

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: P1527290

Luminaire Tested: 22CGSB-50-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527290
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

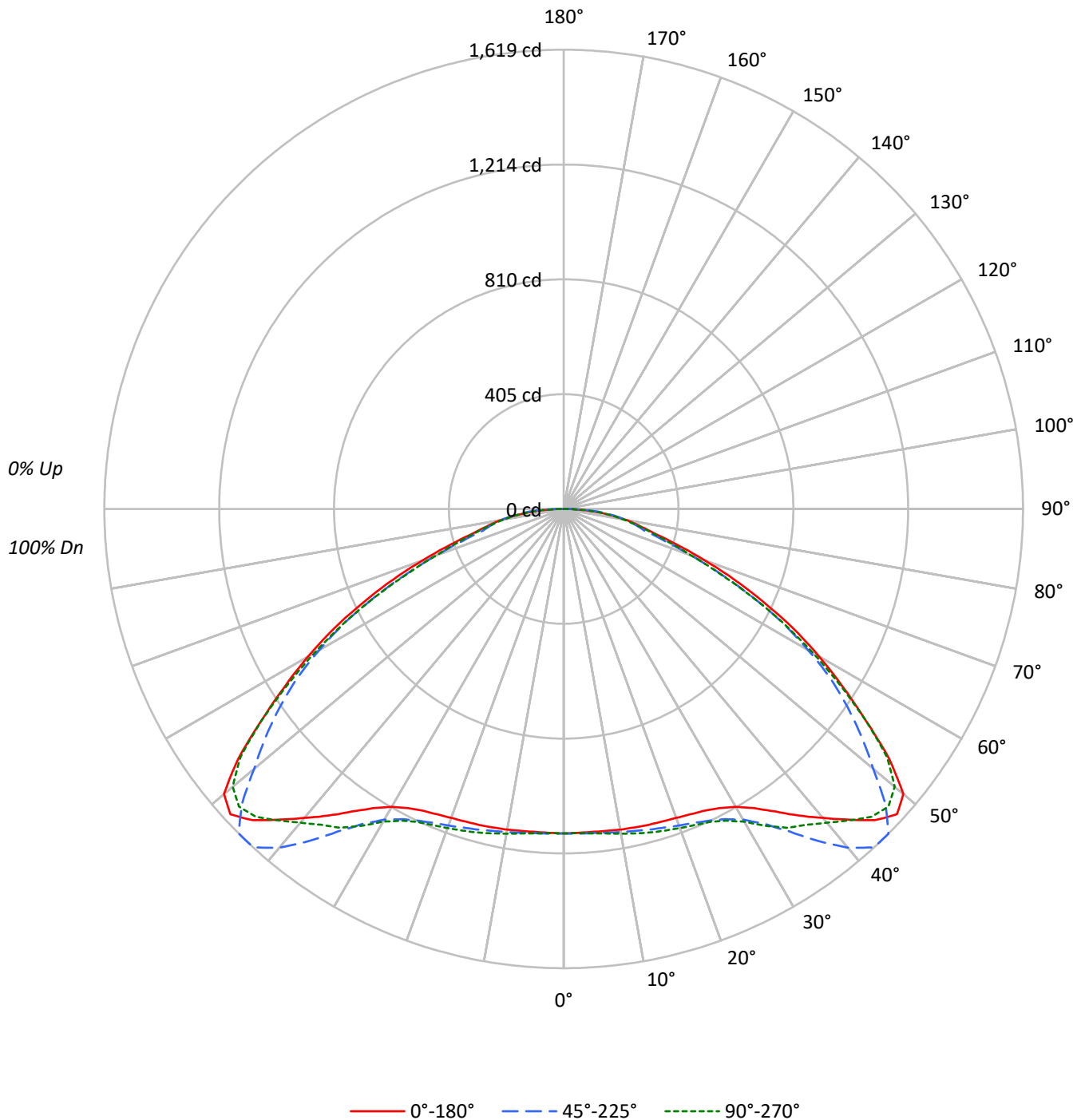
Lumens per Lamp: N/A
Luminaire Lumens: 5411.3 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1527290

CATALOG NUMBER: 22CGSB-50-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1527290

CATALOG NUMBER: 22CGSB-50-A125-L850

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°	3078	3078	3078
5°	3087	3098	3101
10°	3136	3159	3175
15°	3212	3260	3289
20°	3319	3401	3428
25°	3484	3599	3614
30°	3767	3929	3954
35°	4278	4560	4506
40°	4994	5475	5070
45°	5904	6161	5839
50°	6543	5961	6375
55°	6100	5740	6095
60°	5600	5358	5457
65°	4953	4673	4666
70°	4150	3740	3747
75°	3411	3061	3305
80°	3468	3453	3310
85°	3409	4103	3470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6543 cd/sqm

