

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: P1527268

Luminaire Tested: 22CGSB-35-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527268
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-35-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

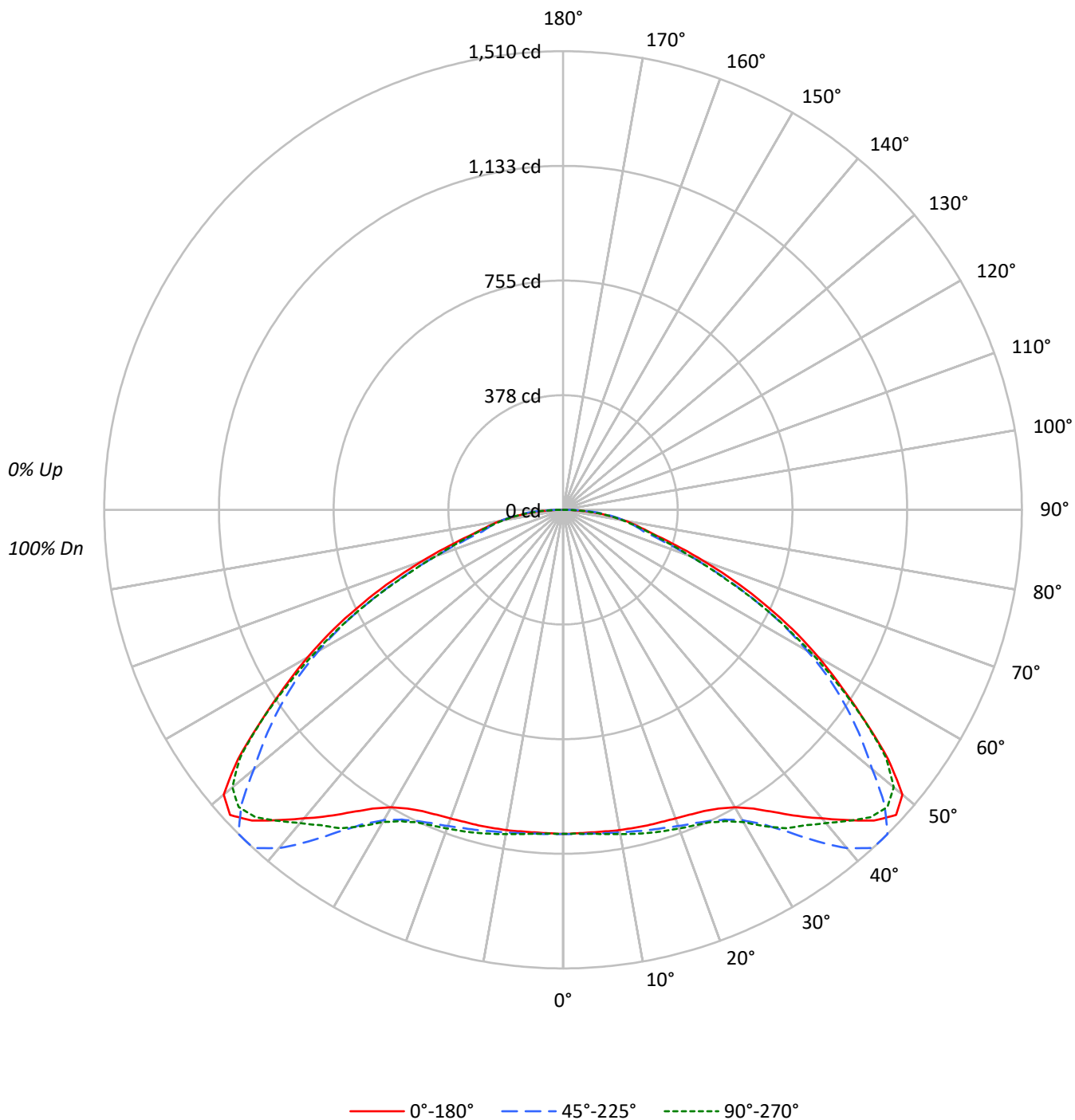
Lumens per Lamp: N/A
Luminaire Lumens: 5047.8 lumens
Efficiency: N/A
Efficacy: 172.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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: P1527268

CATALOG NUMBER: 22CGSB-35-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1527268

CATALOG NUMBER: 22CGSB-35-A125-L840

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°	2871	2871	2871
5°	2879	2890	2892
10°	2926	2946	2962
15°	2996	3041	3068
20°	3096	3173	3197
25°	3250	3358	3371
30°	3514	3665	3688
35°	3990	4254	4203
40°	4659	5108	4729
45°	5508	5747	5446
50°	6103	5560	5947
55°	5690	5354	5685
60°	5224	4998	5090
65°	4620	4359	4353
70°	3871	3488	3496
75°	3183	2855	3083
80°	3236	3220	3088
85°	3180	3825	3239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6103 cd/sqm

