

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: P1527294

Luminaire Tested: 22CGSB-55-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527294
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-55-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

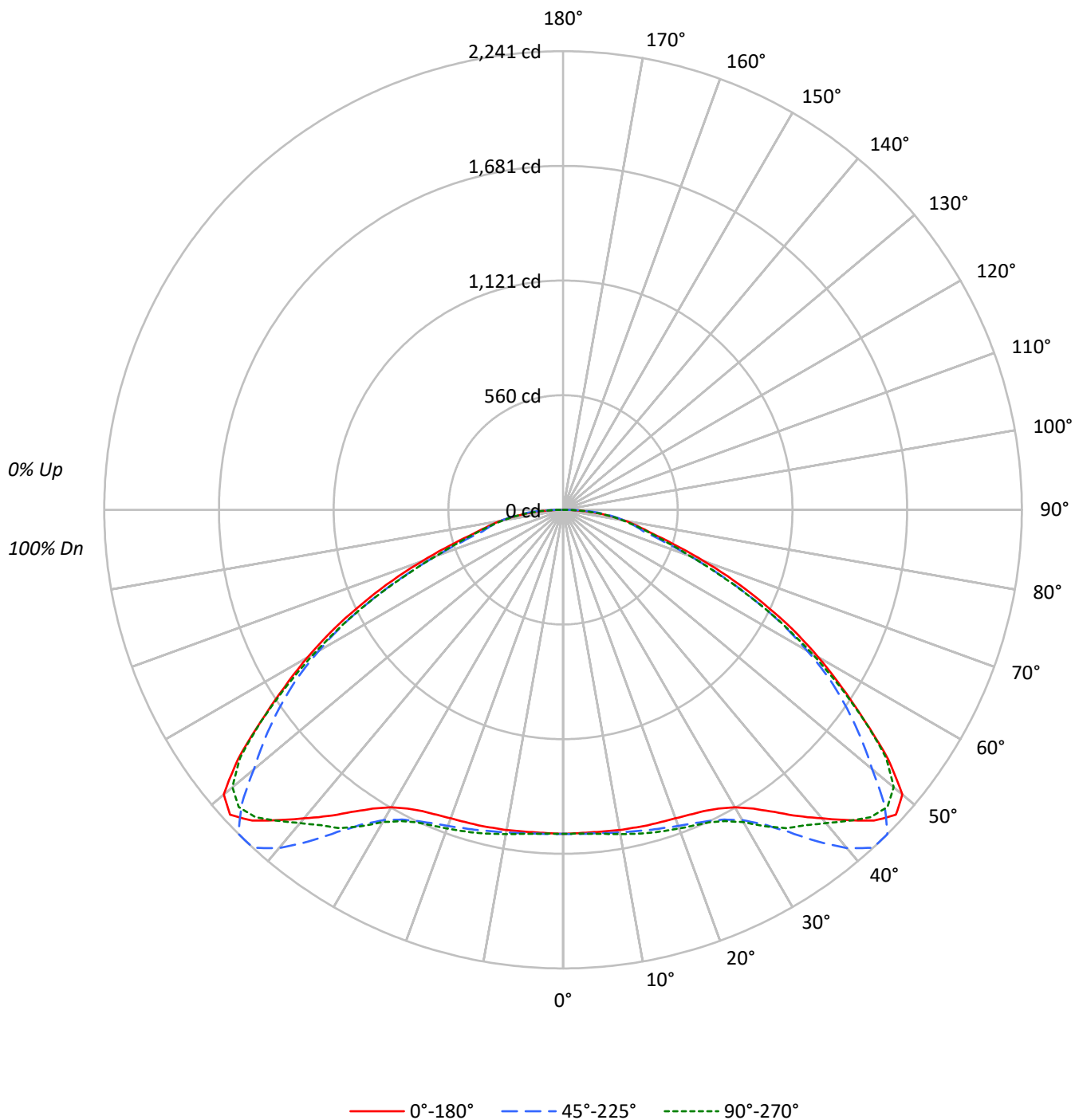
Lumens per Lamp: N/A
Luminaire Lumens: 7490.3 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.2
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: P1527294

CATALOG NUMBER: 22CGSB-55-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1527294

CATALOG NUMBER: 22CGSB-55-A125-L830

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	84	82
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	69	69	69	67
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	57	57	57	55
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	48	48	48	46
5	73	59	49	42	71	58	49	42	56	48	42	54	47	41	52	46	41	41	41	41	38
6	67	52	43	36	65	52	42	36	50	42	36	48	41	35	46	40	35	35	35	35	33
7	61	47	38	31	60	46	37	31	45	37	31	43	36	30	42	35	30	30	30	30	28
8	57	42	33	27	55	42	33	27	40	32	27	39	32	27	38	31	26	26	26	26	24
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	23	23	23	21
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	21	21	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4260	4260	4260
5°	4273	4288	4292
10°	4341	4372	4395
15°	4446	4513	4552
20°	4594	4708	4744
25°	4822	4982	5003
30°	5214	5438	5473
35°	5921	6311	6237
40°	6913	7579	7017
45°	8173	8528	8081
50°	9056	8250	8825
55°	8443	7945	8436
60°	7751	7416	7553
65°	6855	6468	6459
70°	5744	5176	5187
75°	4721	4236	4575
80°	4801	4779	4582
85°	4718	5678	4804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9056 cd/sqm

