

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: P1527285

Luminaire Tested: 22CGSB-45-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527285
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

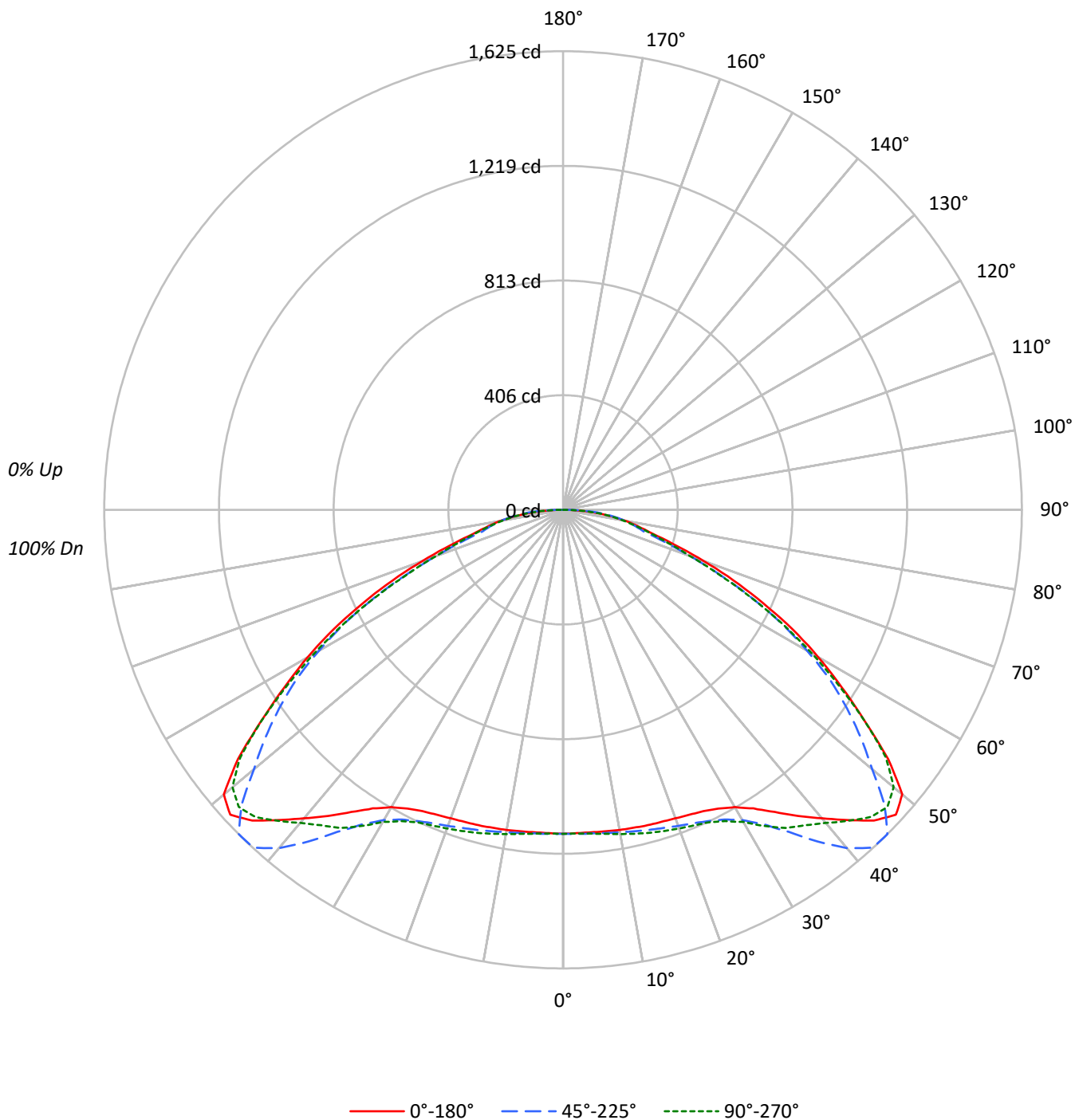
Lumens per Lamp: N/A
Luminaire Lumens: 5430.5 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1527285

CATALOG NUMBER: 22CGSB-45-A125-L935

Luminous Intensity Polar Plot



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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°	3089	3089	3089
5°	3098	3109	3112
10°	3148	3170	3187
15°	3223	3272	3300
20°	3331	3413	3440
25°	3496	3612	3627
30°	3780	3943	3968
35°	4293	4576	4522
40°	5012	5495	5088
45°	5925	6183	5859
50°	6566	5982	6398
55°	6121	5760	6116
60°	5620	5377	5476
65°	4970	4690	4683
70°	4164	3753	3761
75°	3424	3071	3317
80°	3481	3465	3322
85°	3421	4116	3483

