

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: P1527375

Luminaire Tested: 24CGSB-70-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527375
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-70-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

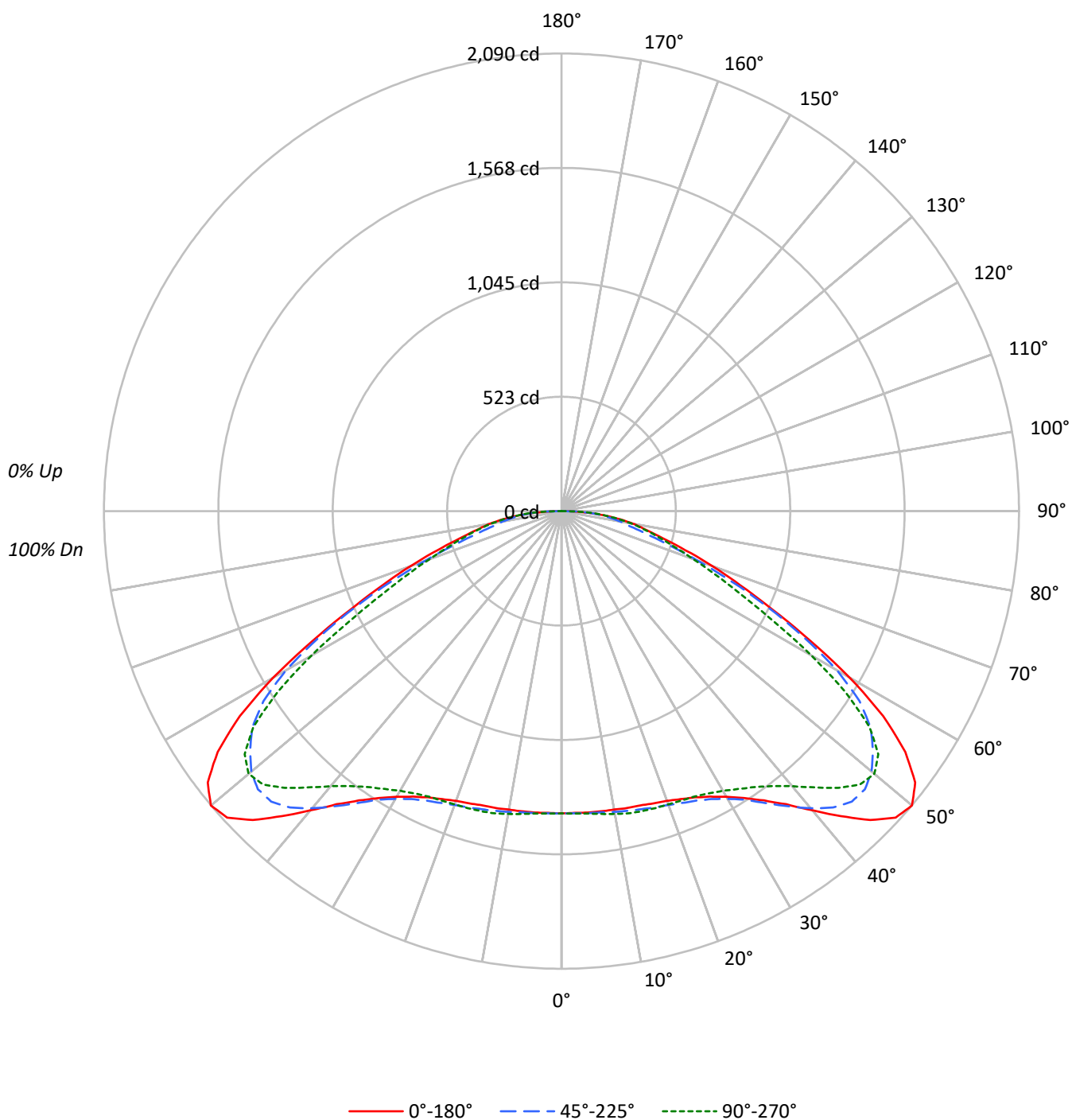
Lumens per Lamp: N/A
Luminaire Lumens: 6890.7 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.3
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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1857	1857	1857
5°	1866	1869	1872
10°	1891	1906	1918
15°	1938	1963	1976
20°	2016	2045	2041
25°	2141	2166	2134
30°	2339	2356	2291
35°	2649	2673	2526
40°	3133	3112	2879
45°	3796	3569	3401
50°	4375	3871	3906
55°	4498	4044	4030
60°	4087	3907	3548
65°	3380	3320	2894
70°	2886	2600	2516
75°	2499	2072	2381
80°	2589	2098	2505
85°	2615	2524	2782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 4501 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	1.9
10°-20°	399.5	5.8
20°-30°	674.9	9.8
30°-40°	1015.9	14.7
40°-50°	1444.6	21.0
50°-60°	1550.4	22.5
60°-70°	1010.3	14.7
70°-80°	485.8	7.1
80°-90°	176.8	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°	1206.9	17.5
0°-40°	2222.8	32.3
0°-60°	5217.7	75.7
0°-90°	6890.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6890.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1382	1383	1384	1389	1386	132
15°	1391	1398	1409	1417	1419	395
25°	1442	1456	1459	1446	1438	672
35°	1613	1644	1627	1572	1538	1024
45°	1995	1946	1876	1827	1787	1531
55°	1917	1868	1724	1674	1718	1677
65°	1062	1054	1043	931	909	1074
75°	481	455	398	453	458	528
85°	169	159	164	168	180	184
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.4	1380.4	1380.4	1380.4	1380.4
2.5°	1379.2	1380.4	1381.6	1382.8	1382.8
5°	1381.6	1382.8	1384.0	1388.7	1386.3
7.5°	1382.8	1384.0	1387.5	1394.7	1394.7
10°	1384.0	1387.5	1394.7	1401.9	1404.2
12.5°	1388.7	1392.3	1401.9	1411.4	1413.8
15°	1391.1	1398.3	1409.0	1417.4	1418.6
17.5°	1399.5	1406.6	1418.6	1422.1	1422.1
20°	1407.8	1417.4	1428.1	1428.1	1425.7
22.5°	1423.3	1434.1	1442.4	1435.3	1430.5
25°	1442.4	1455.5	1459.1	1446.0	1437.7