TEST NUMBER: P1527290

CATALOG NUMBER: 22CGSB-50-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	2.0
10°-20°	331.7	6.1
20°-30°	560.7	10.4
30°-40°	862.2	15.9
40°-50°	1198.3	22.1
50°-60°	1128.0	20.8
60°-70°	744.9	13.8
70°-80°	346.2	6.4
80°-90°	129.6	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°	1002.2	18.5
0°-40°	1864.4	34.5
0°-60°	4190.6	77.4
0°-90°	5411.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5411.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1143	1146	1147	1149	1148	109
15°	1153	1158	1170	1178	1180	327
25°	1173	1189	1212	1219	1217	546
35°	1302	1348	1388	1383	1372	824
45°	1552	1607	1619	1580	1534	1187
55°	1300	1282	1223	1265	1299	1165
65°	778	771	734	745	733	772
75°	328	316	294	304	318	367
85°	110	127	133	129	112	121
90°	0	0	0	0	0	

TEST NUMBER: P1527290

CATALOG NUMBER: 22CGSB-50-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1142.7	1144.7	1145.8	1146.8	1143.7
5°	1142.7	1145.8	1146.8	1148.8	1147.8
7.5°	1144.7	1147.8	1150.9	1152.9	1153.9
10°	1147.8	1150.9	1156.0	1162.1	1162.1
12.5°	1149.9	1155.0	1162.1	1170.3	1171.3
15°	1152.9	1158.0	1170.3	1178.5	1180.5
17.5°	1155.0	1163.1	1177.4	1187.7	1188.7
20°	1159.1	1168.2	1187.7	1196.9	1196.9
22.5°	1165.2	1177.4	1197.9	1206.1	1206.1
25°	1173.4	1188.7	1212.2	1219.4	1217.3
27.5°	1188.7	1207.1	1232.6	1240.8	1238.8
30°	1212.2	1236.7	1264.3	1274.5	1272.5
32.5°	1250.0	1280.7	1315.4	1324.6	1323.6
35°	1302.1	1348.1	1388.0	1382.9	1371.6
37.5°	1362.4	1430.9	1475.9	1427.9	1403.3
40°	1421.7	1514.7	1558.7	1481.0	1443.2
42.5°	1485.1	1580.2	1618.0	1542.3	1489.2
45°	1551.5	1606.7	1619.0	1580.2	1534.2
47.5°	1593.4	1564.8	1538.2	1561.8	1552.6
50°	1562.8	1466.7	1423.8	1468.7	1522.9
52.5°	1446.3	1375.7	1325.7	1367.6	1436.0
55°	1300.1	1281.7	1223.4	1265.3	1299.1
57.5°	1166.2	1180.5	1117.1	1148.8	1153.9
60°	1040.5	1050.7	995.5	1022.1	1013.9
62.5°	912.7	913.7	870.8	886.2	873.9
65°	777.8	770.7	733.9	745.1	732.8
67.5°	651.1	634.7	600.0	605.1	593.8
70°	527.4	508.0	475.3	482.4	476.3
72.5°	417.0	401.7	373.1	382.3	388.4
75°	328.1	315.8	294.4	303.6	317.9
77.5°	271.9	256.5	258.6	252.5	262.7
80°	223.8	214.6	222.8	216.7	213.6
82.5°	166.6	175.8	178.9	181.9	166.6
85°	110.4	126.7	132.9	128.8	112.4
87.5°	54.2	68.5	70.5	69.5	58.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527290

CATALOG NUMBER: 22CGSB-50-A125-L850

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	19.1	20.9	19.5	21.2	21.5	19.0	20.7	19.3	21.0	21.3
	3H	20.4	22.0	20.8	22.3	22.7	20.1	21.7	20.5	22.0	22.4
	4H	20.8	22.3	21.2	22.6	23.0	20.5	22.0	20.9	22.4	22.7
	6H	21.1	22.5	21.5	22.9	23.3	20.9	22.3	21.3	22.6	23.0
	8H	21.3	22.6	21.7	23.0	23.4	21.0	22.4	21.4	22.7	23.1
	12H	21.4	22.7	21.8	23.1	23.5	21.2	22.4	21.6	22.8	23.2
4H	2H	19.6	21.1	20.0	21.4	21.8	19.4	20.9	19.8	21.3	21.7
	3H	21.0	22.3	21.4	22.7	23.1	20.8	22.0	21.2	22.4	22.8
	4H	21.5	22.6	21.9	23.1	23.5	21.3	22.4	21.7	22.8	23.2
	6H	22.0	23.0	22.4	23.4	23.9	21.8	22.8	22.2	23.2	23.6
	8H	22.2	23.1	22.7	23.6	24.0	22.0	22.9	22.4	23.4	23.8
	12H	22.4	23.2	22.9	23.7	24.2	22.2	23.0	22.7	23.5	24.0
8H	4H	21.7	22.6	22.2	23.1	23.5	21.5	22.4	21.9	22.8	23.3
	6H	22.3	23.1	22.8	23.6	24.0	22.1	22.9	22.6	23.4	23.8
	8H	22.6	23.3	23.1	23.8	24.3	22.4	23.1	22.9	23.6	24.1
	12H	22.9	23.5	23.4	24.0	24.6	22.8	23.4	23.3	23.9	24.4
12H	4H	21.7	22.6	22.2	23.0	23.5	21.5	22.4	22.0	22.8	23.3
	6H	22.4	23.1	22.9	23.5	24.1	22.2	22.9	22.7	23.4	23.9
	8H	22.8	23.4	23.3	23.9	24.4	22.6	23.2	23.1	23.7	24.3













(END OF REPORT)