

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: P1527275

Luminaire Tested: 22CGSB-40-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527275
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-40-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

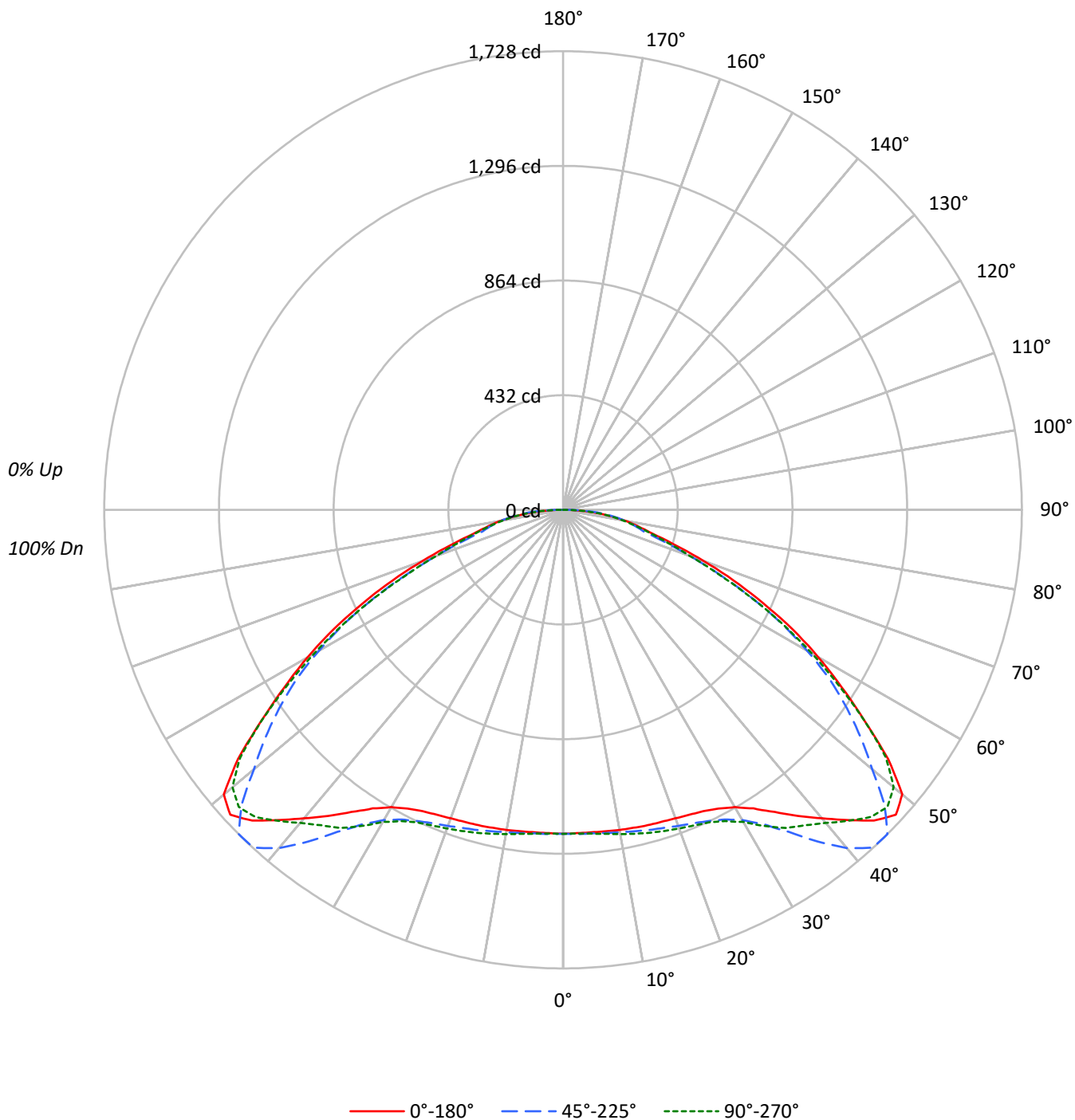
Lumens per Lamp: N/A
Luminaire Lumens: 5774.8 lumens
Efficiency: N/A
Efficacy: 170.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.8
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: P1527275

CATALOG NUMBER: 22CGSB-40-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1527275

CATALOG NUMBER: 22CGSB-40-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°	3284	3284	3284
5°	3294	3306	3309
10°	3347	3371	3389
15°	3428	3479	3510
20°	3542	3629	3658
25°	3718	3841	3857
30°	4020	4193	4220
35°	4565	4866	4809
40°	5330	5843	5410
45°	6301	6575	6231
50°	6982	6361	6804
55°	6509	6125	6504
60°	5976	5718	5823
65°	5286	4987	4980
70°	4428	3991	3999
75°	3640	3266	3527
80°	3702	3685	3533
85°	3637	4378	3705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6982 cd/sqm

