

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: P1527288

Luminaire Tested: 22CGSB-50-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527288
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-50-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

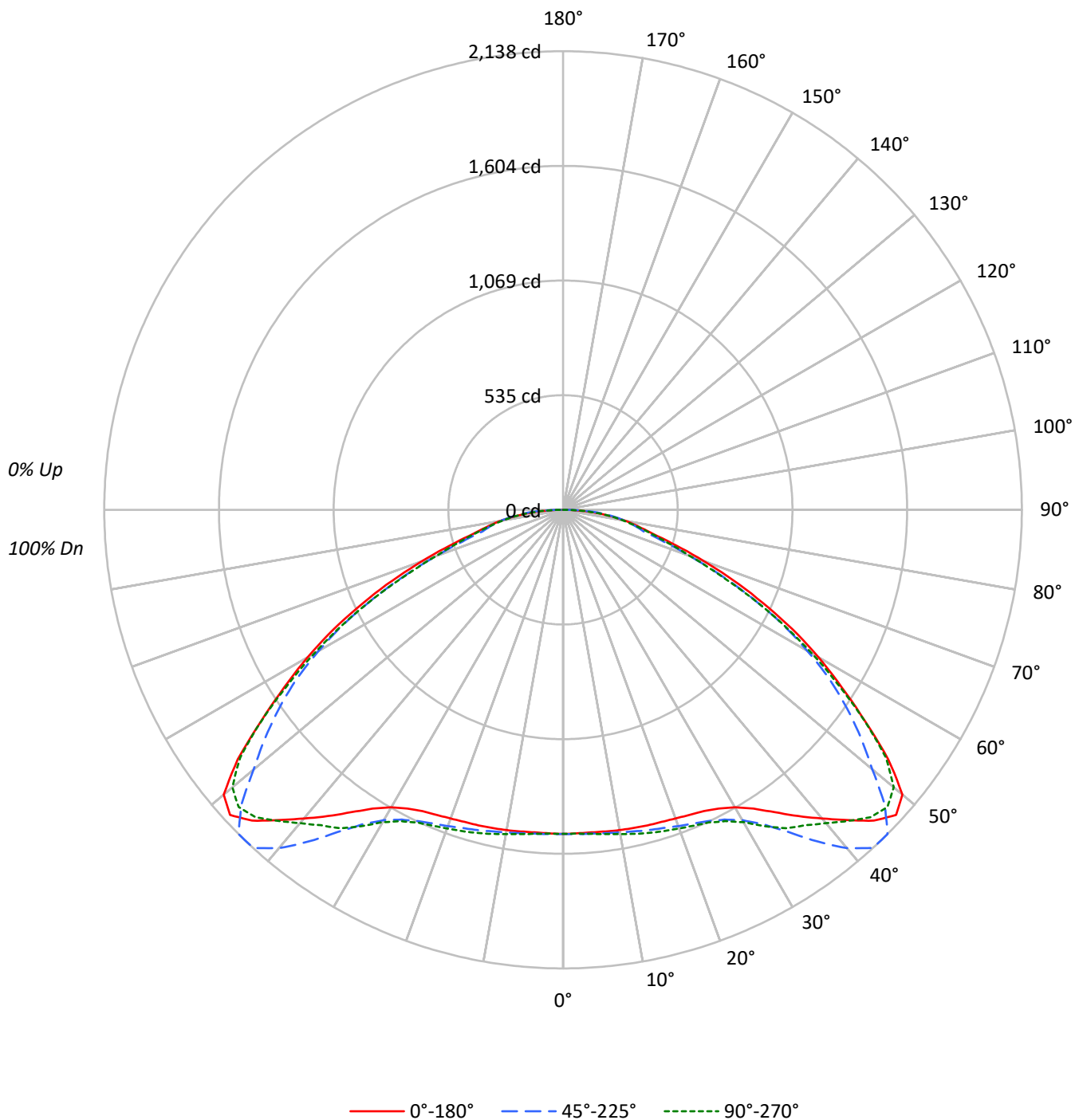
Lumens per Lamp: N/A
Luminaire Lumens: 7147.7 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 42.5
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°	4065	4065	4065
5°	4077	4092	4095
10°	4143	4172	4194
15°	4243	4306	4344
20°	4384	4493	4527
25°	4602	4754	4774
30°	4975	5189	5223
35°	5650	6023	5952
40°	6597	7232	6696
45°	7799	8138	7712
50°	8642	7873	8421
55°	8057	7582	8050
60°	7397	7077	7208
65°	6542	6172	6164
70°	5481	4939	4950
75°	4506	4042	4366
80°	4582	4561	4373
85°	4502	5419	4585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8642 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	2.0
10°-20°	438.1	6.1
20°-30°	740.7	10.4
30°-40°	1138.9	15.9
40°-50°	1582.8	22.1
50°-60°	1489.9	20.8
60°-70°	984.0	13.8
70°-80°	457.3	6.4
80°-90°	171.2	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°	1323.7	18.5
0°-40°	2462.6	34.5
0°-60°	5535.3	77.4
0°-90°	7147.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7147.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1511	1511	1511	1511	1511	
5°	1509	1513	1515	1518	1516	144
15°	1523	1530	1546	1557	1559	432
25°	1550	1570	1601	1611	1608	721
35°	1720	1781	1833	1827	1812	1089
45°	2049	2122	2138	2087	2026	1568
55°	1717	1693	1616	1671	1716	1539
65°	1027	1018	969	984	968	1020
75°	433	417	389	401	420	485
85°	146	167	176	170	148	159
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1510.7	1510.7	1510.7	1510.7	1510.7
2.5°	1509.4	1512.1	1513.4	1514.8	1510.7
5°	1509.4	1513.4	1514.8	1517.5	1516.1
7.5°	1512.1	1516.1	1520.2	1522.9	1524.2
10°	1516.1	1520.2	1526.9	1535.0	1535.0
12.5°	1518.8	1525.6	1535.0	1545.8	1547.2
15°	1522.9	1529.6	1545.8	1556.6	1559.3
17.5°	1525.6	1536.4	1555.3	1568.8	1570.1
20°	1531.0	1543.1	1568.8	1580.9	1580.9
22.5°	1539.1	1555.3	1582.3	1593.1	1593.1
25°	1549.9	1570.1	1601.2	1610.6	1607.9
