

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: P1527297

Luminaire Tested: 22CGSB-55-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527297
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

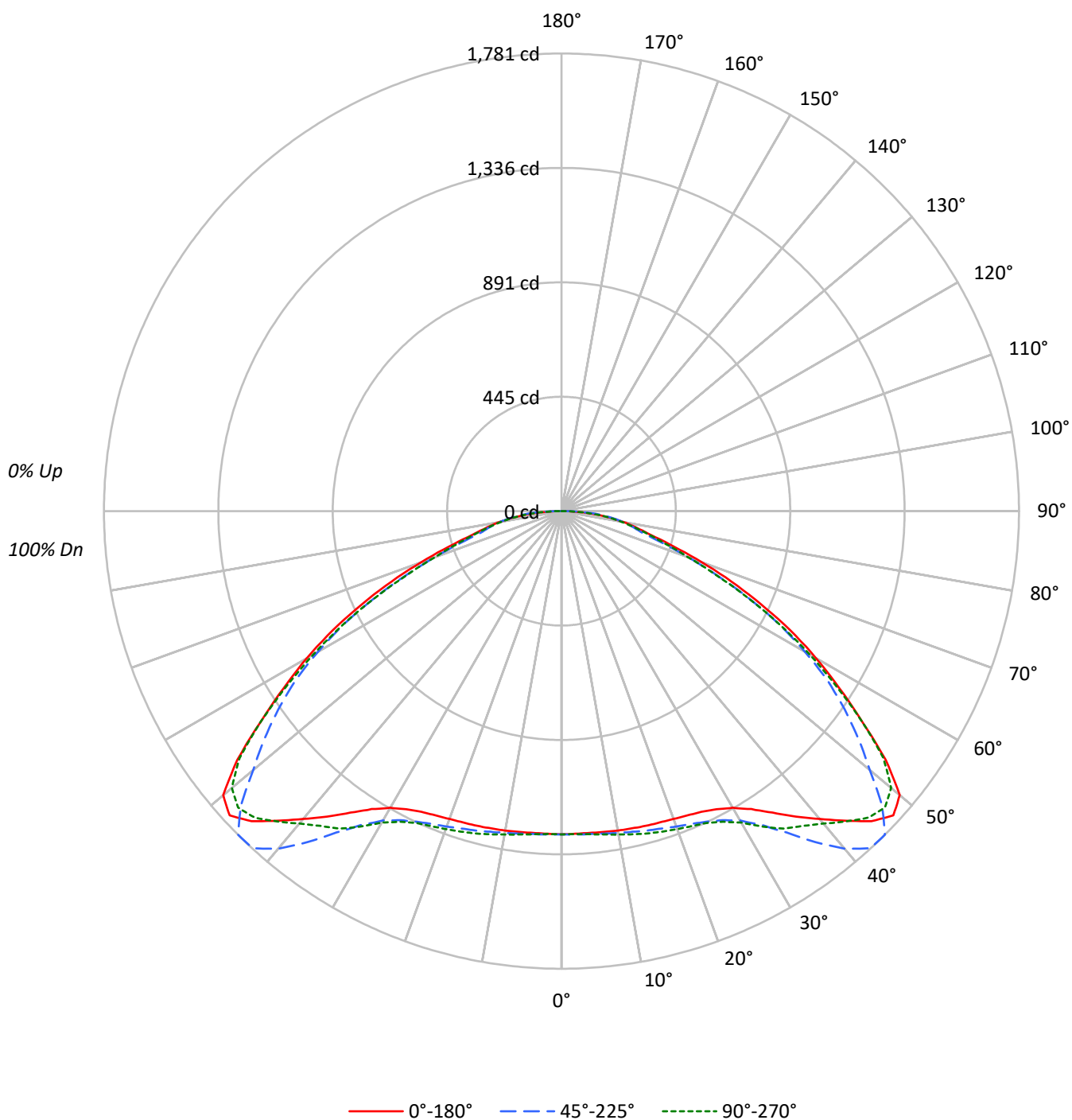
Lumens per Lamp: N/A
Luminaire Lumens: 5951.6 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1527297

CATALOG NUMBER: 22CGSB-55-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1527297

CATALOG NUMBER: 22CGSB-55-A125-L850

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	3385	3385	3385
5°	3395	3407	3410
10°	3449	3474	3492
15°	3533	3586	3617
20°	3651	3741	3770
25°	3832	3958	3975
30°	4143	4321	4349
35°	4705	5015	4956
40°	5493	6022	5576
45°	6494	6776	6421
50°	7196	6556	7012
55°	6708	6313	6703
60°	6159	5893	6001
65°	5447	5139	5132
70°	4563	4113	4121
75°	3751	3366	3635
80°	3815	3798	3640
85°	3748	4511	3819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7196 cd/sqm

