

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: P1527273

Luminaire Tested: 22CGSB-40-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527273
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

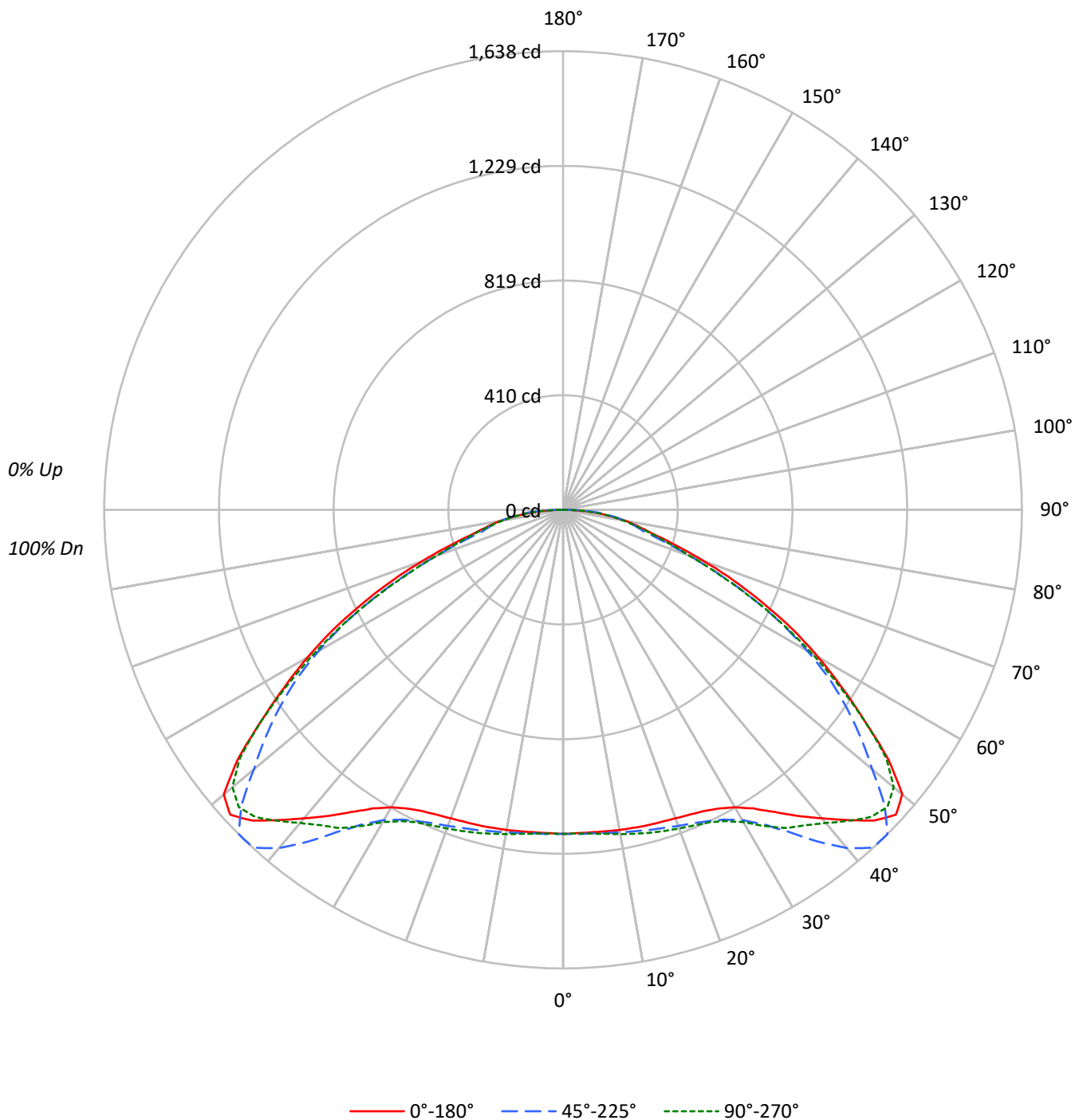
Lumens per Lamp: N/A
Luminaire Lumens: 5474.2 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1527273

CATALOG NUMBER: 22CGSB-40-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1527273

CATALOG NUMBER: 22CGSB-40-A125-L830

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°	3113	3113	3113
5°	3123	3134	3136
10°	3173	3195	3212
15°	3249	3298	3327
20°	3358	3441	3467
25°	3524	3641	3656
30°	3810	3974	4000
35°	4327	4613	4558
40°	5052	5539	5129
45°	5973	6233	5906
50°	6618	6030	6450
55°	6170	5807	6166
60°	5665	5420	5520
65°	5010	4727	4721
70°	4198	3783	3791
75°	3451	3096	3344
80°	3508	3493	3349
85°	3449	4150	3511