27.5°	1469.9	1486.6	1481.8	1463.9	1453.2
30°	1505.7	1527.1	1516.4	1490.1	1474.6
32.5°	1553.4	1579.6	1561.7	1528.3	1504.5
35°	1613.0	1644.1	1627.3	1572.5	1537.9
37.5°	1687.0	1719.2	1698.9	1628.5	1582.0
40°	1783.6	1800.3	1771.7	1695.4	1639.3
42.5°	1888.6	1880.3	1836.1	1765.7	1710.9
45°	1994.8	1945.9	1875.5	1826.6	1787.2
47.5°	2071.2	1980.5	1880.3	1855.2	1848.1
50°	2090.3	1973.3	1849.3	1839.7	1866.0
52.5°	2036.6	1935.2	1793.2	1776.5	1824.2
55°	1917.3	1868.4	1724.0	1673.9	1718.0
57.5°	1741.9	1738.3	1614.2	1524.7	1536.7
60°	1518.8	1533.1	1452.0	1325.5	1318.3
62.5°	1277.8	1286.1	1250.3	1119.1	1094.0
65°	1061.8	1053.5	1042.7	930.6	909.1
67.5°	884.1	859.0	842.3	774.3	763.6
70°	733.7	694.4	661.0	650.2	639.5
72.5°	594.1	565.5	511.8	541.7	540.5
75°	480.8	454.6	398.5	453.4	458.1
77.5°	393.7	375.8	322.1	372.2	387.7
80°	334.1	297.1	270.8	303.0	323.3
82.5°	255.3	226.7	220.7	233.8	252.9
85°	169.4	158.7	163.5	168.2	180.2
87.5°	85.9	91.9	99.0	107.4	113.3
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	18.5	20.3	18.9	20.6	21.0	17.6	19.4	18.0	19.7	20.0
	3H	19.7	21.3	20.0	21.6	21.9	18.8	20.4	19.1	20.7	21.1
	4H	20.0	21.6	20.4	21.9	22.3	19.2	20.8	19.6	21.1	21.5
	6H	20.4	21.8	20.8	22.2	22.6	19.7	21.1	20.1	21.5	21.8
	8H	20.6	21.9	21.0	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	12H	20.7	22.0	21.1	22.4	22.8	20.0	21.3	20.5	21.7	22.2
4H	2H	19.0	20.5	19.4	20.8	21.2	18.2	19.7	18.6	20.1	20.4
	3H	20.2	21.5	20.6	21.9	22.3	19.5	20.8	19.9	21.2	21.6
	4H	20.7	21.9	21.2	22.3	22.7	20.1	21.3	20.5	21.7	22.1
	6H	21.2	22.3	21.7	22.7	23.1	20.7	21.7	21.1	22.1	22.6
	8H	21.5	22.4	21.9	22.8	23.3	20.9	21.9	21.4	22.3	22.8
	12H	21.6	22.5	22.1	23.0	23.5	21.2	22.0	21.7	22.5	23.0
8H	4H	20.9	21.9	21.4	22.3	22.8	20.3	21.3	20.8	21.7	22.2
	6H	21.5	22.3	22.0	22.8	23.3	21.0	21.8	21.5	22.3	22.8
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.1	21.9	22.6	23.1
	12H	22.1	22.7	22.6	23.2	23.8	21.7	22.4	22.2	22.9	23.4
12H	4H	20.9	21.8	21.4	22.3	22.7	20.3	21.2	20.8	21.7	22.1
	6H	21.6	22.3	22.1	22.7	23.3	21.1	21.8	21.6	22.3	22.8
	8H	21.9	22.5	22.4	23.0	23.6	21.5	22.1	22.0	22.6	23.2













(END OF REPORT)