

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: P1527304

Luminaire Tested: 22CGSB-60-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-60-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

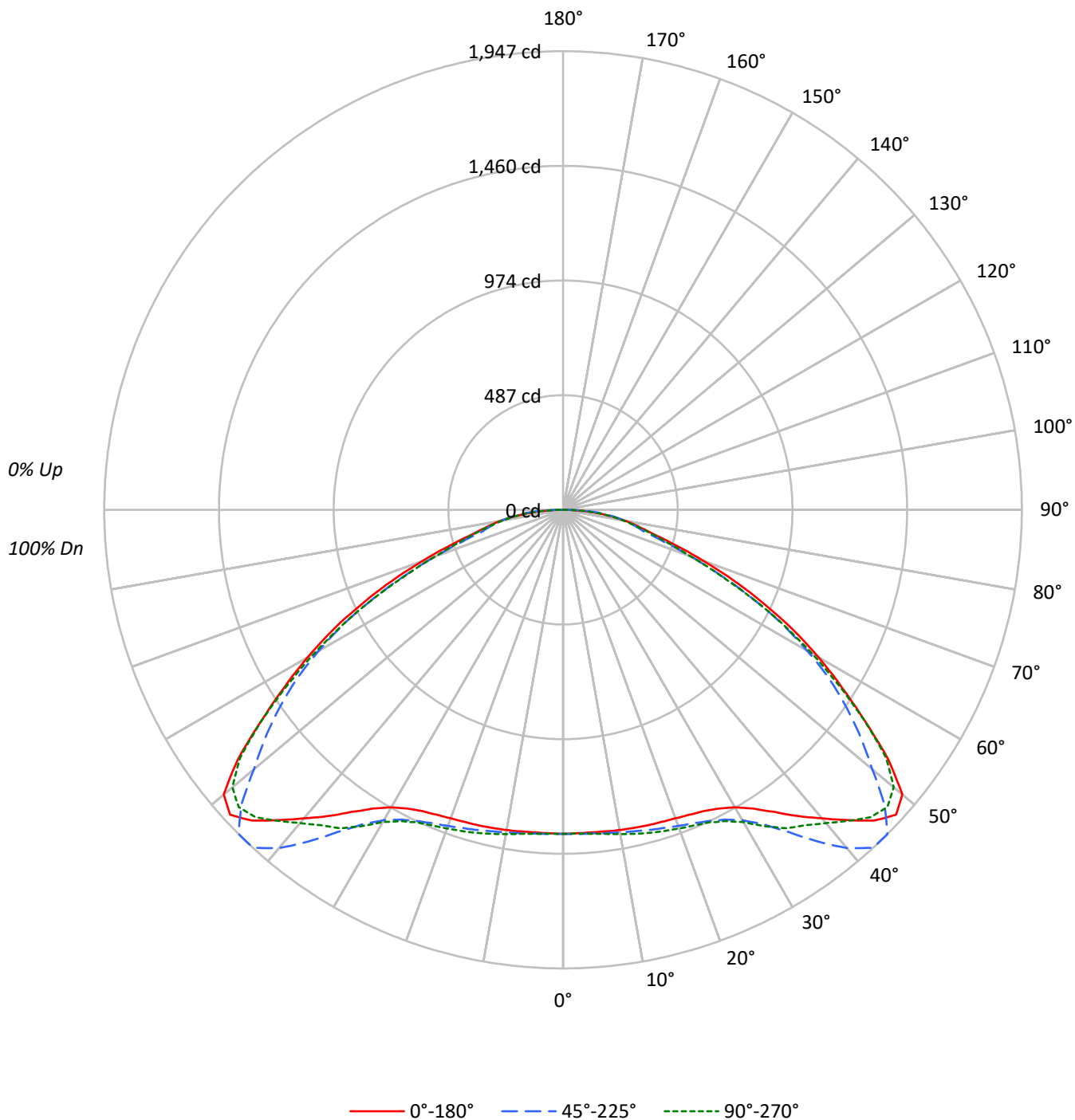
Lumens per Lamp: N/A
Luminaire Lumens: 6508.2 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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				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	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3701	3701	3701
5°	3712	3726	3729
10°	3772	3799	3819
15°	3863	3921	3955
20°	3992	4090	4122
25°	4190	4329	4347
30°	4530	4725	4755
35°	5145	5484	5419
40°	6007	6585	6097
45°	7101	7410	7022
50°	7868	7169	7668
55°	7336	6903	7330
60°	6735	6444	6563
65°	5957	5620	5612
70°	4991	4497	4507
75°	4103	3681	3975
80°	4172	4153	3981
85°	4100	4934	4174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7868 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	2.0
10°-20°	398.9	6.1
20°-30°	674.4	10.4
30°-40°	1037.0	15.9
40°-50°	1441.2	22.1
50°-60°	1356.6	20.8
60°-70°	895.9	13.8
70°-80°	416.3	6.4
80°-90°	155.8	2.4
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°	1205.3	18.5
0°-40°	2242.3	34.5
0°-60°	5040.1	77.4
0°-90°	6508.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6508.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1374	1378	1379	1382	1380	131
15°	1387	1393	1408	1417	1420	393
25°	1411	1430	1458	1466	1464	657
35°	1566	1621	1669	1663	1650	991
45°	1866	1932	1947	1900	1845	1428
55°	1564	1542	1471	1522	1562	1401
65°	936	927	883	896	881	929
75°	395	380	354	365	382	442
85°	133	152	160	155	135	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1375.5	1375.5	1375.5	1375.5	1375.5
2.5°	1374.3	1376.8	1378.0	1379.2	1375.5
5°	1374.3	1378.0	1379.2	1381.7	1380.5
7.5°	1376.8	1380.5	1384.1	1386.6	1387.8
10°	1380.5	1384.1	1390.3	1397.7	1397.7
12.5°	1382.9	1389.1	1397.7	1407.5	1408.7
15°	1386.6	1392.8	1407.5	1417.3	1419.8
17.5°	1389.1	1398.9	1416.1	1428.4	1429.6
20°	1394.0	1405.0	1428.4	1439.5	1439.5
22.5°	1401.4	1416.1	1440.7	1450.5	1450.5
