

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: P1527389

Luminaire Tested: 24CGSB-90-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527389
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-90-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

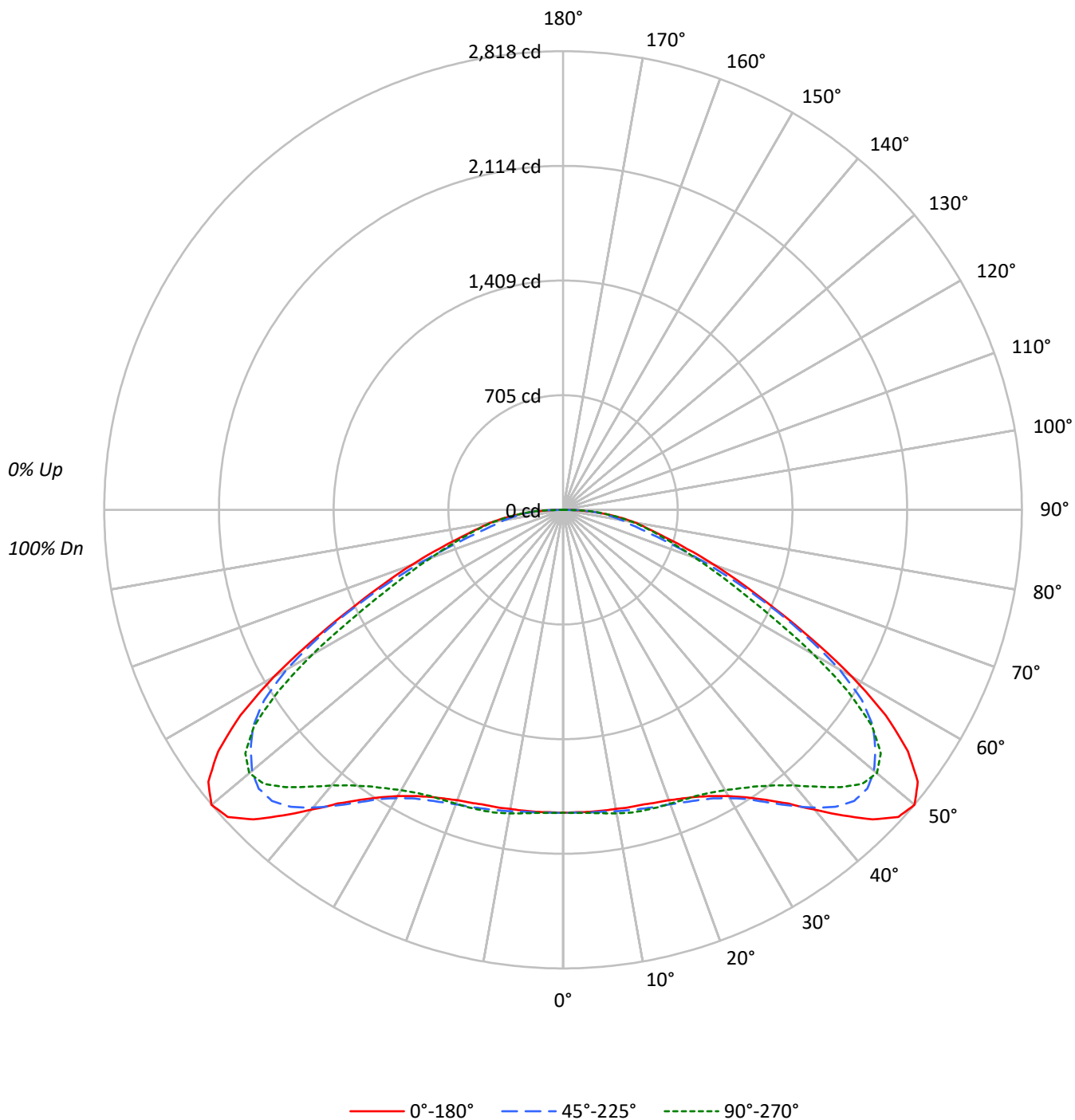
Lumens per Lamp: N/A
Luminaire Lumens: 9291.4 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.9
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

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Luminous Intensity Polar Plot



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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		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°	2504	2504	2504
5°	2516	2520	2525
10°	2550	2569	2587
15°	2613	2646	2664
20°	2718	2757	2753
25°	2888	2921	2878
30°	3154	3177	3089
35°	3573	3604	3406
40°	4224	4196	3882
45°	5118	4812	4586
50°	5900	5219	5267
55°	6064	5453	5434
60°	5511	5268	4783
65°	4558	4476	3903
70°	3892	3506	3392
75°	3370	2793	3212
80°	3490	2830	3378
85°	3526	3402	3750

