

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: P1527287

Luminaire Tested: 22CGSB-50-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527287
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

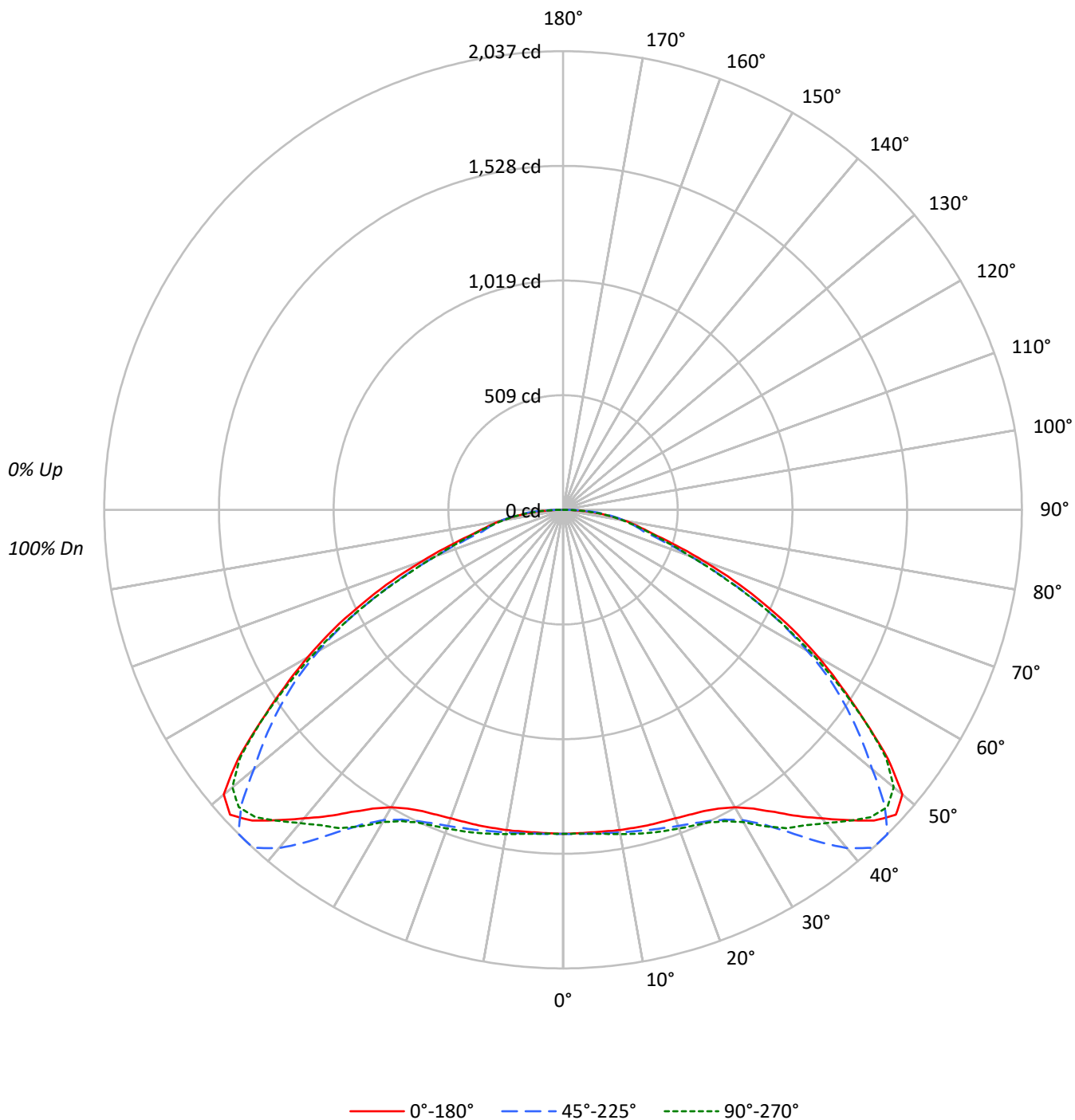
Lumens per Lamp: N/A
Luminaire Lumens: 6808.8 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3873	3873	3873
5°	3884	3898	3901
10°	3946	3974	3995
15°	4042	4102	4138
20°	4176	4279	4313
25°	4384	4529	4548
30°	4739	4943	4975
35°	5382	5737	5670
40°	6284	6889	6379
45°	7429	7752	7346
50°	8232	7500	8022
55°	7674	7222	7669
60°	7046	6741	6866
65°	6232	5880	5871
70°	5221	4705	4715
75°	4292	3851	4159
80°	4364	4345	4166
85°	4289	5162	4369

