

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: P1527368

Luminaire Tested: 24CGSB-60-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527368
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-60-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

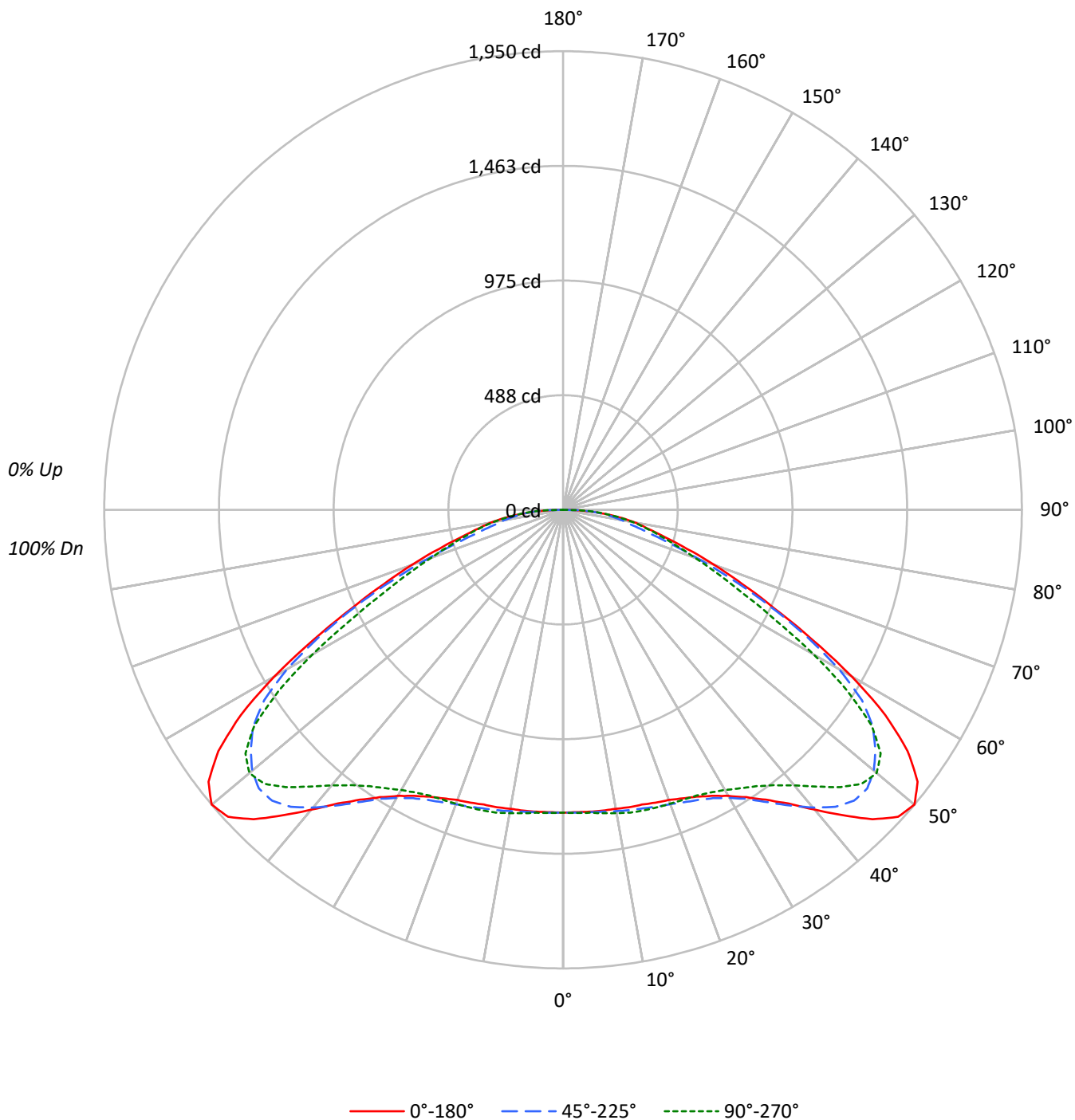
Lumens per Lamp: N/A
Luminaire Lumens: 6426.7 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	1732	1732	1732
5°	1740	1743	1746
10°	1764	1777	1789
15°	1807	1830	1843
20°	1880	1907	1904
25°	1997	2020	1991
30°	2182	2197	2137
35°	2471	2493	2356
40°	2922	2902	2685
45°	3540	3328	3172
50°	4081	3610	3643
55°	4195	3772	3759
60°	3812	3644	3309
65°	3153	3096	2699
70°	2692	2425	2346
75°	2331	1932	2221
80°	2414	1957	2337
85°	2439	2353	2594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	1.9
10°-20°	372.6	5.8
20°-30°	629.4	9.8
30°-40°	947.5	14.7
40°-50°	1347.3	21.0
50°-60°	1446.0	22.5
60°-70°	942.3	14.7
70°-80°	453.1	7.1
80°-90°	164.9	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°	1125.6	17.5
0°-40°	2073.1	32.3
0°-60°	4866.4	75.7
0°-90°	6426.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6426.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1289	1290	1291	1295	1293	123
15°	1298	1304	1314	1322	1323	369
25°	1345	1358	1361	1349	1341	626
35°	1504	1533	1518	1467	1434	955
45°	1860	1815	1749	1704	1667	1428
55°	1788	1743	1608	1561	1602	1564
65°	990	983	972	868	848	1002
75°	448	424	372	423	427	492
85°	158	148	152	157	168	172
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1287.4	1287.4	1287.4	1287.4	1287.4
2.5°	1286.3	1287.4	1288.6	1289.7	1289.7
5°	1288.6	1289.7	1290.8	1295.2	1293.0
7.5°	1289.7	1290.8	1294.1	1300.8	1300.8
10°	1290.8	1294.1	1300.8	1307.5	1309.7
12.5°	1295.2	1298.6	1307.5	1316.4	1318.6
15°	1297.5	1304.1	1314.1	1321.9	1323.0
17.5°	1305.2	1311.9	1323.0	1326.4	1326.4
20°	1313.0	1321.9	1332.0	1332.0	1329.7
22.5°	1327.5	1337.5	1345.3	1338.6	1334.2
25°	1345.3	1357.5	1360.9	1348.6	1340.9
27.5°	1370.9	1386.5	1382.0	1365.3	1355.3