TEST NUMBER: P1527294

CATALOG NUMBER: 22CGSB-55-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	2.0
10°-20°	459.1	6.1
20°-30°	776.2	10.4
30°-40°	1193.5	15.9
40°-50°	1658.7	22.1
50°-60°	1561.3	20.8
60°-70°	1031.1	13.8
70°-80°	479.2	6.4
80°-90°	179.3	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°	1387.2	18.5
0°-40°	2580.6	34.5
0°-60°	5800.6	77.4
0°-90°	7490.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7490.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1583	1583	1583	1583	1583	
5°	1582	1586	1587	1590	1589	151
15°	1596	1603	1620	1631	1634	453
25°	1624	1645	1678	1688	1685	756
35°	1802	1866	1921	1914	1899	1141
45°	2148	2224	2241	2187	2124	1643
55°	1800	1774	1694	1752	1798	1612
65°	1077	1067	1016	1031	1014	1069
75°	454	437	407	420	440	508
85°	153	175	184	178	156	167
90°	0	0	0	0	0	

TEST NUMBER: P1527294

CATALOG NUMBER: 22CGSB-55-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1583.1	1583.1	1583.1	1583.1	1583.1
2.5°	1581.7	1584.5	1585.9	1587.4	1583.1
5°	1581.7	1585.9	1587.4	1590.2	1588.8
7.5°	1584.5	1588.8	1593.0	1595.8	1597.3
10°	1588.8	1593.0	1600.1	1608.6	1608.6
12.5°	1591.6	1598.7	1608.6	1619.9	1621.3
15°	1595.8	1602.9	1619.9	1631.2	1634.0
17.5°	1598.7	1610.0	1629.8	1643.9	1645.4
20°	1604.3	1617.1	1643.9	1656.7	1656.7
22.5°	1612.8	1629.8	1658.1	1669.4	1669.4
25°	1624.1	1645.4	1677.9	1687.8	1685.0
27.5°	1645.4	1670.8	1706.2	1717.5	1714.7
30°	1677.9	1711.8	1750.0	1764.2	1761.4
32.5°	1730.2	1772.7	1820.8	1833.5	1832.1
35°	1802.4	1866.1	1921.2	1914.2	1898.6
37.5°	1885.9	1980.7	2042.9	1976.4	1942.5
40°	1967.9	2096.7	2157.5	2050.0	1997.6
42.5°	2055.6	2187.2	2239.6	2134.9	2061.3
45°	2147.6	2224.0	2241.0	2187.2	2123.5
47.5°	2205.6	2166.0	2129.2	2161.7	2149.0
50°	2163.2	2030.2	1970.7	2033.0	2108.0
52.5°	2001.9	1904.3	1834.9	1892.9	1987.7
55°	1799.6	1774.1	1693.5	1751.5	1798.1
57.5°	1614.2	1634.0	1546.3	1590.2	1597.3
60°	1440.2	1454.4	1378.0	1414.8	1403.4
62.5°	1263.4	1264.8	1205.4	1226.6	1209.6
65°	1076.6	1066.7	1015.8	1031.4	1014.4
67.5°	901.2	878.6	830.5	837.5	822.0
70°	730.0	703.1	657.9	667.8	659.3
72.5°	577.2	556.0	516.4	529.1	537.6
75°	454.1	437.2	407.4	420.2	440.0
77.5°	376.3	355.1	357.9	349.4	363.6
80°	309.8	297.1	308.4	299.9	295.7
82.5°	230.6	243.3	247.6	251.8	230.6
85°	152.8	175.4	183.9	178.3	155.6
87.5°	75.0	94.8	97.6	96.2	80.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527294

CATALOG NUMBER: 22CGSB-55-A125-L830

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	20.3	22.0	20.6	22.3	22.6	20.1	21.8	20.5	22.2	22.5
	3H	21.5	23.1	21.9	23.4	23.8	21.3	22.8	21.6	23.2	23.5
	4H	21.9	23.4	22.3	23.8	24.1	21.6	23.1	22.0	23.5	23.9
	6H	22.3	23.7	22.7	24.0	24.4	22.0	23.4	22.4	23.7	24.1
	8H	22.4	23.7	22.8	24.1	24.5	22.2	23.5	22.6	23.9	24.3
	12H	22.5	23.8	23.0	24.2	24.6	22.3	23.6	22.7	23.9	24.4
4H	2H	20.7	22.2	21.1	22.5	22.9	20.6	22.1	21.0	22.4	22.8
	3H	22.1	23.4	22.6	23.8	24.2	21.9	23.2	22.3	23.6	24.0
	4H	22.6	23.8	23.1	24.2	24.6	22.4	23.5	22.8	23.9	24.4
	6H	23.1	24.1	23.6	24.6	25.0	22.9	23.9	23.3	24.3	24.8
	8H	23.3	24.3	23.8	24.7	25.2	23.1	24.0	23.6	24.5	25.0
	12H	23.5	24.4	24.0	24.8	25.3	23.3	24.2	23.8	24.6	25.1
8H	4H	22.8	23.8	23.3	24.2	24.7	22.6	23.5	23.1	24.0	24.4
	6H	23.4	24.2	23.9	24.7	25.2	23.2	24.0	23.7	24.5	25.0
	8H	23.7	24.5	24.3	25.0	25.4	23.6	24.3	24.1	24.8	25.3
	12H	24.0	24.7	24.5	25.2	25.7	23.9	24.5	24.4	25.0	25.6
12H	4H	22.9	23.7	23.3	24.2	24.6	22.6	23.5	23.1	24.0	24.4
	6H	23.5	24.2	24.0	24.7	25.2	23.3	24.0	23.8	24.5	25.0
	8H	23.9	24.5	24.4	25.0	25.6	23.7	24.3	24.2	24.8	25.4













(END OF REPORT)