

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: P1527267

Luminaire Tested: 22CGSB-35-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527267
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

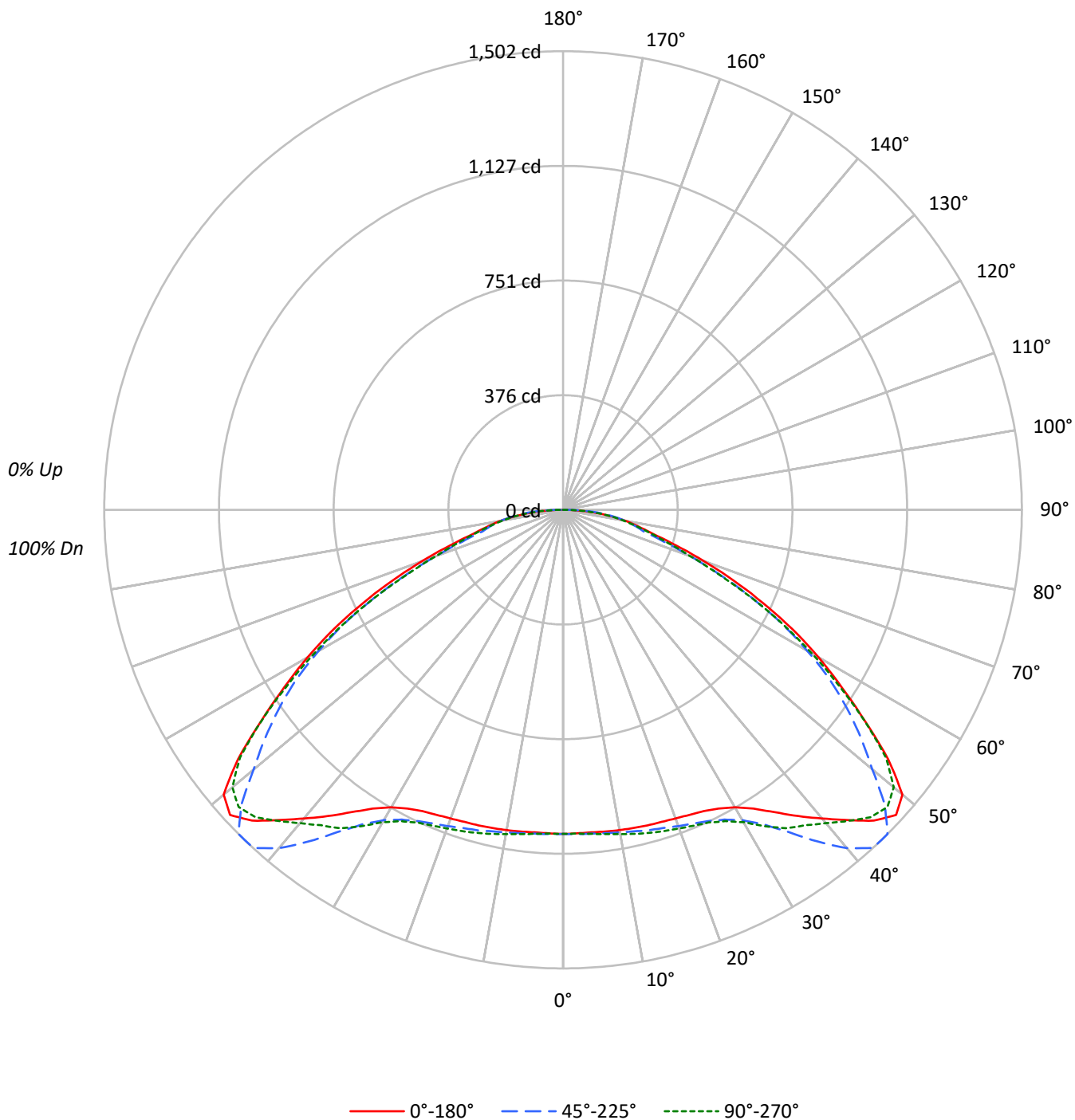
Lumens per Lamp: N/A
Luminaire Lumens: 5021.4 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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°	2856	2856	2856
5°	2864	2875	2877
10°	2910	2931	2947
15°	2980	3025	3052
20°	3080	3156	3180
25°	3233	3340	3354
30°	3495	3645	3669
35°	3969	4231	4181
40°	4634	5081	4704
45°	5479	5717	5418
50°	6071	5531	5916
55°	5660	5326	5656
60°	5196	4972	5064
65°	4596	4336	4330
70°	3851	3470	3478
75°	3166	2840	3067
80°	3219	3205	3071
85°	3162	3807	3220