27.5°	1570.1	1594.4	1628.2	1639.0	1636.3
30°	1601.2	1633.6	1670.0	1683.5	1680.8
32.5°	1651.1	1691.6	1737.5	1749.7	1748.3
35°	1720.0	1780.7	1833.4	1826.6	1811.8
37.5°	1799.6	1890.1	1949.5	1886.0	1853.6
40°	1877.9	2000.8	2058.8	1956.2	1906.3
42.5°	1961.6	2087.2	2137.1	2037.2	1967.0
45°	2049.4	2122.3	2138.5	2087.2	2026.4
47.5°	2104.7	2066.9	2031.8	2062.9	2050.7
50°	2064.2	1937.3	1880.6	1940.0	2011.6
52.5°	1910.3	1817.2	1751.0	1806.4	1896.8
55°	1717.3	1693.0	1616.0	1671.4	1715.9
57.5°	1540.4	1559.3	1475.6	1517.5	1524.2
60°	1374.4	1387.9	1315.0	1350.1	1339.3
62.5°	1205.6	1206.9	1150.2	1170.5	1154.3
65°	1027.4	1017.9	969.3	984.2	968.0
67.5°	860.0	838.4	792.5	799.2	784.4
70°	696.6	671.0	627.8	637.2	629.1
72.5°	550.8	530.6	492.8	504.9	513.0
75°	433.4	417.2	388.8	401.0	419.9
77.5°	359.1	338.9	341.6	333.5	347.0
80°	295.7	283.5	294.3	286.2	282.2
82.5°	220.1	232.2	236.3	240.3	220.1
85°	145.8	167.4	175.5	170.1	148.5
87.5°	71.6	90.5	93.2	91.8	77.0
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	20.1	21.9	20.5	22.2	22.5	19.9	21.7	20.3	22.0	22.3
	3H	21.4	23.0	21.7	23.3	23.6	21.1	22.7	21.5	23.0	23.4
	4H	21.8	23.3	22.2	23.6	24.0	21.5	23.0	21.9	23.3	23.7
	6H	22.1	23.5	22.5	23.9	24.2	21.8	23.2	22.2	23.6	24.0
	8H	22.3	23.6	22.7	24.0	24.4	22.0	23.3	22.4	23.7	24.1
	12H	22.4	23.6	22.8	24.0	24.5	22.1	23.4	22.6	23.8	24.2
4H	2H	20.5	22.0	20.9	22.4	22.8	20.4	21.9	20.8	22.2	22.6
	3H	22.0	23.2	22.4	23.6	24.0	21.7	23.0	22.2	23.4	23.8
	4H	22.5	23.6	22.9	24.0	24.5	22.2	23.4	22.7	23.8	24.2
	6H	23.0	24.0	23.4	24.4	24.8	22.7	23.7	23.2	24.2	24.6
	8H	23.2	24.1	23.6	24.5	25.0	23.0	23.9	23.4	24.3	24.8
	12H	23.4	24.2	23.8	24.7	25.1	23.2	24.0	23.6	24.5	24.9
8H	4H	22.7	23.6	23.1	24.0	24.5	22.4	23.4	22.9	23.8	24.3
	6H	23.3	24.1	23.8	24.5	25.0	23.1	23.9	23.6	24.3	24.8
	8H	23.6	24.3	24.1	24.8	25.3	23.4	24.1	23.9	24.6	25.1
	12H	23.9	24.5	24.4	25.0	25.6	23.7	24.4	24.2	24.8	25.4
12H	4H	22.7	23.5	23.2	24.0	24.5	22.5	23.3	23.0	23.8	24.3
	6H	23.4	24.1	23.9	24.5	25.1	23.2	23.9	23.7	24.3	24.9
	8H	23.7	24.3	24.2	24.8	25.4	23.6	24.2	24.1	24.7	25.2















(END OF REPORT)