	20.4	18.2	19.0	18.7	19.5	19.9
	8H	19.0	19.7	19.5	20.2	20.7	18.5	19.2	19.0	19.7	20.2
	12H	19.2	19.9	19.7	20.4	20.9	18.9	19.5	19.4	20.0	20.6
12H	4H	18.1	18.9	18.6	19.4	19.9	17.5	18.4	18.0	18.8	19.3
	6H	18.7	19.4	19.2	19.9	20.4	18.2	19.0	18.8	19.4	20.0
	8H	19.1	19.7	19.6	20.2	20.7	18.6	19.3	19.1	19.8	20.3















(END OF REPORT)