30°	1404.3	1424.3	1414.3	1389.8	1375.3
32.5°	1448.8	1473.3	1456.6	1425.4	1403.2
35°	1504.4	1533.4	1517.8	1466.6	1434.3
37.5°	1573.4	1603.5	1584.5	1518.9	1475.5
40°	1663.5	1679.1	1652.4	1581.2	1528.9
42.5°	1761.5	1753.7	1712.5	1646.9	1595.7
45°	1860.5	1814.9	1749.2	1703.6	1666.9
47.5°	1931.7	1847.2	1753.7	1730.3	1723.6
50°	1949.5	1840.5	1724.7	1715.8	1740.3
52.5°	1899.4	1804.9	1672.5	1656.9	1701.4
55°	1788.2	1742.6	1607.9	1561.2	1602.3
57.5°	1624.6	1621.3	1505.5	1422.1	1433.2
60°	1416.5	1429.9	1354.2	1236.3	1229.6
62.5°	1191.7	1199.5	1166.2	1043.8	1020.4
65°	990.3	982.6	972.5	867.9	847.9
67.5°	824.5	801.2	785.6	722.2	712.2
70°	684.3	647.6	616.5	606.4	596.4
72.5°	554.1	527.4	477.4	505.2	504.1
75°	448.4	424.0	371.7	422.8	427.3
77.5°	367.2	350.5	300.4	347.2	361.6
80°	311.6	277.1	252.6	282.6	301.6
82.5°	238.1	211.4	205.9	218.1	235.9
85°	158.0	148.0	152.4	156.9	168.0
87.5°	80.1	85.7	92.4	100.1	105.7
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	20.7	17.4	19.2	17.8	19.5	19.8
	3H	19.4	21.0	19.8	21.3	21.7	18.5	20.1	18.9	20.5	20.8
	4H	19.8	21.3	20.2	21.7	22.0	19.0	20.5	19.4	20.9	21.2
	6H	20.2	21.6	20.6	21.9	22.3	19.4	20.9	19.8	21.2	21.6
	8H	20.3	21.7	20.7	22.1	22.5	19.6	21.0	20.1	21.4	21.8
	12H	20.4	21.7	20.9	22.1	22.6	19.8	21.1	20.2	21.5	21.9
4H	2H	18.7	20.2	19.1	20.6	21.0	18.0	19.5	18.4	19.8	20.2
	3H	20.0	21.3	20.4	21.7	22.1	19.3	20.6	19.7	21.0	21.3
	4H	20.5	21.7	20.9	22.1	22.5	19.9	21.0	20.3	21.4	21.9
	6H	21.0	22.0	21.4	22.4	22.9	20.4	21.5	20.9	21.9	22.3
	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	22.7	23.2	20.9	21.8	21.4	22.3	22.7
8H	4H	20.7	21.6	21.1	22.1	22.5	20.1	21.0	20.5	21.5	21.9
	6H	21.3	22.1	21.7	22.5	23.0	20.8	21.6	21.3	22.1	22.5
	8H	21.6	22.3	22.1	22.8	23.3	21.1	21.8	21.6	22.3	22.8
	12H	21.8	22.5	22.4	23.0	23.5	21.5	22.1	22.0	22.6	23.2
12H	4H	20.7	21.6	21.2	22.0	22.5	20.1	21.0	20.6	21.4	21.9
	6H	21.3	22.0	21.8	22.5	23.0	20.8	21.6	21.4	22.0	22.6
	8H	21.7	22.3	22.2	22.8	23.3	21.2	21.9	21.7	22.4	22.9













(END OF REPORT)