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 6071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	2.0
10°-20°	307.8	6.1
20°-30°	520.3	10.4
30°-40°	800.1	15.9
40°-50°	1112.0	22.1
50°-60°	1046.7	20.8
60°-70°	691.3	13.8
70°-80°	321.3	6.4
80°-90°	120.2	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°	929.9	18.5
0°-40°	1730.0	34.5
0°-60°	3888.7	77.4
0°-90°	5021.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5021.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1060	1063	1064	1066	1065	101
15°	1070	1075	1086	1094	1096	303
25°	1089	1103	1125	1132	1130	507
35°	1208	1251	1288	1283	1273	765
45°	1440	1491	1502	1466	1424	1102
55°	1206	1189	1135	1174	1206	1081
65°	722	715	681	691	680	717
75°	304	293	273	282	295	341
85°	102	118	123	120	104	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1060.4	1062.3	1063.2	1064.2	1061.3
5°	1060.4	1063.2	1064.2	1066.1	1065.1
7.5°	1062.3	1065.1	1067.9	1069.8	1070.8
10°	1065.1	1067.9	1072.7	1078.4	1078.4
12.5°	1067.0	1071.7	1078.4	1086.0	1086.9
15°	1069.8	1074.6	1086.0	1093.6	1095.5
17.5°	1071.7	1079.3	1092.6	1102.1	1103.0
20°	1075.5	1084.1	1102.1	1110.6	1110.6
22.5°	1081.2	1092.6	1111.6	1119.2	1119.2
25°	1088.8	1103.0	1124.9	1131.5	1129.6
27.5°	1103.0	1120.1	1143.8	1151.4	1149.5
30°	1124.9	1147.6	1173.2	1182.7	1180.8
32.5°	1159.9	1188.4	1220.6	1229.2	1228.2
35°	1208.3	1251.0	1288.0	1283.2	1272.8
37.5°	1264.3	1327.8	1369.6	1325.0	1302.2
40°	1319.3	1405.6	1446.4	1374.3	1339.2
42.5°	1378.1	1466.3	1501.4	1431.2	1381.9
45°	1439.7	1491.0	1502.3	1466.3	1423.6
47.5°	1478.6	1452.1	1427.4	1449.2	1440.7
50°	1450.2	1361.0	1321.2	1362.9	1413.2
52.5°	1342.0	1276.6	1230.1	1269.0	1332.6
55°	1206.4	1189.3	1135.3	1174.2	1205.5
57.5°	1082.2	1095.5	1036.6	1066.1	1070.8
60°	965.5	975.0	923.8	948.4	940.9
62.5°	847.0	847.9	808.1	822.3	810.9
65°	721.8	715.1	681.0	691.4	680.0
67.5°	604.2	589.0	556.7	561.5	551.0
70°	489.4	471.4	441.0	447.7	442.0
72.5°	387.0	372.7	346.2	354.7	360.4
75°	304.5	293.1	273.2	281.7	295.0
77.5°	252.3	238.1	240.0	234.3	243.8
80°	207.7	199.2	206.8	201.1	198.2
82.5°	154.6	163.1	166.0	168.8	154.6
85°	102.4	117.6	123.3	119.5	104.3
87.5°	50.3	63.5	65.4	64.5	54.1
90°	0.0	0.0	0.0	0.0	0.0

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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	19.2	20.9	21.3	18.7	20.5	19.1	20.8	21.1
	3H	20.1	21.7	20.5	22.1	22.4	19.9	21.5	20.2	21.8	22.1
	4H	20.5	22.0	20.9	22.4	22.7	20.3	21.7	20.6	22.1	22.5
	6H	20.9	22.3	21.3	22.6	23.0	20.6	22.0	21.0	22.4	22.7
	8H	21.0	22.4	21.4	22.7	23.1	20.8	22.1	21.2	22.5	22.9
	12H	21.1	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	21.5	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	23.2	21.0	22.1	21.4	22.6	23.0
	6H	21.7	22.7	22.2	23.2	23.6	21.5	22.5	21.9	22.9	23.4
	8H	21.9	22.9	22.4	23.3	23.8	21.7	22.7	22.2	23.1	23.6
	12H	22.1	23.0	22.6	23.5	23.9	21.9	22.8	22.4	23.3	23.7
8H	4H	21.4	22.4	21.9	22.8	23.3	21.2	22.1	21.7	22.6	23.0
	6H	22.1	22.8	22.5	23.3	23.8	21.8	22.6	22.3	23.1	23.6
	8H	22.4	23.1	22.9	23.6	24.0	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	21.2	22.1	21.7	22.6	23.0
	6H	22.1	22.8	22.6	23.3	23.8	21.9	22.6	22.4	23.1	23.6
	8H	22.5	23.1	23.0	23.6	24.2	22.3	23.0	22.8	23.4	24.0











(END OF REPORT)