

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: P1527284

Luminaire Tested: 22CGSB-45-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527284
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-45-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

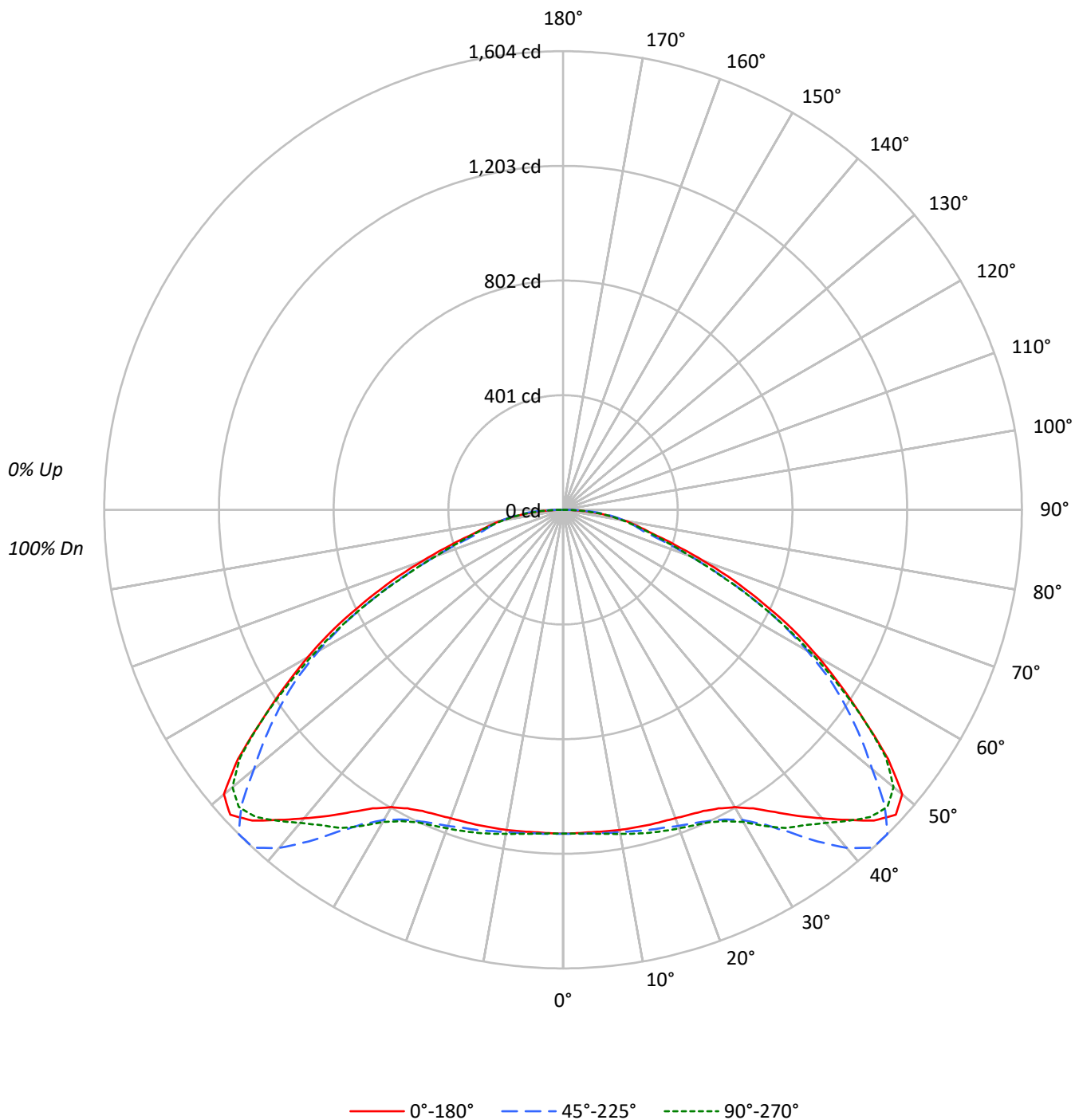
Lumens per Lamp: N/A
Luminaire Lumens: 5359.4 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38.2
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: P1527284

CATALOG NUMBER: 22CGSB-45-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1527284

CATALOG NUMBER: 22CGSB-45-A125-L930

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°	3048	3048	3048
5°	3057	3068	3071
10°	3106	3128	3145
15°	3181	3229	3257
20°	3287	3369	3395
25°	3450	3565	3580
30°	3731	3891	3916
35°	4236	4516	4463
40°	4946	5423	5021
45°	5848	6102	5782
50°	6480	5903	6314
55°	6041	5685	6036
60°	5546	5307	5405
65°	4905	4628	4621
70°	4109	3703	3711
75°	3378	3031	3273
80°	3436	3420	3279
85°	3375	4063	3440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6480 cd/sqm

