

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: P1527367

Luminaire Tested: 24CGSB-60-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527367
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

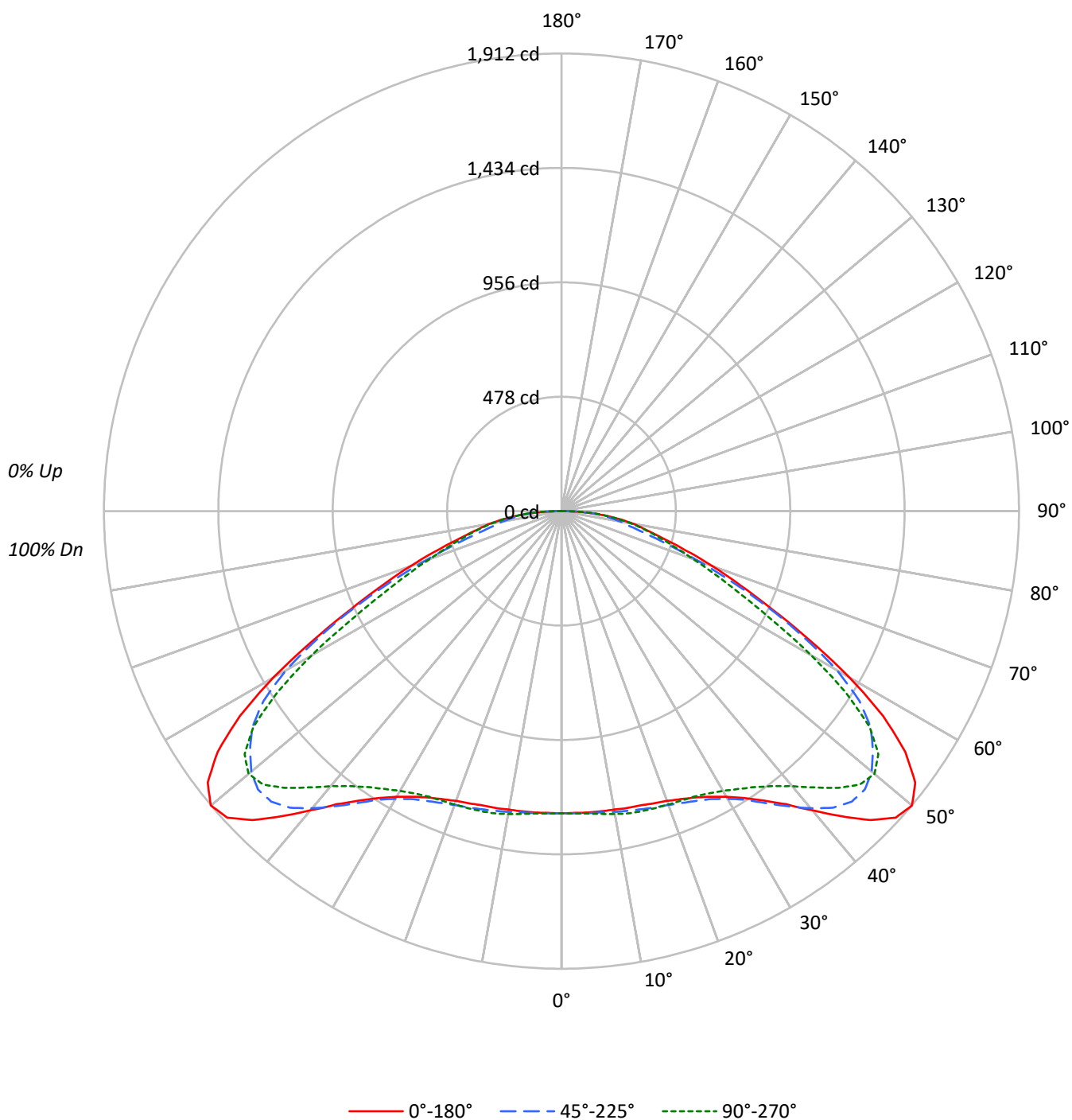
Lumens per Lamp: N/A
Luminaire Lumens: 6304.3 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1699	1699	1699
5°	1707	1710	1713
10°	1730	1743	1755
15°	1773	1796	1808
20°	1844	1871	1868
25°	1959	1982	1953
30°	2140	2156	2096
35°	2424	2446	2311
40°	2866	2847	2634
45°	3473	3265	3111
50°	4003	3542	3574
55°	4115	3700	3687
60°	3739	3575	3246
65°	3093	3037	2648
70°	2641	2379	2302
75°	2287	1895	2179
80°	2368	1920	2292
85°	2393	2308	2544

