

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: P1527386

Luminaire Tested: 24CGSB-90-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527386
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

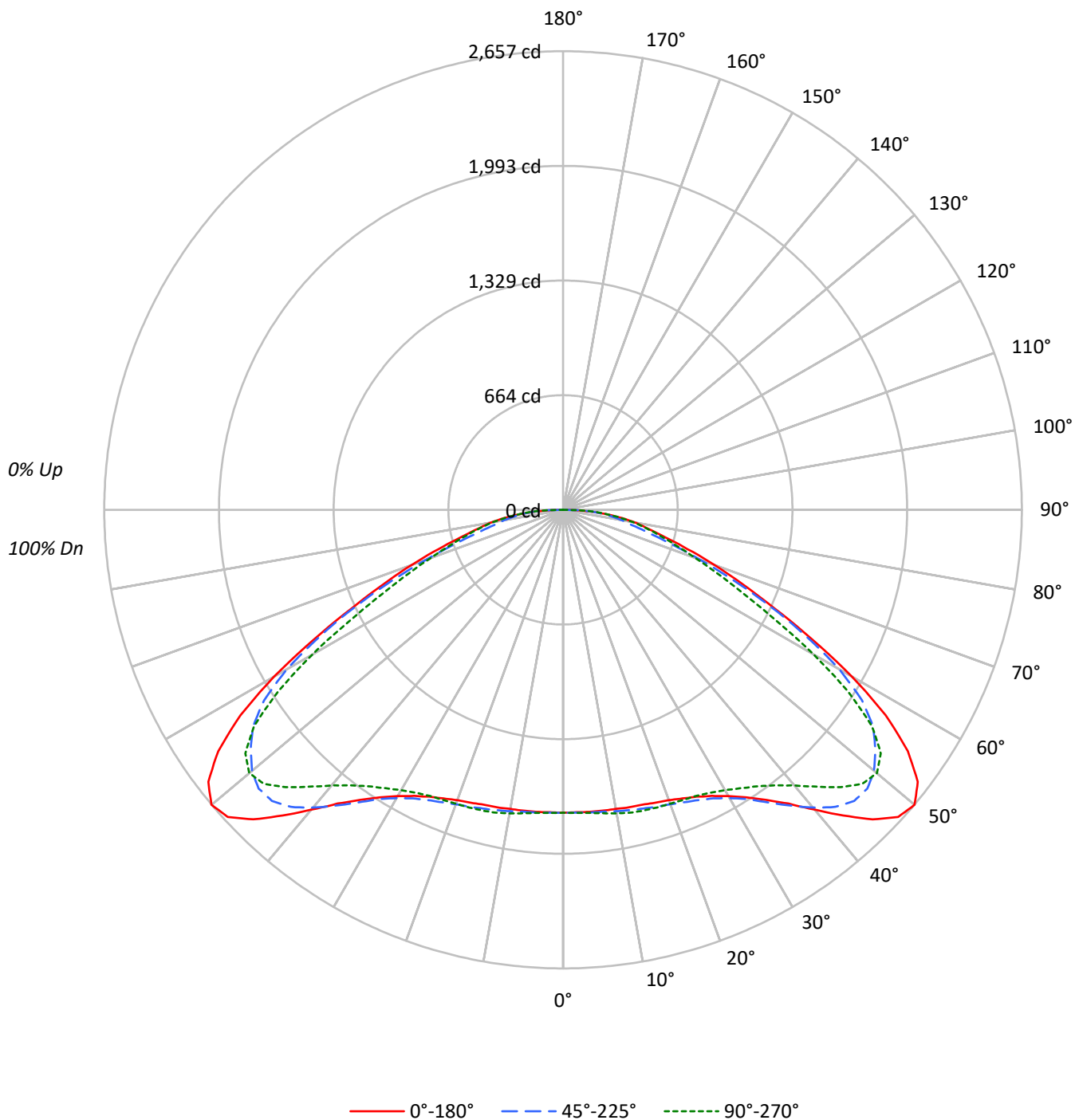
Lumens per Lamp: N/A
Luminaire Lumens: 8760.4 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2361	2361	2361
5°	2372	2376	2380
10°	2404	2422	2439
15°	2464	2495	2512
20°	2563	2600	2595
25°	2722	2754	2713
30°	2974	2995	2913
35°	3368	3398	3211
40°	3983	3956	3661
45°	4826	4537	4324
50°	5562	4921	4966
55°	5718	5142	5124
60°	5196	4968	4510
65°	4298	4221	3680
70°	3670	3306	3198
75°	3178	2634	3028
80°	3291	2668	3185
85°	3325	3208	3535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	1.9
10°-20°	507.9	5.8
20°-30°	858.0	9.8
30°-40°	1291.6	14.7
40°-50°	1836.6	21.0
50°-60°	1971.0	22.5
60°-70°	1284.5	14.7
70°-80°	617.6	7.1
80°-90°	224.8	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°	1534.3	17.5
0°-40°	2825.9	32.3
0°-60°	6633.5	75.7
0°-90°	8760.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8760.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1755	1755	1755	1755	1755	
5°	1756	1758	1760	1766	1762	168
15°	1769	1778	1791	1802	1804	503
25°	1834	1850	1855	1838	1828	854
35°	2051	2090	2069	1999	1955	1302
45°	2536	2474	2384	2322	2272	1947
55°	2438	2375	2192	2128	2184	2132
65°	1350	1339	1326	1183	1156	1366
75°	611	578	507	576	582	671
85°	215	202	208	214	229	234
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1754.9	1754.9	1754.9	1754.9	1754.9
2.5°	1753.4	1754.9	1756.5	1758.0	1758.0
5°	1756.5	1758.0	1759.5	1765.6	1762.5
7.5°	1758.0	1759.5	1764.0	1773.1	1773.1
10°	1759.5	1764.0	1773.1	1782.2	1785.3
12.5°	1765.6	1770.1	1782.2	1794.4	1797.4
15°	1768.6	1777.7	1791.3	1802.0	1803.5
17.5°	1779.2	1788.3	1803.5	1808.0	1808.0
20°	1789.8	1802.0	1815.6	1815.6	1812.6
22.5°	1809.5	1823.2	1833.8	1824.7	1818.6
25°	1833.8	1850.5	1855.1	1838.4	1827.7
27.5°	1868.7	1889.9	1883.9	1861.1	1847.5
30°	1914.2	1941.5	1927.9	1894.5	1874.8