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6618 cd/sqm

TEST NUMBER: P1527273

CATALOG NUMBER: 22CGSB-40-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	2.0
10°-20°	335.5	6.1
20°-30°	567.3	10.4
30°-40°	872.2	15.9
40°-50°	1212.2	22.1
50°-60°	1141.1	20.8
60°-70°	753.6	13.8
70°-80°	350.2	6.4
80°-90°	131.1	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°	1013.8	18.5
0°-40°	1886.0	34.5
0°-60°	4239.3	77.4
0°-90°	5474.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5474.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1156	1159	1160	1162	1161	111
15°	1166	1172	1184	1192	1194	331
25°	1187	1202	1226	1234	1231	552
35°	1317	1364	1404	1399	1388	834
45°	1570	1625	1638	1598	1552	1201
55°	1315	1297	1238	1280	1314	1178
65°	787	780	742	754	741	781
75°	332	320	298	307	322	371
85°	112	128	134	130	114	122
90°	0	0	0	0	0	

TEST NUMBER: P1527273

CATALOG NUMBER: 22CGSB-40-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.0	1157.0	1157.0	1157.0	1157.0
2.5°	1156.0	1158.0	1159.1	1160.1	1157.0
5°	1156.0	1159.1	1160.1	1162.2	1161.1
7.5°	1158.0	1161.1	1164.2	1166.3	1167.3
10°	1161.1	1164.2	1169.4	1175.6	1175.6
12.5°	1163.2	1168.4	1175.6	1183.9	1184.9
15°	1166.3	1171.5	1183.9	1192.2	1194.2
17.5°	1168.4	1176.6	1191.1	1201.5	1202.5
20°	1172.5	1181.8	1201.5	1210.8	1210.8
22.5°	1178.7	1191.1	1211.8	1220.1	1220.1
25°	1187.0	1202.5	1226.3	1233.5	1231.4
27.5°	1202.5	1221.1	1247.0	1255.2	1253.2
30°	1226.3	1251.1	1279.0	1289.4	1287.3
32.5°	1264.5	1295.6	1330.7	1340.0	1339.0
35°	1317.3	1363.8	1404.1	1399.0	1387.6
37.5°	1378.3	1447.5	1493.0	1444.4	1419.6
40°	1438.2	1532.3	1576.8	1498.2	1460.0
42.5°	1502.3	1598.5	1636.8	1560.3	1506.5
45°	1569.6	1625.4	1637.8	1598.5	1552.0
47.5°	1611.9	1583.0	1556.1	1579.9	1570.6
50°	1580.9	1483.7	1440.3	1485.8	1540.6
52.5°	1463.1	1391.7	1341.0	1383.4	1452.7
55°	1315.2	1296.6	1237.7	1280.0	1314.2
57.5°	1179.8	1194.2	1130.1	1162.2	1167.3
60°	1052.6	1062.9	1007.1	1034.0	1025.7
62.5°	923.3	924.4	880.9	896.4	884.0
65°	786.8	779.6	742.4	753.8	741.4
67.5°	658.6	642.1	606.9	612.1	600.7
70°	533.5	513.9	480.8	488.0	481.8
72.5°	421.9	406.3	377.4	386.7	392.9
75°	331.9	319.5	297.8	307.1	321.6
77.5°	275.0	259.5	261.6	255.4	265.7
80°	226.4	217.1	225.4	219.2	216.1
82.5°	168.5	177.8	180.9	184.0	168.5
85°	111.7	128.2	134.4	130.3	113.7
87.5°	54.8	69.3	71.3	70.3	58.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527273

CATALOG NUMBER: 22CGSB-40-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	19.2	20.9	19.5	21.2	21.6	19.0	20.8	19.4	21.1	21.4
	3H	20.4	22.0	20.8	22.4	22.7	20.2	21.8	20.5	22.1	22.4
	4H	20.8	22.3	21.2	22.7	23.0	20.6	22.0	20.9	22.4	22.8
	6H	21.2	22.6	21.6	22.9	23.3	20.9	22.3	21.3	22.7	23.0
	8H	21.3	22.7	21.7	23.0	23.4	21.1	22.4	21.5	22.8	23.2
	12H	21.4	22.7	21.9	23.1	23.5	21.2	22.5	21.6	22.9	23.3
4H	2H	19.6	21.1	20.0	21.5	21.8	19.5	21.0	19.9	21.3	21.7
	3H	21.1	22.3	21.5	22.7	23.1	20.8	22.1	21.2	22.5	22.9
	4H	21.6	22.7	22.0	23.1	23.5	21.3	22.4	21.7	22.9	23.3
	6H	22.0	23.0	22.5	23.5	23.9	21.8	22.8	22.2	23.2	23.7
	8H	22.2	23.2	22.7	23.6	24.1	22.0	23.0	22.5	23.4	23.9
	12H	22.4	23.3	22.9	23.7	24.2	22.2	23.1	22.7	23.5	24.0
8H	4H	21.7	22.7	22.2	23.1	23.6	21.5	22.4	22.0	22.9	23.3
	6H	22.4	23.1	22.8	23.6	24.1	22.1	22.9	22.6	23.4	23.9
	8H	22.7	23.4	23.2	23.9	24.3	22.5	23.2	23.0	23.7	24.2
	12H	23.0	23.6	23.5	24.1	24.6	22.8	23.4	23.3	23.9	24.5
12H	4H	21.8	22.6	22.3	23.1	23.6	21.5	22.4	22.0	22.9	23.3
	6H	22.4	23.1	22.9	23.6	24.1	22.2	22.9	22.7	23.4	23.9
	8H	22.8	23.4	23.3	23.9	24.5	22.6	23.3	23.1	23.7	24.3















(END OF REPORT)