

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: P1527373

Luminaire Tested: 24CGSB-70-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527373
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

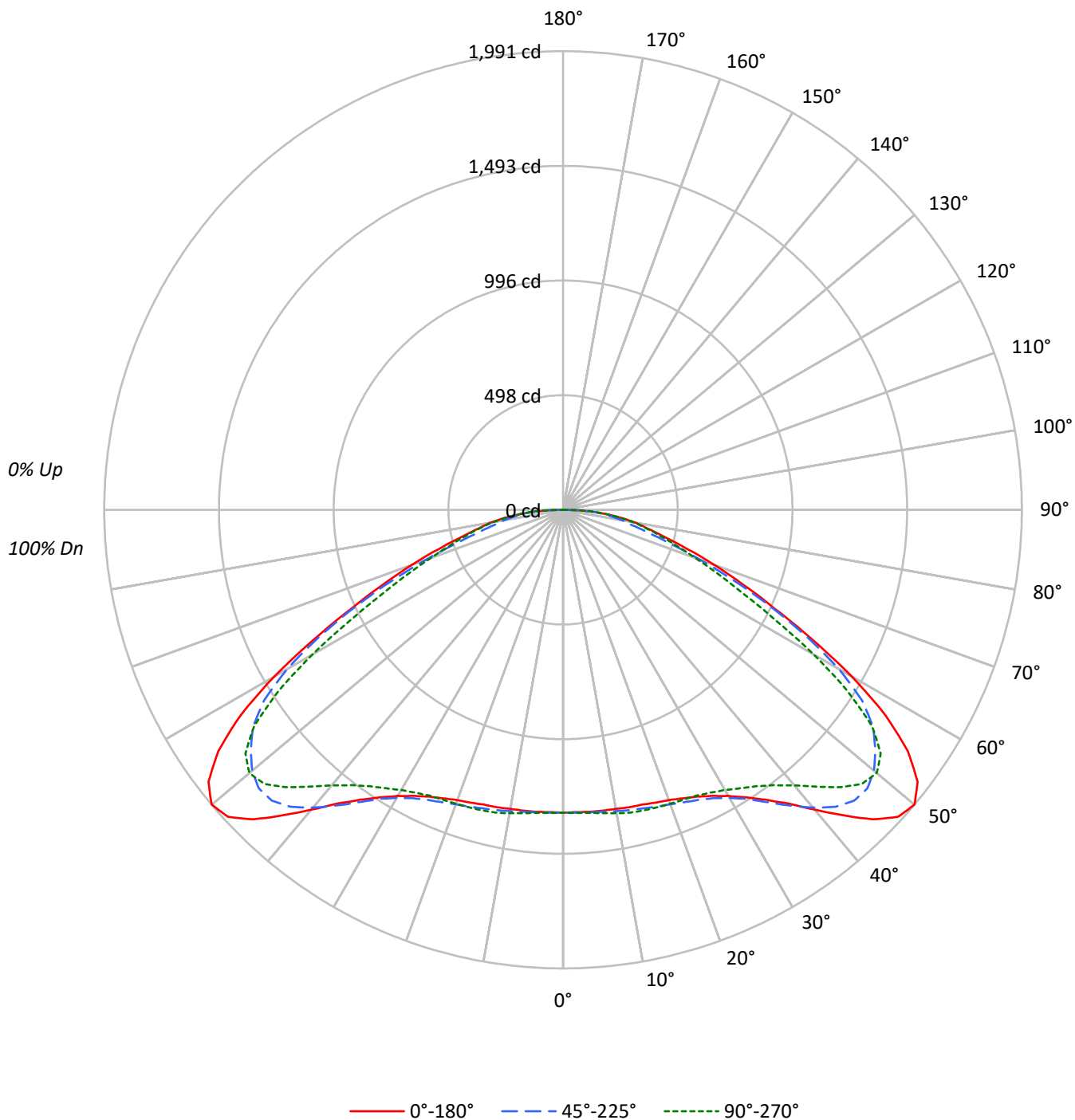
Lumens per Lamp: N/A
Luminaire Lumens: 6562.6 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	1769	1769	1769
5°	1777	1780	1783
10°	1801	1815	1827
15°	1846	1869	1882
20°	1920	1947	1944
25°	2039	2063	2033
30°	2228	2244	2182
35°	2523	2546	2406
40°	2984	2964	2742
45°	3615	3399	3239
50°	4167	3687	3720
55°	4283	3852	3838
60°	3893	3721	3379
65°	3220	3162	2756
70°	2749	2476	2396
75°	2380	1973	2268
80°	2466	1998	2386
85°	2490	2404	2649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	1.9
10°-20°	380.5	5.8
20°-30°	642.7	9.8
30°-40°	967.5	14.7
40°-50°	1375.8	21.0
50°-60°	1476.5	22.5
60°-70°	962.2	14.7
70°-80°	462.7	7.1
80°-90°	168.4	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°	1149.4	17.5
0°-40°	2116.9	32.3
0°-60°	4969.3	75.7
0°-90°	6562.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6562.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1315	1315	1315	1315	1315	
5°	1316	1317	1318	1323	1320	126
15°	1325	1332	1342	1350	1351	377
25°	1374	1386	1390	1377	1369	640
35°	1536	1566	1550	1498	1465	975
45°	1900	1853	1786	1740	1702	1458
55°	1826	1779	1642	1594	1636	1597
65°	1011	1003	993	886	866	1023
75°	458	433	380	432	436	503
85°	161	151	156	160	172	176
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1314.7	1314.7	1314.7	1314.7	1314.7
2.5°	1313.5	1314.7	1315.8	1316.9	1316.9
5°	1315.8	1316.9	1318.1	1322.6	1320.3
7.5°	1316.9	1318.1	1321.5	1328.3	1328.3
10°	1318.1	1321.5	1328.3	1335.1	1337.4
12.5°	1322.6	1326.0	1335.1	1344.2	1346.5
15°	1324.9	1331.7	1341.9	1349.9	1351.0
17.5°	1332.8	1339.6	1351.0	1354.4	1354.4
20°	1340.8	1349.9	1360.1	1360.1	1357.8
22.5°	1355.6	1365.8	1373.7	1366.9	1362.4
25°	1373.7	1386.2	1389.6	1377.1	1369.2
27.5°	1399.9	1415.8	1411.2	1394.2	1384.0