TEST NUMBER: P1527268

CATALOG NUMBER: 22CGSB-35-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	2.0
10°-20°	309.4	6.1
20°-30°	523.1	10.4
30°-40°	804.3	15.9
40°-50°	1117.8	22.1
50°-60°	1052.2	20.8
60°-70°	694.9	13.8
70°-80°	322.9	6.4
80°-90°	120.9	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°	934.8	18.5
0°-40°	1739.2	34.5
0°-60°	3909.2	77.4
0°-90°	5047.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5047.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1066	1069	1070	1072	1071	102
15°	1076	1080	1092	1099	1101	305
25°	1094	1109	1131	1137	1136	509
35°	1215	1258	1295	1290	1280	769
45°	1447	1499	1510	1474	1431	1107
55°	1213	1196	1141	1180	1212	1087
65°	726	719	685	695	684	720
75°	306	295	275	283	296	342
85°	103	118	124	120	105	112
90°	0	0	0	0	0	

TEST NUMBER: P1527268

CATALOG NUMBER: 22CGSB-35-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1065.9	1067.8	1068.8	1069.8	1066.9
5°	1065.9	1068.8	1069.8	1071.7	1070.7
7.5°	1067.8	1070.7	1073.6	1075.5	1076.4
10°	1070.7	1073.6	1078.3	1084.1	1084.1
12.5°	1072.6	1077.4	1084.1	1091.7	1092.6
15°	1075.5	1080.2	1091.7	1099.3	1101.2
17.5°	1077.4	1085.0	1098.4	1107.9	1108.8
20°	1081.2	1089.8	1107.9	1116.5	1116.5
22.5°	1086.9	1098.4	1117.4	1125.1	1125.1
25°	1094.5	1108.8	1130.8	1137.4	1135.5
27.5°	1108.8	1126.0	1149.8	1157.5	1155.6
30°	1130.8	1153.7	1179.4	1188.9	1187.0
32.5°	1166.1	1194.7	1227.1	1235.7	1234.7
35°	1214.7	1257.6	1294.8	1290.0	1279.5
37.5°	1270.9	1334.8	1376.8	1331.9	1309.1
40°	1326.2	1413.0	1454.0	1381.5	1346.2
42.5°	1385.3	1474.0	1509.3	1438.7	1389.2
45°	1447.3	1498.8	1510.2	1474.0	1431.1
47.5°	1486.4	1459.7	1434.9	1456.8	1448.3
50°	1457.8	1368.2	1328.1	1370.1	1420.6
52.5°	1349.1	1283.3	1236.6	1275.7	1339.6
55°	1212.8	1195.6	1141.3	1180.4	1211.8
57.5°	1087.9	1101.2	1042.1	1071.7	1076.4
60°	970.6	980.1	928.6	953.4	945.8
62.5°	851.4	852.4	812.3	826.6	815.2
65°	725.6	718.9	684.6	695.1	683.6
67.5°	607.3	592.1	559.7	564.4	553.9
70°	492.0	473.9	443.3	450.0	444.3
72.5°	389.0	374.7	348.0	356.6	362.3
75°	306.1	294.6	274.6	283.2	296.5
77.5°	253.6	239.3	241.2	235.5	245.0
80°	208.8	200.2	207.8	202.1	199.3
82.5°	155.4	164.0	166.9	169.7	155.4
85°	103.0	118.2	123.9	120.1	104.9
87.5°	50.5	63.9	65.8	64.8	54.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527268

CATALOG NUMBER: 22CGSB-35-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	18.9	20.6	19.3	21.0	21.3	18.7	20.5	19.1	20.8	21.1
	3H	20.2	21.7	20.5	22.1	22.4	19.9	21.5	20.3	21.8	22.2
	4H	20.6	22.0	20.9	22.4	22.8	20.3	21.8	20.7	22.1	22.5
	6H	20.9	22.3	21.3	22.6	23.0	20.6	22.0	21.0	22.4	22.8
	8H	21.0	22.4	21.5	22.8	23.2	20.8	22.1	21.2	22.5	22.9
	12H	21.2	22.4	21.6	22.8	23.2	20.9	22.2	21.3	22.6	23.0
4H	2H	19.3	20.8	19.7	21.2	21.6	19.2	20.7	19.6	21.0	21.4
	3H	20.8	22.0	21.2	22.4	22.8	20.5	21.8	20.9	22.2	22.6
	4H	21.3	22.4	21.7	22.8	23.3	21.0	22.2	21.5	22.6	23.0
	6H	21.8	22.7	22.2	23.2	23.6	21.5	22.5	22.0	22.9	23.4
	8H	22.0	22.9	22.4	23.3	23.8	21.7	22.7	22.2	23.1	23.6
	12H	22.2	23.0	22.6	23.5	23.9	22.0	22.8	22.4	23.3	23.7
8H	4H	21.5	22.4	21.9	22.8	23.3	21.2	22.2	21.7	22.6	23.1
	6H	22.1	22.8	22.6	23.3	23.8	21.9	22.6	22.4	23.1	23.6
	8H	22.4	23.1	22.9	23.6	24.1	22.2	22.9	22.7	23.4	23.9
	12H	22.7	23.3	23.2	23.8	24.3	22.5	23.1	23.0	23.6	24.2
12H	4H	21.5	22.3	22.0	22.8	23.3	21.3	22.1	21.7	22.6	23.0
	6H	22.1	22.9	22.7	23.3	23.8	21.9	22.7	22.5	23.1	23.6
	8H	22.5	23.1	23.0	23.6	24.2	22.3	23.0	22.8	23.5	24.0













(END OF REPORT)