

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: P1527266

Luminaire Tested: 22CGSB-35-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527266
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

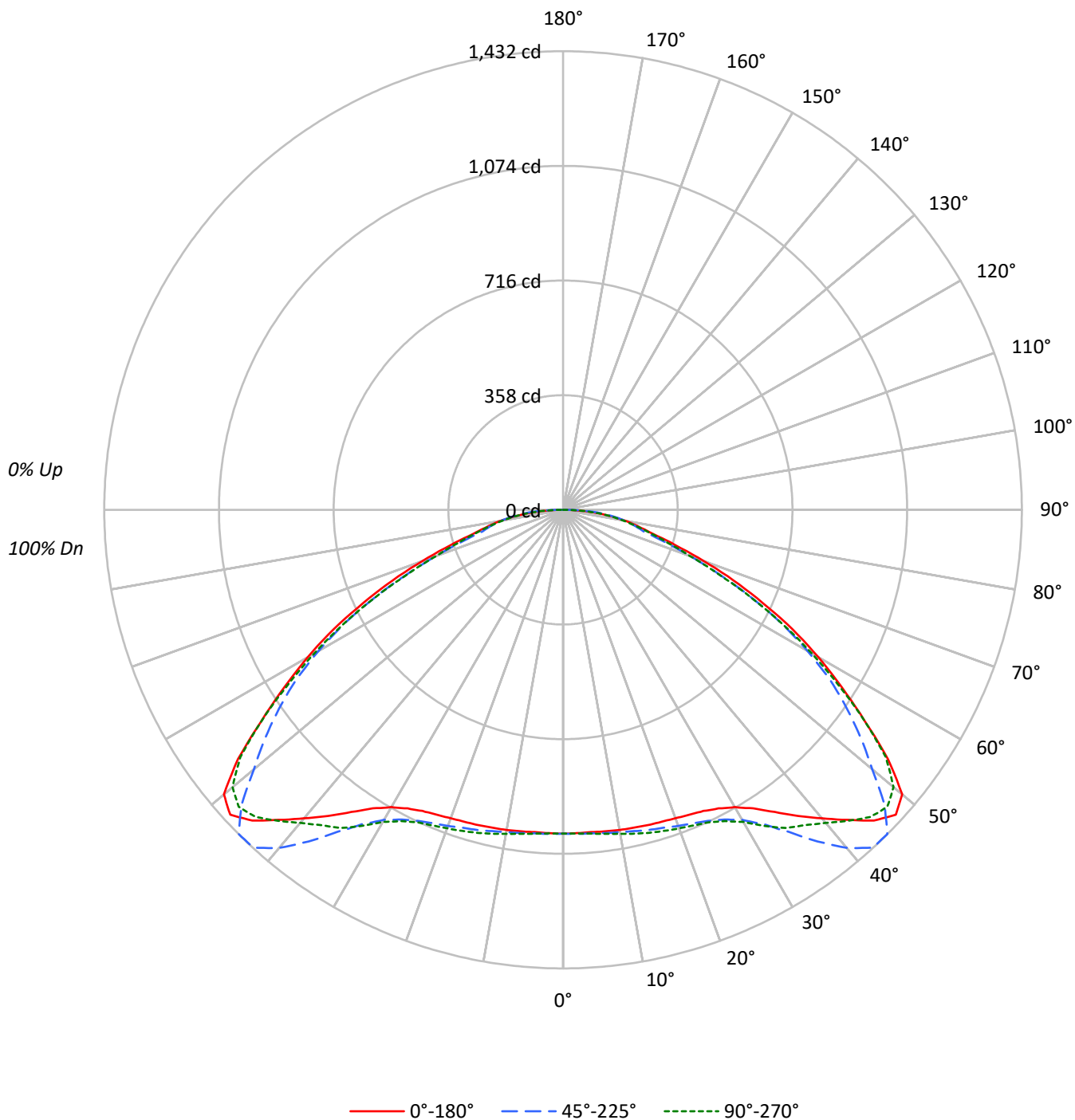
Lumens per Lamp: N/A
Luminaire Lumens: 4784.6 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	2721	2721	2721
5°	2729	2739	2742
10°	2773	2793	2808
15°	2840	2883	2908
20°	2935	3007	3030
25°	3081	3182	3196
30°	3330	3474	3496
35°	3782	4031	3984
40°	4416	4841	4482
45°	5221	5448	5162
50°	5785	5270	5637
55°	5393	5075	5389
60°	4951	4737	4825
65°	4379	4132	4126
70°	3669	3306	3313
75°	3016	2706	2923
80°	3067	3053	2927
85°	3013	3628	3069

