

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: P1527374

Luminaire Tested: 24CGSB-70-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527374
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

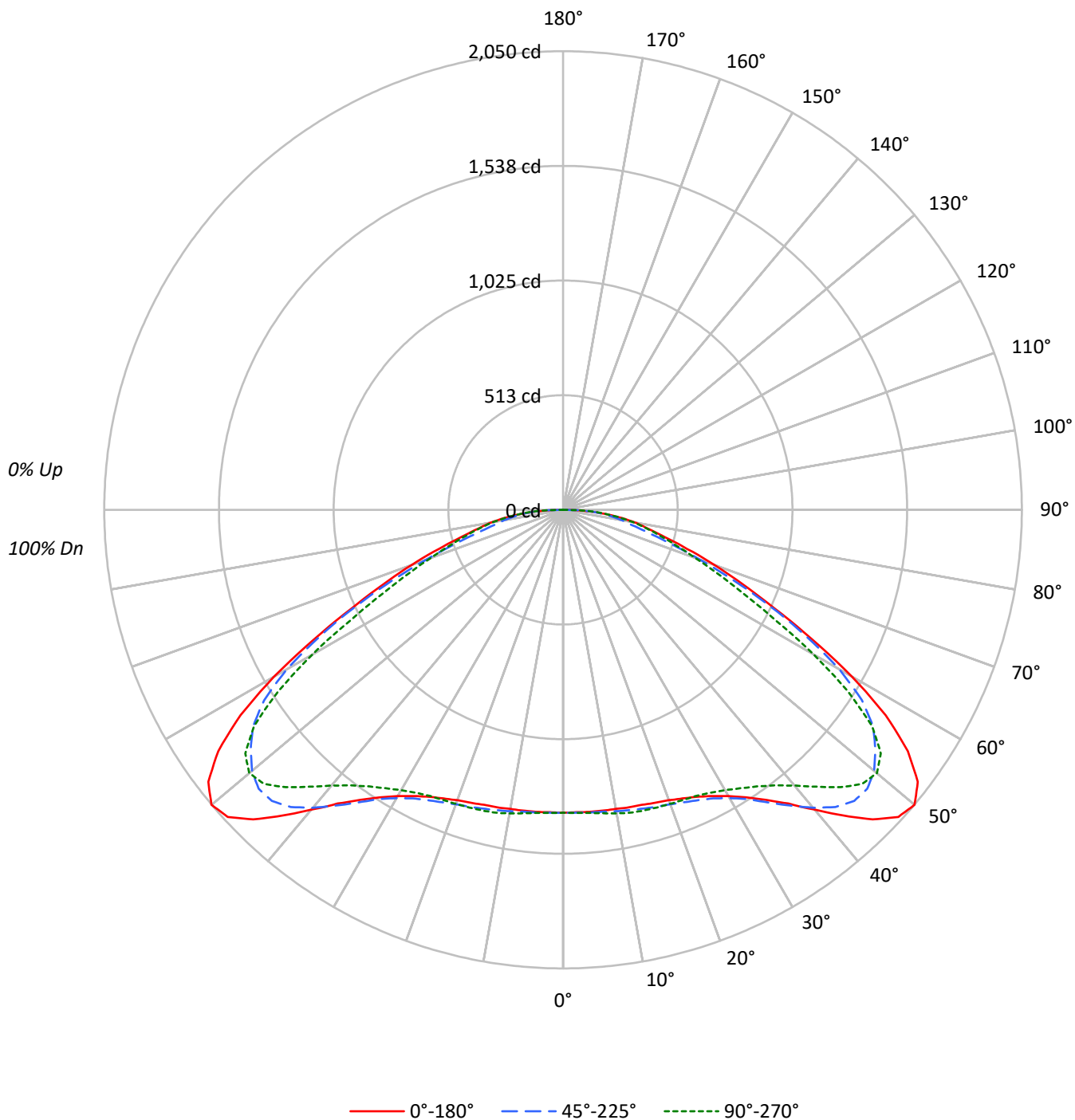
Lumens per Lamp: N/A
Luminaire Lumens: 6759.4 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1822	1822	1822
5°	1831	1834	1837
10°	1855	1869	1882
15°	1901	1925	1938
20°	1977	2006	2003
25°	2101	2125	2094
30°	2295	2311	2247
35°	2599	2622	2478
40°	3073	3053	2824
45°	3723	3501	3336
50°	4292	3797	3831
55°	4412	3967	3953
60°	4009	3833	3480
65°	3316	3257	2839
70°	2832	2551	2468
75°	2452	2032	2336
80°	2539	2059	2458
85°	2566	2475	2728