TEST NUMBER: P1527297

CATALOG NUMBER: 22CGSB-55-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	2.0
10°-20°	364.8	6.1
20°-30°	616.7	10.4
30°-40°	948.3	15.9
40°-50°	1317.9	22.1
50°-60°	1240.6	20.8
60°-70°	819.3	13.8
70°-80°	380.7	6.4
80°-90°	142.5	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°	1102.2	18.5
0°-40°	2050.5	34.5
0°-60°	4609.0	77.4
0°-90°	5951.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5951.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1257	1260	1261	1264	1262	120
15°	1268	1274	1287	1296	1298	360
25°	1290	1307	1333	1341	1339	601
35°	1432	1483	1527	1521	1509	907
45°	1706	1767	1781	1738	1687	1306
55°	1430	1410	1346	1392	1429	1281
65°	856	848	807	820	806	849
75°	361	347	324	334	350	404
85°	121	139	146	142	124	133
90°	0	0	0	0	0	

TEST NUMBER: P1527297

CATALOG NUMBER: 22CGSB-55-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.9	1257.9	1257.9	1257.9	1257.9
2.5°	1256.8	1259.0	1260.1	1261.3	1257.9
5°	1256.8	1260.1	1261.3	1263.5	1262.4
7.5°	1259.0	1262.4	1265.8	1268.0	1269.1
10°	1262.4	1265.8	1271.4	1278.1	1278.1
12.5°	1264.6	1270.3	1278.1	1287.1	1288.2
15°	1268.0	1273.6	1287.1	1296.1	1298.4
17.5°	1270.3	1279.3	1295.0	1306.2	1307.4
20°	1274.8	1284.9	1306.2	1316.4	1316.4
22.5°	1281.5	1295.0	1317.5	1326.5	1326.5
25°	1290.5	1307.4	1333.2	1341.1	1338.8
27.5°	1307.4	1327.6	1355.7	1364.7	1362.4
30°	1333.2	1360.2	1390.5	1401.8	1399.5
32.5°	1374.8	1408.5	1446.8	1456.9	1455.7
35°	1432.1	1482.7	1526.6	1520.9	1508.6
37.5°	1498.5	1573.8	1623.2	1570.4	1543.4
40°	1563.7	1666.0	1714.3	1628.9	1587.3
42.5°	1633.4	1737.9	1779.5	1696.3	1637.9
45°	1706.4	1767.1	1780.6	1737.9	1687.3
47.5°	1752.5	1721.0	1691.8	1717.7	1707.5
50°	1718.8	1613.1	1565.9	1615.4	1674.9
52.5°	1590.6	1513.1	1458.0	1504.1	1579.4
55°	1429.9	1409.7	1345.6	1391.7	1428.8
57.5°	1282.6	1298.4	1228.7	1263.5	1269.1
60°	1144.4	1155.6	1094.9	1124.1	1115.1
62.5°	1003.8	1005.0	957.8	974.6	961.1
65°	855.5	847.6	807.1	819.5	806.0
67.5°	716.1	698.1	659.9	665.5	653.1
70°	580.0	558.7	522.7	530.6	523.8
72.5°	458.6	441.8	410.3	420.4	427.2
75°	360.8	347.4	323.7	333.9	349.6
77.5°	299.0	282.2	284.4	277.7	288.9
80°	246.2	236.1	245.1	238.3	234.9
82.5°	183.2	193.3	196.7	200.1	183.2
85°	121.4	139.4	146.1	141.6	123.7
87.5°	59.6	75.3	77.6	76.4	64.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527297

CATALOG NUMBER: 22CGSB-55-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	19.5	21.2	19.8	21.5	21.8	19.3	21.0	19.7	21.4	21.7
	3H	20.7	22.3	21.1	22.6	23.0	20.5	22.0	20.8	22.4	22.7
	4H	21.1	22.6	21.5	23.0	23.3	20.8	22.3	21.2	22.7	23.1
	6H	21.5	22.9	21.9	23.2	23.6	21.2	22.6	21.6	22.9	23.3
	8H	21.6	22.9	22.0	23.3	23.7	21.4	22.7	21.8	23.1	23.5
	12H	21.7	23.0	22.2	23.4	23.8	21.5	22.8	21.9	23.1	23.6
4H	2H	19.9	21.4	20.3	21.8	22.1	19.8	21.3	20.2	21.6	22.0
	3H	21.4	22.6	21.8	23.0	23.4	21.1	22.4	21.5	22.8	23.2
	4H	21.8	23.0	22.3	23.4	23.8	21.6	22.7	22.0	23.1	23.6
	6H	22.3	23.3	22.8	23.8	24.2	22.1	23.1	22.5	23.5	24.0
	8H	22.5	23.5	23.0	23.9	24.4	22.3	23.3	22.8	23.7	24.2
	12H	22.7	23.6	23.2	24.0	24.5	22.5	23.4	23.0	23.8	24.3
8H	4H	22.0	23.0	22.5	23.4	23.9	21.8	22.7	22.3	23.2	23.6
	6H	22.6	23.4	23.1	23.9	24.4	22.4	23.2	22.9	23.7	24.2
	8H	23.0	23.7	23.5	24.2	24.6	22.8	23.5	23.3	24.0	24.5
	12H	23.2	23.9	23.8	24.4	24.9	23.1	23.7	23.6	24.2	24.8
12H	4H	22.1	22.9	22.5	23.4	23.8	21.8	22.7	22.3	23.2	23.6
	6H	22.7	23.4	23.2	23.9	24.4	22.5	23.2	23.0	23.7	24.2
	8H	23.1	23.7	23.6	24.2	24.8	22.9	23.5	23.4	24.0	24.6















(END OF REPORT)