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	1.9
10°-20°	365.5	5.8
20°-30°	617.4	9.8
30°-40°	929.5	14.7
40°-50°	1321.7	21.0
50°-60°	1418.4	22.5
60°-70°	924.4	14.7
70°-80°	444.5	7.1
80°-90°	161.7	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°	1104.2	17.5
0°-40°	2033.6	32.3
0°-60°	4773.7	75.7
0°-90°	6304.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6304.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1264	1265	1266	1271	1268	121
15°	1273	1279	1289	1297	1298	362
25°	1320	1332	1335	1323	1315	614
35°	1476	1504	1489	1439	1407	937
45°	1825	1780	1716	1671	1635	1401
55°	1754	1709	1577	1531	1572	1535
65°	972	964	954	851	832	983
75°	440	416	365	415	419	483
85°	155	145	150	154	165	169
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1262.9	1262.9	1262.9	1262.9	1262.9
2.5°	1261.8	1262.9	1264.0	1265.1	1265.1
5°	1264.0	1265.1	1266.2	1270.6	1268.4
7.5°	1265.1	1266.2	1269.5	1276.0	1276.0
10°	1266.2	1269.5	1276.0	1282.6	1284.8
12.5°	1270.6	1273.8	1282.6	1291.3	1293.5
15°	1272.7	1279.3	1289.1	1296.8	1297.8
17.5°	1280.4	1286.9	1297.8	1301.1	1301.1
20°	1288.0	1296.8	1306.6	1306.6	1304.4
22.5°	1302.2	1312.0	1319.7	1313.1	1308.8
25°	1319.7	1331.7	1335.0	1323.0	1315.3
27.5°	1344.8	1360.1	1355.7	1339.3	1329.5
30°	1377.5	1397.2	1387.4	1363.3	1349.2
32.5°	1421.2	1445.2	1428.8	1398.3	1376.4
35°	1475.8	1504.2	1488.9	1438.7	1407.0
37.5°	1543.4	1572.9	1554.4	1490.0	1447.4
40°	1631.9	1647.1	1620.9	1551.1	1499.8
42.5°	1727.9	1720.3	1679.9	1615.5	1565.3
45°	1825.1	1780.3	1715.9	1671.2	1635.1
47.5°	1894.9	1812.0	1720.3	1697.4	1690.8
50°	1912.4	1805.4	1691.9	1683.2	1707.2
52.5°	1863.3	1770.5	1640.6	1625.3	1669.0
55°	1754.1	1709.4	1577.3	1531.4	1571.8
57.5°	1593.7	1590.4	1476.9	1395.0	1405.9
60°	1389.5	1402.6	1328.4	1212.7	1206.2
62.5°	1169.0	1176.7	1143.9	1023.9	1000.9
65°	971.5	963.8	954.0	851.4	831.8
67.5°	808.8	785.9	770.6	708.4	698.6
70°	671.3	635.3	604.7	594.9	585.1
72.5°	543.6	517.4	468.3	495.6	494.5
75°	439.9	415.9	364.6	414.8	419.2
77.5°	360.2	343.8	294.7	340.6	354.8
80°	305.6	271.8	247.8	277.3	295.8
82.5°	233.6	207.4	201.9	213.9	231.4
85°	155.0	145.2	149.5	153.9	164.8
87.5°	78.6	84.0	90.6	98.2	103.7
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	18.2	20.0	18.6	20.3	20.6	17.3	19.1	17.7	19.4	19.7
	3H	19.3	21.0	19.7	21.3	21.6	18.5	20.1	18.8	20.4	20.8
	4H	19.7	21.3	20.1	21.6	22.0	18.9	20.5	19.3	20.8	21.2
	6H	20.1	21.5	20.5	21.9	22.3	19.4	20.8	19.8	21.1	21.5
	8H	20.2	21.6	20.7	22.0	22.4	19.6	20.9	20.0	21.3	21.7
	12H	20.4	21.7	20.8	22.1	22.5	19.7	21.0	20.2	21.4	21.8
4H	2H	18.6	20.2	19.0	20.5	20.9	17.9	19.4	18.3	19.8	20.1
	3H	19.9	21.2	20.3	21.6	22.0	19.2	20.5	19.6	20.9	21.3
	4H	20.4	21.6	20.9	22.0	22.4	19.8	21.0	20.2	21.4	21.8
	6H	20.9	21.9	21.4	22.4	22.8	20.4	21.4	20.8	21.8	22.3
	8H	21.1	22.1	21.6	22.5	23.0	20.6	21.6	21.1	22.0	22.5
	12H	21.3	22.2	21.8	22.7	23.1	20.9	21.7	21.4	22.2	22.7
8H	4H	20.6	21.5	21.0	22.0	22.4	20.0	21.0	20.5	21.4	21.9
	6H	21.2	22.0	21.7	22.5	22.9	20.7	21.5	21.2	22.0	22.5
	8H	21.5	22.2	22.0	22.7	23.2	21.1	21.8	21.6	22.3	22.8
	12H	21.8	22.4	22.3	22.9	23.5	21.4	22.1	21.9	22.5	23.1
12H	4H	20.6	21.5	21.1	22.0	22.4	20.0	20.9	20.5	21.4	21.8
	6H	21.3	22.0	21.8	22.4	23.0	20.8	21.5	21.3	22.0	22.5
	8H	21.6	22.2	22.1	22.7	23.3	21.2	21.8	21.7	22.3	22.9













(END OF REPORT)