25°	1411.2	1429.6	1457.9	1466.5	1464.1
27.5°	1429.6	1451.8	1482.5	1492.3	1489.9
30°	1457.9	1487.4	1520.6	1532.9	1530.4
32.5°	1503.4	1540.3	1582.1	1593.1	1591.9
35°	1566.1	1621.4	1669.3	1663.2	1649.7
37.5°	1638.6	1721.0	1775.1	1717.3	1687.8
40°	1709.9	1821.8	1874.6	1781.2	1735.7
42.5°	1786.1	1900.4	1945.9	1855.0	1791.0
45°	1866.0	1932.4	1947.1	1900.4	1845.1
47.5°	1916.4	1882.0	1850.0	1878.3	1867.2
50°	1879.5	1764.0	1712.4	1766.4	1831.6
52.5°	1739.4	1654.6	1594.4	1644.8	1727.1
55°	1563.6	1541.5	1471.4	1521.8	1562.4
57.5°	1402.6	1419.8	1343.6	1381.7	1387.8
60°	1251.4	1263.7	1197.3	1229.3	1219.4
62.5°	1097.7	1099.0	1047.3	1065.8	1051.0
65°	935.5	926.9	882.6	896.1	881.4
67.5°	783.0	763.4	721.6	727.7	714.2
70°	634.3	610.9	571.6	580.2	572.8
72.5°	501.5	483.1	448.7	459.7	467.1
75°	394.6	379.8	354.0	365.1	382.3
77.5°	327.0	308.5	311.0	303.6	315.9
80°	269.2	258.1	268.0	260.6	256.9
82.5°	200.4	211.4	215.1	218.8	200.4
85°	132.8	152.4	159.8	154.9	135.2
87.5°	65.2	82.4	84.8	83.6	70.1
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	19.8	21.5	20.1	21.8	22.2	19.6	21.4	20.0	21.7	22.0
	3H	21.0	22.6	21.4	23.0	23.3	20.8	22.4	21.1	22.7	23.0
	4H	21.4	22.9	21.8	23.3	23.6	21.2	22.7	21.6	23.0	23.4
	6H	21.8	23.2	22.2	23.5	23.9	21.5	22.9	21.9	23.3	23.6
	8H	21.9	23.3	22.3	23.6	24.0	21.7	23.0	22.1	23.4	23.8
	12H	22.0	23.3	22.5	23.7	24.1	21.8	23.1	22.2	23.5	23.9
4H	2H	20.2	21.7	20.6	22.1	22.4	20.1	21.6	20.5	21.9	22.3
	3H	21.7	22.9	22.1	23.3	23.7	21.4	22.7	21.8	23.1	23.5
	4H	22.2	23.3	22.6	23.7	24.1	21.9	23.0	22.3	23.5	23.9
	6H	22.6	23.6	23.1	24.1	24.5	22.4	23.4	22.8	23.8	24.3
	8H	22.8	23.8	23.3	24.2	24.7	22.6	23.6	23.1	24.0	24.5
	12H	23.0	23.9	23.5	24.4	24.8	22.8	23.7	23.3	24.2	24.6
8H	4H	22.3	23.3	22.8	23.7	24.2	22.1	23.0	22.6	23.5	24.0
	6H	23.0	23.7	23.4	24.2	24.7	22.7	23.5	23.2	24.0	24.5
	8H	23.3	24.0	23.8	24.5	24.9	23.1	23.8	23.6	24.3	24.8
	12H	23.6	24.2	24.1	24.7	25.2	23.4	24.0	23.9	24.5	25.1
12H	4H	22.4	23.2	22.9	23.7	24.2	22.2	23.0	22.6	23.5	23.9
	6H	23.0	23.7	23.5	24.2	24.7	22.8	23.5	23.3	24.0	24.5
	8H	23.4	24.0	23.9	24.5	25.1	23.2	23.9	23.7	24.3	24.9















(END OF REPORT)