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 8232 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	2.0
10°-20°	417.3	6.1
20°-30°	705.5	10.4
30°-40°	1084.9	15.9
40°-50°	1507.7	22.1
50°-60°	1419.3	20.8
60°-70°	937.3	13.8
70°-80°	435.6	6.4
80°-90°	163.0	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°	1261.0	18.5
0°-40°	2345.8	34.5
0°-60°	5272.9	77.4
0°-90°	6808.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6808.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1438	1442	1443	1446	1444	137
15°	1451	1457	1472	1483	1485	411
25°	1476	1496	1525	1534	1532	687
35°	1638	1696	1746	1740	1726	1037
45°	1952	2022	2037	1988	1930	1494
55°	1636	1613	1539	1592	1635	1466
65°	979	970	923	938	922	972
75°	413	397	370	382	400	462
85°	139	160	167	162	142	152
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.1	1439.1	1439.1	1439.1	1439.1
2.5°	1437.8	1440.4	1441.7	1442.9	1439.1
5°	1437.8	1441.7	1442.9	1445.5	1444.2
7.5°	1440.4	1444.2	1448.1	1450.7	1451.9
10°	1444.2	1448.1	1454.5	1462.2	1462.2
12.5°	1446.8	1453.2	1462.2	1472.5	1473.8
15°	1450.7	1457.1	1472.5	1482.8	1485.4
17.5°	1453.2	1463.5	1481.5	1494.4	1495.7
20°	1458.4	1469.9	1494.4	1506.0	1506.0
22.5°	1466.1	1481.5	1507.2	1517.5	1517.5
25°	1476.4	1495.7	1525.2	1534.3	1531.7
27.5°	1495.7	1518.8	1551.0	1561.3	1558.7
30°	1525.2	1556.1	1590.8	1603.7	1601.1
32.5°	1572.8	1611.4	1655.1	1666.7	1665.4
35°	1638.4	1696.3	1746.4	1740.0	1725.9
37.5°	1714.3	1800.5	1857.0	1796.6	1765.7
40°	1788.9	1905.9	1961.2	1863.5	1815.9
42.5°	1868.6	1988.2	2035.8	1940.6	1873.8
45°	1952.2	2021.7	2037.1	1988.2	1930.4
47.5°	2004.9	1968.9	1935.5	1965.1	1953.5
50°	1966.4	1845.5	1791.5	1848.0	1916.2
52.5°	1819.8	1731.0	1668.0	1720.7	1806.9
55°	1635.8	1612.7	1539.4	1592.1	1634.6
57.5°	1467.4	1485.4	1405.6	1445.5	1451.9
60°	1309.2	1322.1	1252.6	1286.0	1275.8
62.5°	1148.4	1149.7	1095.7	1115.0	1099.6
65°	978.7	969.7	923.4	937.5	922.1
67.5°	819.2	798.6	754.9	761.3	747.2
70°	663.6	639.2	598.0	607.0	599.3
72.5°	524.7	505.4	469.4	481.0	488.7
75°	412.8	397.4	370.4	382.0	400.0
77.5°	342.1	322.8	325.4	317.7	330.5
80°	281.6	270.1	280.4	272.6	268.8
82.5°	209.6	221.2	225.1	228.9	209.6
85°	138.9	159.5	167.2	162.0	141.5
87.5°	68.2	86.2	88.7	87.5	73.3
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	19.9	21.7	20.3	22.0	22.3	19.8	21.5	20.1	21.8	22.1
	3H	21.2	22.8	21.6	23.1	23.5	20.9	22.5	21.3	22.8	23.2
	4H	21.6	23.1	22.0	23.4	23.8	21.3	22.8	21.7	23.2	23.5
	6H	21.9	23.3	22.3	23.7	24.1	21.7	23.1	22.1	23.4	23.8
	8H	22.1	23.4	22.5	23.8	24.2	21.8	23.2	22.2	23.5	23.9
	12H	22.2	23.5	22.6	23.9	24.3	22.0	23.2	22.4	23.6	24.0
4H	2H	20.4	21.9	20.8	22.2	22.6	20.2	21.7	20.6	22.1	22.4
	3H	21.8	23.1	22.2	23.5	23.9	21.6	22.8	22.0	23.2	23.6
	4H	22.3	23.4	22.7	23.9	24.3	22.1	23.2	22.5	23.6	24.0
	6H	22.8	23.8	23.2	24.2	24.7	22.6	23.6	23.0	24.0	24.4
	8H	23.0	23.9	23.5	24.4	24.8	22.8	23.7	23.2	24.2	24.6
	12H	23.2	24.0	23.7	24.5	25.0	23.0	23.8	23.5	24.3	24.8
8H	4H	22.5	23.4	23.0	23.9	24.3	22.3	23.2	22.7	23.6	24.1
	6H	23.1	23.9	23.6	24.4	24.8	22.9	23.7	23.4	24.2	24.6
	8H	23.4	24.1	23.9	24.6	25.1	23.2	23.9	23.7	24.4	24.9
	12H	23.7	24.3	24.2	24.8	25.4	23.6	24.2	24.1	24.7	25.2
12H	4H	22.5	23.4	23.0	23.8	24.3	22.3	23.1	22.8	23.6	24.1
	6H	23.2	23.9	23.7	24.3	24.9	23.0	23.7	23.5	24.1	24.7
	8H	23.6	24.2	24.1	24.7	25.2	23.4	24.0	23.9	24.5	25.1













(END OF REPORT)