TEST NUMBER: P1527275

CATALOG NUMBER: 22CGSB-40-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	2.0
10°-20°	353.9	6.1
20°-30°	598.4	10.4
30°-40°	920.1	15.9
40°-50°	1278.8	22.1
50°-60°	1203.7	20.8
60°-70°	795.0	13.8
70°-80°	369.4	6.4
80°-90°	138.3	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°	1069.5	18.5
0°-40°	1989.6	34.5
0°-60°	4472.1	77.4
0°-90°	5774.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5774.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1220	1223	1224	1226	1225	117
15°	1230	1236	1249	1258	1260	349
25°	1252	1268	1294	1301	1299	583
35°	1390	1439	1481	1476	1464	880
45°	1656	1715	1728	1686	1637	1267
55°	1387	1368	1306	1350	1386	1243
65°	830	822	783	795	782	824
75°	350	337	314	324	339	392
85°	118	135	142	137	120	129
90°	0	0	0	0	0	

TEST NUMBER: P1527275

CATALOG NUMBER: 22CGSB-40-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1220.5	1220.5	1220.5	1220.5	1220.5
2.5°	1219.5	1221.6	1222.7	1223.8	1220.5
5°	1219.5	1222.7	1223.8	1226.0	1224.9
7.5°	1221.6	1224.9	1228.2	1230.4	1231.5
10°	1224.9	1228.2	1233.6	1240.2	1240.2
12.5°	1227.1	1232.5	1240.2	1248.9	1250.0
15°	1230.4	1235.8	1248.9	1257.6	1259.8
17.5°	1232.5	1241.3	1256.5	1267.4	1268.5
20°	1236.9	1246.7	1267.4	1277.3	1277.3
22.5°	1243.5	1256.5	1278.4	1287.1	1287.1
25°	1252.2	1268.5	1293.6	1301.3	1299.1
27.5°	1268.5	1288.2	1315.4	1324.2	1322.0
30°	1293.6	1319.8	1349.3	1360.2	1358.0
32.5°	1334.0	1366.7	1403.8	1413.6	1412.5
35°	1389.6	1438.7	1481.2	1475.8	1463.8
37.5°	1454.0	1527.0	1575.0	1523.8	1497.6
40°	1517.2	1616.5	1663.4	1580.5	1540.1
42.5°	1584.9	1686.3	1726.7	1645.9	1589.2
45°	1655.8	1714.7	1727.7	1686.3	1637.2
47.5°	1700.5	1669.9	1641.6	1666.7	1656.8
50°	1667.8	1565.2	1519.4	1567.4	1625.2
52.5°	1543.4	1468.1	1414.7	1459.4	1532.5
55°	1387.4	1367.8	1305.6	1350.3	1386.3
57.5°	1244.5	1259.8	1192.2	1226.0	1231.5
60°	1110.4	1121.3	1062.4	1090.7	1082.0
62.5°	974.0	975.1	929.3	945.7	932.6
65°	830.1	822.4	783.2	795.2	782.1
67.5°	694.8	677.4	640.3	645.7	633.7
70°	562.8	542.1	507.2	514.8	508.3
72.5°	445.0	428.7	398.1	407.9	414.5
75°	350.1	337.0	314.1	324.0	339.2
77.5°	290.1	273.8	276.0	269.4	280.3
80°	238.9	229.1	237.8	231.2	228.0
82.5°	177.8	187.6	190.9	194.2	177.8
85°	117.8	135.3	141.8	137.4	120.0
87.5°	57.8	73.1	75.3	74.2	62.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527275

CATALOG NUMBER: 22CGSB-40-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	19.4	21.1	19.7	21.4	21.7	19.2	20.9	19.6	21.3	21.6
	3H	20.6	22.2	21.0	22.5	22.9	20.4	21.9	20.7	22.3	22.6
	4H	21.0	22.5	21.4	22.9	23.2	20.7	22.2	21.1	22.6	23.0
	6H	21.4	22.8	21.8	23.1	23.5	21.1	22.5	21.5	22.8	23.2
	8H	21.5	22.8	21.9	23.2	23.6	21.3	22.6	21.7	23.0	23.4
	12H	21.6	22.9	22.1	23.3	23.7	21.4	22.7	21.8	23.0	23.5
4H	2H	19.8	21.3	20.2	21.6	22.0	19.7	21.2	20.1	21.5	21.9
	3H	21.2	22.5	21.7	22.9	23.3	21.0	22.3	21.4	22.7	23.1
	4H	21.7	22.9	22.2	23.3	23.7	21.5	22.6	21.9	23.0	23.5
	6H	22.2	23.2	22.7	23.7	24.1	22.0	23.0	22.4	23.4	23.9
	8H	22.4	23.4	22.9	23.8	24.3	22.2	23.1	22.7	23.6	24.0
	12H	22.6	23.5	23.1	23.9	24.4	22.4	23.3	22.9	23.7	24.2
8H	4H	21.9	22.9	22.4	23.3	23.8	21.7	22.6	22.2	23.1	23.5
	6H	22.5	23.3	23.0	23.8	24.3	22.3	23.1	22.8	23.6	24.1
	8H	22.8	23.5	23.4	24.1	24.5	22.7	23.4	23.2	23.9	24.4
	12H	23.1	23.8	23.6	24.3	24.8	23.0	23.6	23.5	24.1	24.7
12H	4H	22.0	22.8	22.4	23.3	23.7	21.7	22.6	22.2	23.0	23.5
	6H	22.6	23.3	23.1	23.8	24.3	22.4	23.1	22.9	23.6	24.1
	8H	23.0	23.6	23.5	24.1	24.6	22.8	23.4	23.3	23.9	24.5













(END OF REPORT)