

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: P1527289

Luminaire Tested: 22CGSB-50-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527289
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

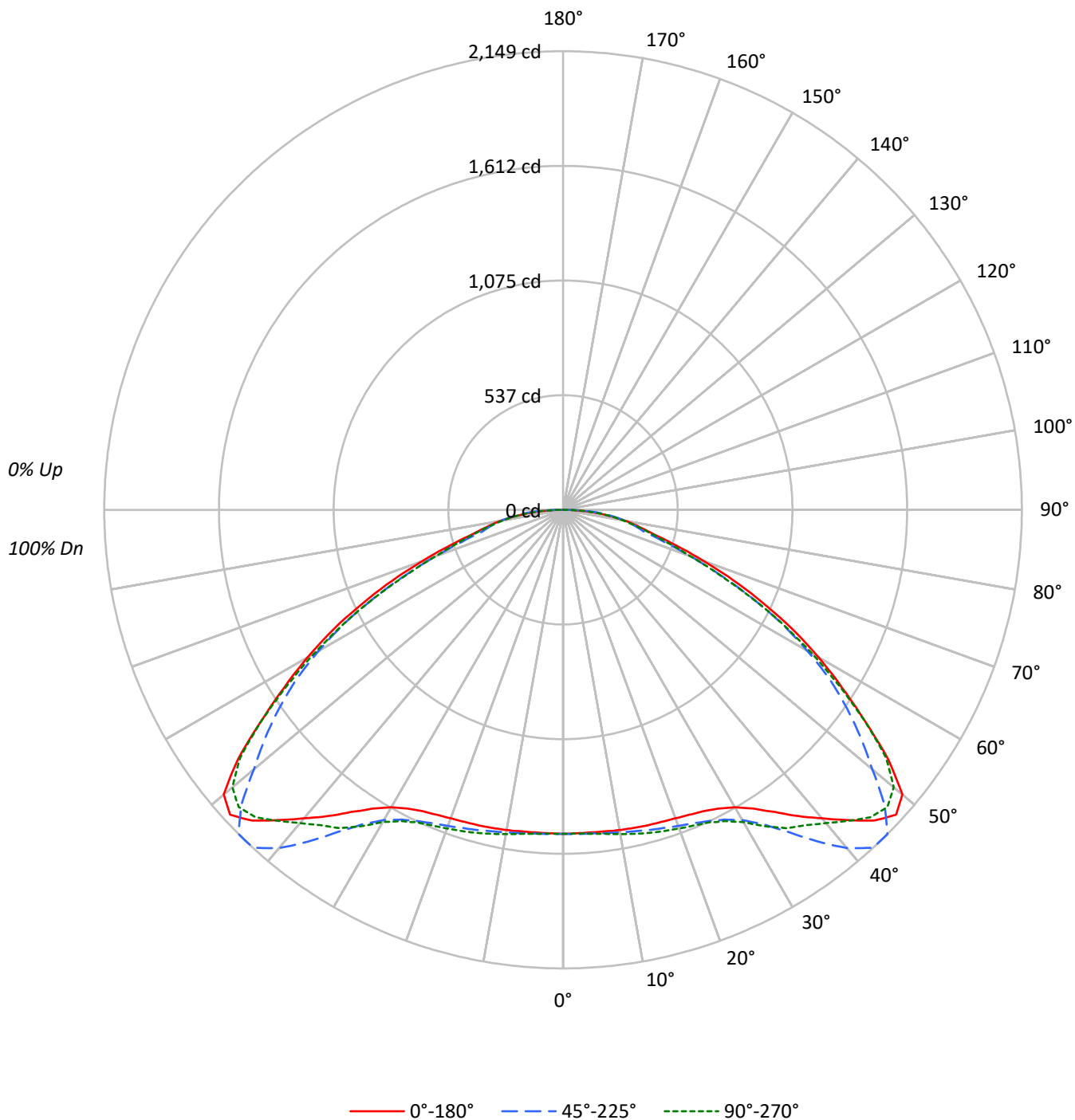
Lumens per Lamp: N/A
Luminaire Lumens: 7183.3 lumens
Efficiency: N/A
Efficacy: 169.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1527289

CATALOG NUMBER: 22CGSB-50-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1527289

CATALOG NUMBER: 22CGSB-50-A125-L840

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°	4085	4085	4085
5°	4098	4112	4116
10°	4163	4193	4215
15°	4264	4328	4366
20°	4406	4515	4550
25°	4625	4778	4798
30°	5000	5215	5249
35°	5678	6053	5981
40°	6630	7268	6730
45°	7838	8179	7750
50°	8685	7912	8463
55°	8097	7619	8090
60°	7434	7112	7244
65°	6574	6203	6194
70°	5508	4964	4975
75°	4528	4062	4388
80°	4604	4584	4395
85°	4523	5446	4607

