

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: P1527372

Luminaire Tested: 24CGSB-70-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527372
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

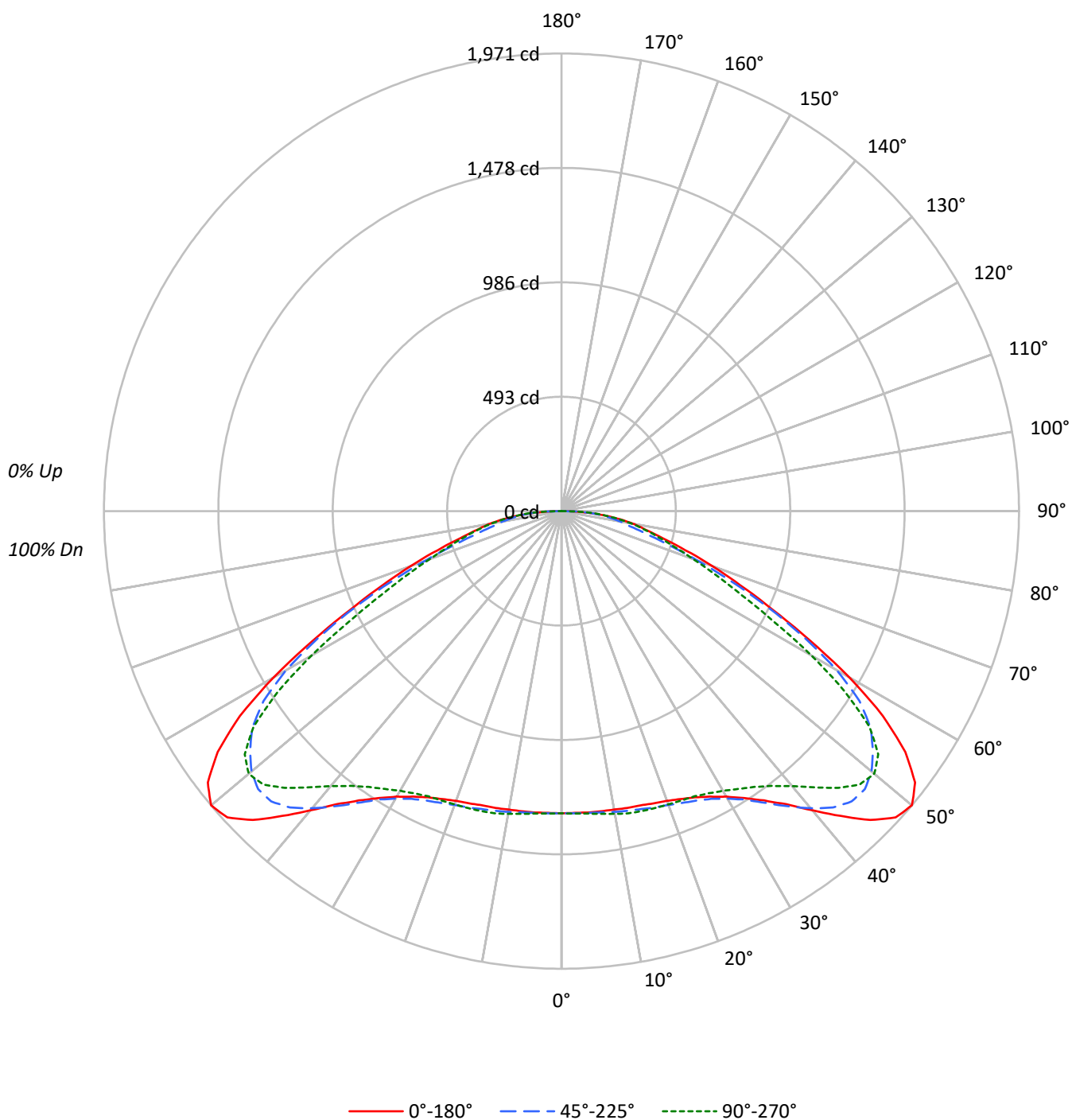
Lumens per Lamp: N/A
Luminaire Lumens: 6497.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	1751	1751	1751
5°	1759	1762	1765
10°	1783	1797	1809
15°	1827	1851	1863
20°	1901	1928	1925
25°	2019	2042	2012
30°	2206	2221	2160
35°	2498	2520	2382
40°	2954	2934	2715
45°	3579	3365	3206
50°	4125	3650	3683
55°	4240	3813	3800
60°	3853	3684	3345
65°	3188	3130	2729
70°	2722	2452	2372
75°	2357	1953	2246
80°	2441	1979	2362
85°	2465	2379	2623

MAXIMUM LUMINANCE 45°-90°:

Luminance: 4244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	1.9
10°-20°	376.7	5.8
20°-30°	636.3	9.8
30°-40°	957.9	14.7
40°-50°	1362.0	21.0
50°-60°	1461.8	22.5
60°-70°	952.6	14.7
70°-80°	458.0	7.1
80°-90°	166.7	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°	1137.9	17.5
0°-40°	2095.8	32.3
0°-60°	4919.6	75.7
0°-90°	6497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1303	1304	1305	1309	1307	124
15°	1312	1318	1328	1336	1338	373
25°	1360	1372	1376	1363	1356	633
35°	1521	1550	1534	1483	1450	965
45°	1881	1835	1768	1722	1685	1444
55°	1808	1762	1626	1578	1620	1581
65°	1001	993	983	877	857	1013
75°	453	429	376	428	432	498
85°	160	150	154	159	170	174
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1301.5	1301.5	1301.5	1301.5	1301.5
2.5°	1300.4	1301.5	1302.6	1303.8	1303.8
5°	1302.6	1303.8	1304.9	1309.4	1307.1
7.5°	1303.8	1304.9	1308.3	1315.0	1315.0
10°	1304.9	1308.3	1315.0	1321.8	1324.0
12.5°	1309.4	1312.8	1321.8	1330.8	1333.0
15°	1311.6	1318.4	1328.5	1336.4	1337.5
17.5°	1319.5	1326.3	1337.5	1340.9	1340.9
20°	1327.4	1336.4	1346.5	1346.5	1344.3
22.5°	1342.0	1352.1	1360.0	1353.3	1348.8
25°	1360.0	1372.4	1375.7	1363.4	1355.5
27.5°	1385.9	1401.6	1397.1	1380.2	1370.1
30°	1419.6	1439.9	1429.7	1405.0	1390.4
32.5°	1464.6	1489.4	1472.5	1441.0	1418.5
35°	1520.9	1550.1	1534.4	1482.6	1450.0
37.5°	1590.6	1621.0	1601.9	1535.5	1491.6
40°	1681.7	1697.5	1670.5	1598.5	1545.6
42.5°	1780.7	1772.8	1731.2	1664.8	1613.1
45°	1880.8	1834.7	1768.3	1722.2	1685.1
47.5°	1952.8	1867.3	1772.8	1749.2	1742.5
50°	1970.8	1860.6	1743.6	1734.6	1759.3
52.5°	1920.2	1824.6	1690.7	1675.0	1720.0
55°	1807.7	1761.6	1625.5	1578.2	1619.9
57.5°	1642.3	1639.0	1522.0	1437.6	1448.9
60°	1432.0	1445.5	1369.0	1249.8	1243.0
62.5°	1204.8	1212.6	1178.9	1055.2	1031.5
65°	1001.2	993.3	983.2	877.4	857.2
67.5°	833.5	809.9	794.2	730.1	719.9
70°	691.8	654.7	623.2	613.1	602.9
72.5°	560.2	533.2	482.6	510.7	509.6
75°	453.3	428.6	375.7	427.5	432.0
77.5°	371.2	354.3	303.7	351.0	365.6
80°	315.0	280.1	255.4	285.7	304.8
82.5°	240.7	213.7	208.1	220.5	238.5
85°	159.7	149.6	154.1	158.6	169.9
87.5°	81.0	86.6	93.4	101.2	106.9
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	18.3	20.1	18.7	20.4	20.8	17.4	19.2	17.8	19.5	19.8
	3H	19.4	21.1	19.8	21.4	21.7	18.6	20.2	18.9	20.5	20.9
	4H	19.8	21.4	20.2	21.7	22.1	19.0	20.6	19.4	20.9	21.3
	6H	20.2	21.6	20.6	22.0	22.4	19.5	20.9	19.9	21.3	21.6
	8H	20.4	21.7	20.8	22.1	22.5	19.7	21.0	20.1	21.4	21.8
	12H	20.5	21.8	20.9	22.2	22.6	19.8	21.1	20.3	21.5	22.0
4H	2H	18.8	20.3	19.1	20.6	21.0	18.0	19.5	18.4	19.9	20.2
	3H	20.0	21.3	20.4	21.7	22.1	19.3	20.6	19.7	21.0	21.4
	4H	20.5	21.7	21.0	22.1	22.5	19.9	21.1	20.3	21.5	21.9
	6H	21.0	22.0	21.5	22.5	22.9	20.5	21.5	20.9	21.9	22.4
	8H	21.2	22.2	21.7	22.6	23.1	20.7	21.7	21.2	22.1	22.6
	12H	21.4	22.3	21.9	22.8	23.2	21.0	21.8	21.5	22.3	22.8
8H	4H	20.7	21.7	21.2	22.1	22.6	20.1	21.1	20.6	21.5	22.0
	6H	21.3	22.1	21.8	22.6	23.1	20.8	21.6	21.3	22.1	22.6
	8H	21.6	22.3	22.1	22.8	23.3	21.2	21.9	21.7	22.4	22.9
	12H	21.9	22.5	22.4	23.0	23.6	21.5	22.2	22.0	22.6	23.2
12H	4H	20.7	21.6	21.2	22.1	22.5	20.1	21.0	20.6	21.5	21.9
	6H	21.4	22.1	21.9	22.5	23.1	20.9	21.6	21.4	22.1	22.6
	8H	21.7	22.3	22.2	22.8	23.4	21.3	21.9	21.8	22.4	23.0













(END OF REPORT)