32.5°	1974.9	2008.2	1985.5	1943.0	1912.7
35°	2050.7	2090.2	2068.9	1999.1	1955.2
37.5°	2144.8	2185.7	2159.9	2070.4	2011.3
40°	2267.6	2288.9	2252.5	2155.4	2084.1
42.5°	2401.1	2390.5	2334.4	2244.9	2175.1
45°	2536.1	2473.9	2384.4	2322.2	2272.2
47.5°	2633.2	2517.9	2390.5	2358.6	2349.5
50°	2657.4	2508.8	2351.0	2338.9	2372.3
52.5°	2589.2	2460.3	2279.8	2258.5	2319.2
55°	2437.5	2375.3	2191.8	2128.1	2184.2
57.5°	2214.5	2210.0	2052.2	1938.5	1953.6
60°	1930.9	1949.1	1846.0	1685.2	1676.1
62.5°	1624.5	1635.1	1589.6	1422.8	1390.9
65°	1350.0	1339.3	1325.7	1183.1	1155.8
67.5°	1124.0	1092.1	1070.9	984.4	970.8
70°	932.8	882.8	840.3	826.7	813.0
72.5°	755.4	719.0	650.7	688.6	687.1
75°	611.3	577.9	506.6	576.4	582.5
77.5°	500.5	477.8	409.5	473.2	493.0
80°	424.7	377.7	344.3	385.3	411.1
82.5°	324.6	288.2	280.6	297.3	321.6
85°	215.4	201.7	207.8	213.9	229.0
87.5°	109.2	116.8	125.9	136.5	144.1
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	19.4	21.2	19.7	21.5	21.8	18.5	20.3	18.8	20.6	20.9
	3H	20.5	22.1	20.9	22.4	22.8	19.6	21.2	20.0	21.5	21.9
	4H	20.9	22.4	21.3	22.7	23.1	20.1	21.6	20.5	21.9	22.3
	6H	21.2	22.7	21.6	23.0	23.4	20.5	21.9	20.9	22.3	22.7
	8H	21.4	22.7	21.8	23.1	23.5	20.7	22.1	21.1	22.5	22.8
	12H	21.5	22.8	22.0	23.2	23.6	20.9	22.2	21.3	22.6	23.0
4H	2H	19.8	21.3	20.2	21.7	22.0	19.0	20.6	19.4	20.9	21.3
	3H	21.1	22.4	21.5	22.7	23.1	20.4	21.6	20.8	22.0	22.4
	4H	21.6	22.7	22.0	23.1	23.6	20.9	22.1	21.4	22.5	22.9
	6H	22.1	23.1	22.5	23.5	24.0	21.5	22.5	22.0	23.0	23.4
	8H	22.3	23.2	22.7	23.7	24.1	21.8	22.7	22.2	23.2	23.6
	12H	22.5	23.3	23.0	23.8	24.3	22.0	22.9	22.5	23.4	23.8
8H	4H	21.7	22.7	22.2	23.1	23.6	21.1	22.1	21.6	22.5	23.0
	6H	22.3	23.1	22.8	23.6	24.1	21.8	22.6	22.3	23.1	23.6
	8H	22.6	23.4	23.1	23.9	24.3	22.2	22.9	22.7	23.4	23.9
	12H	22.9	23.6	23.4	24.1	24.6	22.6	23.2	23.1	23.7	24.2
12H	4H	21.8	22.6	22.2	23.1	23.6	21.2	22.0	21.7	22.5	23.0
	6H	22.4	23.1	22.9	23.6	24.1	21.9	22.6	22.4	23.1	23.6
	8H	22.7	23.4	23.2	23.9	24.4	22.3	23.0	22.8	23.5	24.0













(END OF REPORT)