30°	1434.0	1454.4	1444.2	1419.2	1404.4
32.5°	1479.4	1504.4	1487.4	1455.5	1432.8
35°	1536.2	1565.8	1549.9	1497.6	1464.6
37.5°	1606.7	1637.3	1618.0	1551.0	1506.7
40°	1698.7	1714.6	1687.3	1614.6	1561.2
42.5°	1798.7	1790.7	1748.7	1681.7	1629.4
45°	1899.8	1853.2	1786.2	1739.6	1702.1
47.5°	1972.5	1886.2	1790.7	1766.9	1760.1
50°	1990.7	1879.4	1761.2	1752.1	1777.1
52.5°	1939.6	1843.0	1707.8	1691.9	1737.3
55°	1826.0	1779.4	1641.9	1594.2	1636.2
57.5°	1658.9	1655.5	1537.4	1452.1	1463.5
60°	1446.5	1460.1	1382.8	1262.4	1255.6
62.5°	1216.9	1224.9	1190.8	1065.8	1041.9
65°	1011.3	1003.3	993.1	886.3	865.8
67.5°	842.0	818.1	802.2	737.4	727.2
70°	698.8	661.3	629.5	619.3	609.0
72.5°	565.9	538.6	487.5	515.9	514.7
75°	457.9	432.9	379.5	431.8	436.3
77.5°	375.0	357.9	306.8	354.5	369.3
80°	318.2	282.9	257.9	288.6	307.9
82.5°	243.2	215.9	210.2	222.7	240.9
85°	161.3	151.1	155.7	160.2	171.6
87.5°	81.8	87.5	94.3	102.3	107.9
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	18.4	20.2	18.7	20.5	20.8	17.5	19.2	17.8	19.6	19.9
	3H	19.5	21.1	19.9	21.4	21.8	18.6	20.2	19.0	20.5	20.9
	4H	19.9	21.4	20.3	21.7	22.1	19.1	20.6	19.5	20.9	21.3
	6H	20.2	21.6	20.6	22.0	22.4	19.5	20.9	19.9	21.3	21.7
	8H	20.4	21.7	20.8	22.1	22.5	19.7	21.1	20.1	21.4	21.8
	12H	20.5	21.8	20.9	22.2	22.6	19.9	21.2	20.3	21.6	22.0
4H	2H	18.8	20.3	19.2	20.7	21.0	18.0	19.6	18.4	19.9	20.3
	3H	20.1	21.3	20.5	21.7	22.1	19.3	20.6	19.8	21.0	21.4
	4H	20.6	21.7	21.0	22.1	22.6	19.9	21.1	20.4	21.5	21.9
	6H	21.1	22.1	21.5	22.5	23.0	20.5	21.5	21.0	22.0	22.4
	8H	21.3	22.2	21.7	22.7	23.1	20.8	21.7	21.2	22.2	22.6
	12H	21.5	22.3	22.0	22.8	23.3	21.0	21.9	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	22.4	22.1	22.9	23.3	21.2	21.9	21.7	22.4	22.9
	12H	21.9	22.6	22.4	23.1	23.6	21.6	22.2	22.1	22.7	23.2
12H	4H	20.8	21.6	21.2	22.1	22.6	20.2	21.0	20.7	21.5	22.0
	6H	21.4	22.1	21.9	22.6	23.1	20.9	21.6	21.4	22.1	22.6
	8H	21.7	22.4	22.2	22.9	23.4	21.3	22.0	21.8	22.4	23.0















(END OF REPORT)