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6566 cd/sqm

TEST NUMBER: P1527285

CATALOG NUMBER: 22CGSB-45-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	2.0
10°-20°	332.8	6.1
20°-30°	562.7	10.4
30°-40°	865.3	15.9
40°-50°	1202.5	22.1
50°-60°	1132.0	20.8
60°-70°	747.6	13.8
70°-80°	347.4	6.4
80°-90°	130.0	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°	1005.7	18.5
0°-40°	1871.0	34.5
0°-60°	4205.5	77.4
0°-90°	5430.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5430.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1147	1150	1151	1153	1152	110
15°	1157	1162	1174	1183	1185	328
25°	1178	1193	1216	1224	1222	548
35°	1307	1353	1393	1388	1376	827
45°	1557	1612	1625	1586	1540	1191
55°	1305	1286	1228	1270	1304	1169
65°	781	773	736	748	735	775
75°	329	317	295	305	319	368
85°	111	127	133	129	113	121
90°	0	0	0	0	0	

TEST NUMBER: P1527285

CATALOG NUMBER: 22CGSB-45-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1147.8	1147.8	1147.8	1147.8	1147.8
2.5°	1146.7	1148.8	1149.8	1150.8	1147.8
5°	1146.7	1149.8	1150.8	1152.9	1151.9
7.5°	1148.8	1151.9	1154.9	1157.0	1158.0
10°	1151.9	1154.9	1160.1	1166.2	1166.2
12.5°	1153.9	1159.0	1166.2	1174.4	1175.5
15°	1157.0	1162.1	1174.4	1182.6	1184.7
17.5°	1159.0	1167.3	1181.6	1191.9	1192.9
20°	1163.1	1172.4	1191.9	1201.1	1201.1
22.5°	1169.3	1181.6	1202.1	1210.3	1210.3
25°	1177.5	1192.9	1216.5	1223.7	1221.6
27.5°	1192.9	1211.4	1237.0	1245.2	1243.2
30°	1216.5	1241.1	1268.8	1279.1	1277.0
32.5°	1254.4	1285.2	1320.1	1329.3	1328.3
35°	1306.7	1352.9	1392.9	1387.8	1376.5
37.5°	1367.3	1436.0	1481.1	1432.9	1408.3
40°	1426.8	1520.1	1564.2	1486.2	1448.3
42.5°	1490.3	1585.7	1623.7	1547.8	1494.5
45°	1557.0	1612.4	1624.7	1585.7	1539.6
47.5°	1599.1	1570.4	1543.7	1567.3	1558.0
50°	1568.3	1471.9	1428.8	1473.9	1528.3
52.5°	1451.4	1380.6	1330.3	1372.4	1441.1
55°	1304.7	1286.2	1227.8	1269.8	1303.7
57.5°	1170.3	1184.7	1121.1	1152.9	1158.0
60°	1044.2	1054.4	999.0	1025.7	1017.5
62.5°	916.0	917.0	873.9	889.3	877.0
65°	780.6	773.4	736.5	747.7	735.4
67.5°	653.4	637.0	602.1	607.2	595.9
70°	529.3	509.8	477.0	484.1	478.0
72.5°	418.5	403.1	374.4	383.6	389.8
75°	329.3	316.9	295.4	304.6	319.0
77.5°	272.8	257.5	259.5	253.3	263.6
80°	224.6	215.4	223.6	217.4	214.4
82.5°	167.2	176.4	179.5	182.6	167.2
85°	110.8	127.2	133.3	129.2	112.8
87.5°	54.4	68.7	70.8	69.7	58.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527285

CATALOG NUMBER: 22CGSB-45-A125-L935

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	21.4
	3H	20.4	22.0	20.8	22.3	22.7	20.1	21.7	20.5	22.1	22.4
	4H	20.8	22.3	21.2	22.6	23.0	20.5	22.0	20.9	22.4	22.7
	6H	21.2	22.5	21.6	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	21.5	22.8	23.2
	12H	21.4	22.7	21.8	23.1	23.5	21.2	22.4	21.6	22.8	23.3
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	22.7	22.0	23.1	23.5	21.3	22.4	21.7	22.8	23.3
	6H	22.0	23.0	22.5	23.4	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	22.9	22.5	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	22.9	23.3
	6H	22.3	23.1	22.8	23.6	24.1	22.1	22.9	22.6	23.4	23.9
	8H	22.6	23.3	23.1	23.8	24.3	22.5	23.2	23.0	23.7	24.1
	12H	22.9	23.6	23.4	24.0	24.6	22.8	23.4	23.3	23.9	24.4
12H	4H	21.7	22.6	22.2	23.1	23.5	21.5	22.4	22.0	22.8	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	24.4	22.6	23.2	23.1	23.7	24.3















(END OF REPORT)