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	1.9
10°-20°	391.9	5.8
20°-30°	662.0	9.8
30°-40°	996.6	14.7
40°-50°	1417.1	21.0
50°-60°	1520.8	22.5
60°-70°	991.1	14.7
70°-80°	476.5	7.0
80°-90°	173.4	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°	1183.9	17.5
0°-40°	2180.5	32.3
0°-60°	5118.4	75.7
0°-90°	6759.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6759.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1355	1356	1358	1362	1360	129
15°	1365	1372	1382	1390	1392	388
25°	1415	1428	1431	1418	1410	659
35°	1582	1613	1596	1542	1509	1004
45°	1957	1909	1840	1792	1753	1502
55°	1881	1833	1691	1642	1685	1645
65°	1042	1033	1023	913	892	1054
75°	472	446	391	445	449	518
85°	166	156	160	165	177	181
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.1	1354.1	1354.1	1354.1	1354.1
2.5°	1352.9	1354.1	1355.3	1356.4	1356.4
5°	1355.3	1356.4	1357.6	1362.3	1359.9
7.5°	1356.4	1357.6	1361.1	1368.1	1368.1
10°	1357.6	1361.1	1368.1	1375.2	1377.5
12.5°	1362.3	1365.8	1375.2	1384.5	1386.9
15°	1364.6	1371.6	1382.2	1390.4	1391.5
17.5°	1372.8	1379.8	1391.5	1395.1	1395.1
20°	1381.0	1390.4	1400.9	1400.9	1398.6
22.5°	1396.2	1406.8	1414.9	1407.9	1403.2
25°	1414.9	1427.8	1431.3	1418.5	1410.3
27.5°	1441.9	1458.3	1453.6	1436.0	1425.5
30°	1477.0	1498.0	1487.5	1461.8	1446.5
32.5°	1523.8	1549.5	1532.0	1499.2	1475.8
35°	1582.3	1612.7	1596.4	1542.5	1508.6
37.5°	1654.9	1686.5	1666.6	1597.5	1551.9
40°	1749.7	1766.1	1738.0	1663.1	1608.1
42.5°	1852.7	1844.5	1801.2	1732.1	1678.3
45°	1956.8	1908.8	1839.8	1791.8	1753.2
47.5°	2031.7	1942.8	1844.5	1819.9	1812.9
50°	2050.4	1935.8	1814.0	1804.7	1830.4
52.5°	1997.8	1898.3	1759.0	1742.6	1789.5
55°	1880.7	1832.8	1691.2	1642.0	1685.3
57.5°	1708.7	1705.2	1583.5	1495.7	1507.4
60°	1489.9	1503.9	1424.3	1300.3	1293.2
62.5°	1253.4	1261.6	1226.5	1097.8	1073.2
65°	1041.6	1033.4	1022.9	912.9	891.8
67.5°	867.2	842.6	826.3	759.6	749.0
70°	719.8	681.1	648.4	637.8	627.3
72.5°	582.8	554.7	502.1	531.3	530.2
75°	471.6	445.9	390.9	444.7	449.4
77.5°	386.2	368.7	316.0	365.1	380.4
80°	327.7	291.4	265.7	297.3	317.2
82.5°	250.5	222.4	216.5	229.4	248.1
85°	166.2	155.7	160.3	165.0	176.7
87.5°	84.3	90.1	97.1	105.3	111.2
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	18.8	20.6	20.9	17.6	19.4	17.9	19.7	20.0
	3H	19.6	21.2	20.0	21.5	21.9	18.7	20.3	19.1	20.6	21.0
	4H	20.0	21.5	20.4	21.8	22.2	19.2	20.7	19.6	21.0	21.4
	6H	20.3	21.8	20.7	22.1	22.5	19.6	21.0	20.0	21.4	21.8
	8H	20.5	21.8	20.9	22.2	22.6	19.8	21.2	20.2	21.5	21.9
	12H	20.6	21.9	21.1	22.3	22.7	20.0	21.3	20.4	21.7	22.1
4H	2H	18.9	20.4	19.3	20.8	21.1	18.1	19.7	18.5	20.0	20.4
	3H	20.2	21.5	20.6	21.8	22.2	19.5	20.7	19.9	21.1	21.5
	4H	20.7	21.8	21.1	22.2	22.7	20.0	21.2	20.5	21.6	22.0
	6H	21.2	22.2	21.6	22.6	23.1	20.6	21.6	21.1	22.1	22.5
	8H	21.4	22.3	21.8	22.8	23.2	20.9	21.8	21.3	22.3	22.7
	12H	21.6	22.4	22.1	22.9	23.4	21.1	22.0	21.6	22.5	22.9
8H	4H	20.8	21.8	21.3	22.2	22.7	20.2	21.2	20.7	21.6	22.1
	6H	21.4	22.2	21.9	22.7	23.2	20.9	21.7	21.4	22.2	22.7
	8H	21.7	22.5	22.2	23.0	23.4	21.3	22.0	21.8	22.5	23.0
	12H	22.0	22.7	22.5	23.2	23.7	21.7	22.3	22.2	22.8	23.3
12H	4H	20.9	21.7	21.3	22.2	22.7	20.3	21.1	20.8	21.6	22.1
	6H	21.5	22.2	22.0	22.7	23.2	21.0	21.7	21.5	22.2	22.7
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.1	21.9	22.6	23.1













(END OF REPORT)