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5785 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	2.0
10°-20°	293.2	6.1
20°-30°	495.8	10.4
30°-40°	762.4	15.9
40°-50°	1059.5	22.1
50°-60°	997.3	20.8
60°-70°	658.7	13.8
70°-80°	306.1	6.4
80°-90°	114.6	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°	886.1	18.5
0°-40°	1648.4	34.5
0°-60°	3705.3	77.4
0°-90°	4784.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4784.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1010	1013	1014	1016	1015	97
15°	1019	1024	1035	1042	1044	289
25°	1038	1051	1072	1078	1076	483
35°	1151	1192	1227	1223	1213	729
45°	1372	1421	1432	1397	1356	1050
55°	1150	1133	1082	1119	1149	1030
65°	688	681	649	659	648	683
75°	290	279	260	268	281	325
85°	98	112	118	114	99	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1011.2	1011.2	1011.2	1011.2	1011.2
2.5°	1010.3	1012.2	1013.1	1014.0	1011.2
5°	1010.3	1013.1	1014.0	1015.8	1014.9
7.5°	1012.2	1014.9	1017.6	1019.4	1020.3
10°	1014.9	1017.6	1022.1	1027.5	1027.5
12.5°	1016.7	1021.2	1027.5	1034.7	1035.6
15°	1019.4	1023.9	1034.7	1042.0	1043.8
17.5°	1021.2	1028.4	1041.1	1050.1	1051.0
20°	1024.8	1032.9	1050.1	1058.2	1058.2
22.5°	1030.2	1041.1	1059.1	1066.4	1066.4
25°	1037.5	1051.0	1071.8	1078.1	1076.3
27.5°	1051.0	1067.3	1089.9	1097.1	1095.3
30°	1071.8	1093.5	1117.9	1126.9	1125.1
32.5°	1105.2	1132.3	1163.1	1171.2	1170.3
35°	1151.3	1192.0	1227.2	1222.7	1212.8
37.5°	1204.6	1265.2	1305.0	1262.5	1240.8
40°	1257.1	1339.3	1378.2	1309.5	1276.0
42.5°	1313.1	1397.1	1430.6	1363.7	1316.7
45°	1371.8	1420.6	1431.5	1397.1	1356.5
47.5°	1408.9	1383.6	1360.1	1380.9	1372.7
50°	1381.8	1296.8	1258.9	1298.6	1346.5
52.5°	1278.7	1216.4	1172.1	1209.2	1269.7
55°	1149.5	1133.2	1081.7	1118.8	1148.6
57.5°	1031.1	1043.8	987.8	1015.8	1020.3
60°	920.0	929.0	880.2	903.7	896.5
62.5°	807.0	807.9	770.0	783.5	772.7
65°	687.7	681.4	648.9	658.8	648.0
67.5°	575.7	561.2	530.5	535.0	525.1
70°	466.3	449.1	420.2	426.5	421.1
72.5°	368.7	355.2	329.9	338.0	343.4
75°	290.1	279.2	260.3	268.4	281.1
77.5°	240.4	226.8	228.6	223.2	232.3
80°	197.9	189.8	197.0	191.6	188.9
82.5°	147.3	155.4	158.1	160.9	147.3
85°	97.6	112.1	117.5	113.9	99.4
87.5°	47.9	60.5	62.4	61.5	51.5
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	18.7	20.5	19.1	20.8	21.1	18.5	20.3	18.9	20.6	20.9
	3H	20.0	21.6	20.4	21.9	22.2	19.7	21.3	20.1	21.6	22.0
	4H	20.4	21.9	20.8	22.2	22.6	20.1	21.6	20.5	21.9	22.3
	6H	20.7	22.1	21.1	22.5	22.9	20.4	21.8	20.8	22.2	22.6
	8H	20.9	22.2	21.3	22.6	23.0	20.6	21.9	21.0	22.3	22.7
	12H	21.0	22.3	21.4	22.6	23.1	20.7	22.0	21.2	22.4	22.8
4H	2H	19.1	20.6	19.5	21.0	21.4	19.0	20.5	19.4	20.9	21.2
	3H	20.6	21.8	21.0	22.2	22.6	20.4	21.6	20.8	22.0	22.4
	4H	21.1	22.2	21.5	22.6	23.1	20.8	22.0	21.3	22.4	22.8
	6H	21.6	22.6	22.0	23.0	23.5	21.3	22.3	21.8	22.8	23.2
	8H	21.8	22.7	22.2	23.2	23.6	21.6	22.5	22.0	22.9	23.4
	12H	22.0	22.8	22.4	23.3	23.7	21.8	22.6	22.2	23.1	23.5
8H	4H	21.3	22.2	21.7	22.6	23.1	21.0	22.0	21.5	22.4	22.9
	6H	21.9	22.7	22.4	23.1	23.6	21.7	22.5	22.2	22.9	23.4
	8H	22.2	22.9	22.7	23.4	23.9	22.0	22.7	22.5	23.2	23.7
	12H	22.5	23.1	23.0	23.6	24.2	22.3	23.0	22.8	23.5	24.0
12H	4H	21.3	22.1	21.8	22.6	23.1	21.1	21.9	21.6	22.4	22.9
	6H	22.0	22.7	22.5	23.1	23.7	21.8	22.5	22.3	22.9	23.5
	8H	22.3	23.0	22.8	23.4	24.0	22.2	22.8	22.7	23.3	23.8















(END OF REPORT)