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 6069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.9
10°-20°	538.7	5.8
20°-30°	910.0	9.8
30°-40°	1369.9	14.7
40°-50°	1947.9	21.0
50°-60°	2090.5	22.5
60°-70°	1362.4	14.7
70°-80°	655.0	7.1
80°-90°	238.4	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°	1627.3	17.5
0°-40°	2997.2	32.3
0°-60°	7035.6	75.7
0°-90°	9291.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9291.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1861	1861	1861	1861	1861	
5°	1863	1864	1866	1873	1869	178
15°	1876	1885	1900	1911	1913	533
25°	1945	1963	1968	1950	1938	906
35°	2175	2217	2194	2120	2074	1381
45°	2690	2624	2529	2463	2410	2065
55°	2585	2519	2325	2257	2317	2262
65°	1432	1420	1406	1255	1226	1449
75°	648	613	537	611	618	712
85°	228	214	220	227	243	249
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1861.3	1861.3	1861.3	1861.3	1861.3
2.5°	1859.7	1861.3	1862.9	1864.5	1864.5
5°	1862.9	1864.5	1866.1	1872.6	1869.3
7.5°	1864.5	1866.1	1871.0	1880.6	1880.6
10°	1866.1	1871.0	1880.6	1890.3	1893.5
12.5°	1872.6	1877.4	1890.3	1903.1	1906.3
15°	1875.8	1885.4	1899.9	1911.2	1912.8
17.5°	1887.0	1896.7	1912.8	1917.6	1917.6
20°	1898.3	1911.2	1925.7	1925.7	1922.4
22.5°	1919.2	1933.7	1945.0	1935.3	1928.9
25°	1945.0	1962.7	1967.5	1949.8	1938.5
27.5°	1982.0	2004.5	1998.0	1973.9	1959.4
30°	2030.2	2059.2	2044.7	2009.3	1988.4
32.5°	2094.6	2130.0	2105.8	2060.8	2028.6
35°	2175.0	2216.8	2194.3	2120.3	2073.7
37.5°	2274.7	2318.2	2290.8	2195.9	2133.2
40°	2405.1	2427.6	2389.0	2286.0	2210.4
42.5°	2546.6	2535.4	2475.8	2380.9	2306.9
45°	2689.8	2623.8	2528.9	2463.0	2409.9
47.5°	2792.8	2670.5	2535.4	2501.6	2491.9
50°	2818.5	2660.8	2493.5	2480.7	2516.1
52.5°	2746.1	2609.4	2417.9	2395.4	2459.8
55°	2585.2	2519.3	2324.6	2257.1	2316.6
57.5°	2348.7	2343.9	2176.6	2056.0	2072.0
60°	2047.9	2067.2	1957.8	1787.3	1777.6
62.5°	1723.0	1734.2	1686.0	1509.0	1475.2
65°	1431.8	1420.5	1406.0	1254.8	1225.9
67.5°	1192.1	1158.3	1135.8	1044.1	1029.6
70°	989.4	936.3	891.2	876.8	862.3
72.5°	801.1	762.5	690.1	730.4	728.8
75°	648.3	612.9	537.3	611.3	617.8
77.5°	530.9	506.8	434.4	501.9	522.8
80°	450.4	400.6	365.2	408.6	436.0
82.5°	344.3	305.7	297.6	315.3	341.1
85°	228.4	214.0	220.4	226.8	242.9
87.5°	115.8	123.9	133.5	144.8	152.8
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	19.6	21.4	19.9	21.7	22.0	18.7	20.5	19.0	20.8	21.1
	3H	20.7	22.3	21.1	22.6	23.0	19.8	21.4	20.2	21.8	22.1
	4H	21.1	22.6	21.5	23.0	23.3	20.3	21.8	20.7	22.1	22.5
	6H	21.4	22.9	21.8	23.2	23.6	20.7	22.1	21.1	22.5	22.9
	8H	21.6	23.0	22.0	23.3	23.7	20.9	22.3	21.3	22.7	23.1
	12H	21.7	23.0	22.2	23.4	23.8	21.1	22.4	21.5	22.8	23.2
4H	2H	20.0	21.5	20.4	21.9	22.2	19.2	20.8	19.6	21.1	21.5
	3H	21.3	22.6	21.7	23.0	23.4	20.6	21.8	21.0	22.2	22.6
	4H	21.8	22.9	22.2	23.3	23.8	21.1	22.3	21.6	22.7	23.1
	6H	22.3	23.3	22.7	23.7	24.2	21.7	22.7	22.2	23.2	23.6
	8H	22.5	23.4	22.9	23.9	24.3	22.0	22.9	22.4	23.4	23.8
	12H	22.7	23.6	23.2	24.0	24.5	22.2	23.1	22.7	23.6	24.0
8H	4H	21.9	22.9	22.4	23.3	23.8	21.3	22.3	21.8	22.7	23.2
	6H	22.5	23.3	23.0	23.8	24.3	22.1	22.9	22.5	23.3	23.8
	8H	22.8	23.6	23.3	24.1	24.5	22.4	23.1	22.9	23.6	24.1
	12H	23.1	23.8	23.6	24.3	24.8	22.8	23.4	23.3	23.9	24.4
12H	4H	22.0	22.8	22.4	23.3	23.8	21.4	22.2	21.9	22.7	23.2
	6H	22.6	23.3	23.1	23.8	24.3	22.1	22.8	22.6	23.3	23.8
	8H	22.9	23.6	23.4	24.1	24.6	22.5	23.2	23.0	23.7	24.2













(END OF REPORT)