TEST NUMBER: P1527284

CATALOG NUMBER: 22CGSB-45-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	2.0
10°-20°	328.5	6.1
20°-30°	555.4	10.4
30°-40°	854.0	15.9
40°-50°	1186.8	22.1
50°-60°	1117.2	20.8
60°-70°	737.8	13.8
70°-80°	342.8	6.4
80°-90°	128.3	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°	992.5	18.5
0°-40°	1846.5	34.5
0°-60°	4150.4	77.4
0°-90°	5359.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5359.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1132	1135	1136	1138	1137	108
15°	1142	1147	1159	1167	1169	324
25°	1162	1177	1201	1208	1206	541
35°	1290	1335	1375	1370	1358	816
45°	1537	1591	1604	1565	1519	1176
55°	1288	1269	1212	1253	1287	1154
65°	770	763	727	738	726	765
75°	325	313	292	301	315	364
85°	109	126	132	128	111	119
90°	0	0	0	0	0	

TEST NUMBER: P1527284

CATALOG NUMBER: 22CGSB-45-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.7	1132.7	1132.7	1132.7	1132.7
2.5°	1131.7	1133.8	1134.8	1135.8	1132.7
5°	1131.7	1134.8	1135.8	1137.8	1136.8
7.5°	1133.8	1136.8	1139.8	1141.9	1142.9
10°	1136.8	1139.8	1144.9	1151.0	1151.0
12.5°	1138.8	1143.9	1151.0	1159.1	1160.1
15°	1141.9	1146.9	1159.1	1167.2	1169.2
17.5°	1143.9	1152.0	1166.1	1176.3	1177.3
20°	1147.9	1157.0	1176.3	1185.4	1185.4
22.5°	1154.0	1166.1	1186.4	1194.5	1194.5
25°	1162.1	1177.3	1200.6	1207.7	1205.6
27.5°	1177.3	1195.5	1220.8	1228.9	1226.9
30°	1200.6	1224.9	1252.2	1262.3	1260.3
32.5°	1238.0	1268.4	1302.8	1311.9	1310.9
35°	1289.6	1335.2	1374.7	1369.6	1358.5
37.5°	1349.4	1417.2	1461.7	1414.2	1389.9
40°	1408.1	1500.2	1543.7	1466.8	1429.3
42.5°	1470.8	1565.0	1602.4	1527.5	1474.9
45°	1536.6	1591.3	1603.5	1565.0	1519.4
47.5°	1578.1	1549.8	1523.5	1546.8	1537.7
50°	1547.8	1452.6	1410.1	1454.6	1508.3
52.5°	1432.4	1362.5	1312.9	1354.4	1422.3
55°	1287.6	1269.4	1211.7	1253.2	1286.6
57.5°	1155.0	1169.2	1106.4	1137.8	1142.9
60°	1030.5	1040.6	986.0	1012.3	1004.2
62.5°	904.0	905.0	862.5	877.6	865.5
65°	770.3	763.3	726.8	738.0	725.8
67.5°	644.8	628.6	594.2	599.3	588.1
70°	522.3	503.1	470.7	477.8	471.7
72.5°	413.0	397.8	369.5	378.6	384.7
75°	324.9	312.8	291.5	300.6	314.8
77.5°	269.3	254.1	256.1	250.0	260.2
80°	221.7	212.6	220.7	214.6	211.6
82.5°	165.0	174.1	177.1	180.2	165.0
85°	109.3	125.5	131.6	127.5	111.4
87.5°	53.7	67.8	69.8	68.8	57.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527284

CATALOG NUMBER: 22CGSB-45-A125-L930

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	18.9	20.7	19.3	21.0	21.3
	3H	20.4	22.0	20.7	22.3	22.6	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	22.3	22.7
	6H	21.1	22.5	21.5	22.9	23.2	20.8	22.2	21.2	22.6	23.0
	8H	21.3	22.6	21.7	23.0	23.4	21.0	22.3	21.4	22.7	23.1
	12H	21.4	22.6	21.8	23.0	23.5	21.1	22.4	21.6	22.8	23.2
4H	2H	19.5	21.0	19.9	21.4	21.8	19.4	20.9	19.8	21.2	21.6
	3H	21.0	22.2	21.4	22.6	23.0	20.7	22.0	21.2	22.4	22.8
	4H	21.5	22.6	21.9	23.0	23.5	21.2	22.4	21.7	22.8	23.2
	6H	22.0	23.0	22.4	23.4	23.8	21.7	22.7	22.2	23.2	23.6
	8H	22.2	23.1	22.6	23.5	24.0	22.0	22.9	22.4	23.3	23.8
	12H	22.4	23.2	22.8	23.7	24.1	22.2	23.0	22.6	23.5	23.9
8H	4H	21.7	22.6	22.1	23.0	23.5	21.4	22.4	21.9	22.8	23.3
	6H	22.3	23.1	22.8	23.5	24.0	22.1	22.9	22.6	23.3	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	22.7	23.4	23.2	23.8	24.4
12H	4H	21.7	22.5	22.2	23.0	23.5	21.5	22.3	22.0	22.8	23.3
	6H	22.4	23.1	22.9	23.5	24.1	22.2	22.9	22.7	23.3	23.9
	8H	22.7	23.3	23.2	23.8	24.4	22.6	23.2	23.1	23.7	24.2













(END OF REPORT)