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8685 cd/sqm

TEST NUMBER: P1527289

CATALOG NUMBER: 22CGSB-50-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	2.0
10°-20°	440.3	6.1
20°-30°	744.3	10.4
30°-40°	1144.6	15.9
40°-50°	1590.7	22.1
50°-60°	1497.3	20.8
60°-70°	988.9	13.8
70°-80°	459.5	6.4
80°-90°	172.0	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°	1330.3	18.5
0°-40°	2474.9	34.5
0°-60°	5562.9	77.4
0°-90°	7183.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7183.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1518	1518	1518	1518	1518	
5°	1517	1521	1522	1525	1524	145
15°	1530	1537	1554	1564	1567	434
25°	1558	1578	1609	1619	1616	725
35°	1728	1790	1842	1836	1821	1094
45°	2060	2133	2149	2098	2036	1576
55°	1726	1701	1624	1680	1724	1546
65°	1032	1023	974	989	973	1025
75°	436	419	391	403	422	487
85°	146	168	176	171	149	160
90°	0	0	0	0	0	

TEST NUMBER: P1527289

CATALOG NUMBER: 22CGSB-50-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1518.2	1518.2	1518.2	1518.2	1518.2
2.5°	1516.9	1519.6	1520.9	1522.3	1518.2
5°	1516.9	1520.9	1522.3	1525.0	1523.6
7.5°	1519.6	1523.6	1527.7	1530.4	1531.8
10°	1523.6	1527.7	1534.5	1542.6	1542.6
12.5°	1526.4	1533.1	1542.6	1553.5	1554.9
15°	1530.4	1537.2	1553.5	1564.3	1567.1
17.5°	1533.1	1544.0	1563.0	1576.6	1577.9
20°	1538.6	1550.8	1576.6	1588.8	1588.8
22.5°	1546.7	1563.0	1590.1	1601.0	1601.0
25°	1557.6	1577.9	1609.1	1618.6	1615.9
27.5°	1577.9	1602.3	1636.3	1647.1	1644.4
30°	1609.1	1641.7	1678.3	1691.9	1689.2
32.5°	1659.3	1700.0	1746.2	1758.4	1757.0
35°	1728.5	1789.6	1842.5	1835.7	1820.8
37.5°	1808.6	1899.5	1959.2	1895.4	1862.8
40°	1887.3	2010.7	2069.1	1966.0	1915.8
42.5°	1971.4	2097.6	2147.8	2047.4	1976.8
45°	2059.6	2132.8	2149.1	2097.6	2036.5
47.5°	2115.2	2077.2	2041.9	2073.1	2060.9
50°	2074.5	1947.0	1890.0	1949.7	2021.6
52.5°	1919.8	1826.2	1759.7	1815.4	1906.3
55°	1725.8	1701.4	1624.0	1679.7	1724.4
57.5°	1548.1	1567.1	1482.9	1525.0	1531.8
60°	1381.2	1394.8	1321.5	1356.8	1345.9
62.5°	1211.6	1212.9	1156.0	1176.3	1160.0
65°	1032.5	1023.0	974.2	989.1	972.8
67.5°	864.3	842.6	796.4	803.2	788.3
70°	700.1	674.3	630.9	640.4	632.3
72.5°	553.6	533.2	495.2	507.4	515.6
75°	435.5	419.2	390.7	403.0	422.0
77.5°	360.9	340.5	343.3	335.1	348.7
80°	297.1	284.9	295.8	287.6	283.6
82.5°	221.2	233.4	237.4	241.5	221.2
85°	146.5	168.2	176.4	171.0	149.2
87.5°	71.9	90.9	93.6	92.3	77.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527289

CATALOG NUMBER: 22CGSB-50-A125-L840

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	21.8	23.3	23.7	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	24.3	21.8	23.2	22.3	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	23.7	22.8	24.0	24.5	22.1	23.4	22.6	23.8	24.2
4H	2H	20.6	22.1	21.0	22.4	22.8	20.4	21.9	20.8	22.3	22.6
	3H	22.0	23.3	22.4	23.7	24.1	21.8	23.0	22.2	23.4	23.8
	4H	22.5	23.6	22.9	24.0	24.5	22.3	23.4	22.7	23.8	24.2
	6H	23.0	24.0	23.4	24.4	24.9	22.7	23.7	23.2	24.2	24.6
	8H	23.2	24.1	23.6	24.6	25.0	23.0	23.9	23.4	24.3	24.8
	12H	23.4	24.2	23.9	24.7	25.2	23.2	24.0	23.7	24.5	25.0
8H	4H	22.7	23.6	23.1	24.1	24.5	22.5	23.4	22.9	23.8	24.3
	6H	23.3	24.1	23.8	24.6	25.0	23.1	23.9	23.6	24.4	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	23.8	24.4	24.3	24.9	25.4
12H	4H	22.7	23.6	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	24.4	24.2	24.9	25.4	23.6	24.2	24.1	24.7	25.2















(END OF REPORT)