

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: P1527261

Luminaire Tested: 22CGSB-30-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527261
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-30-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

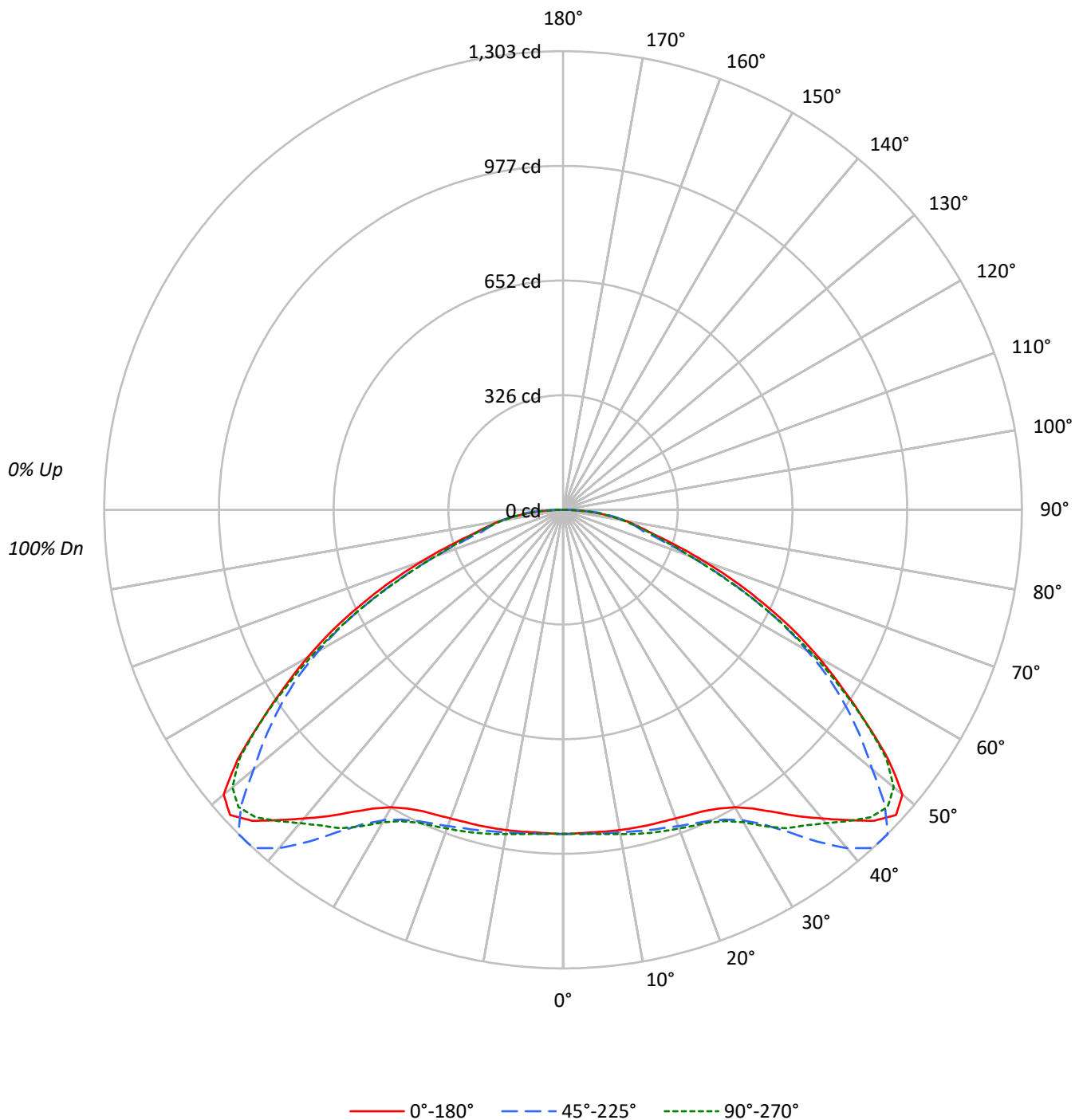
Lumens per Lamp: N/A
Luminaire Lumens: 4356.4 lumens
Efficiency: N/A
Efficacy: 175.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.9
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°	2478	2478	2478
5°	2485	2494	2496
10°	2525	2543	2557
15°	2586	2625	2648
20°	2672	2738	2759
25°	2805	2898	2910
30°	3032	3163	3183
35°	3444	3671	3627
40°	4021	4408	4081
45°	4754	4960	4700
50°	5267	4798	5133
55°	4910	4621	4906
60°	4508	4313	4393
65°	3987	3762	3757
70°	3341	3010	3017
75°	2746	2464	2661
80°	2793	2780	2665
85°	2745	3304	2794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	2.0
10°-20°	267.0	6.1
20°-30°	451.4	10.4
30°-40°	694.1	15.9
40°-50°	964.7	22.1
50°-60°	908.1	20.8
60°-70°	599.7	13.8
70°-80°	278.7	6.4
80°-90°	104.3	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°	806.8	18.5
0°-40°	1500.9	34.5
0°-60°	3373.7	77.4
0°-90°	4356.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4356.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	920	922	923	925	924	88
15°	928	932	942	949	950	263
25°	945	957	976	982	980	440
35°	1048	1085	1117	1113	1104	664
45°	1249	1294	1303	1272	1235	956
55°	1047	1032	985	1019	1046	938
65°	626	620	591	600	590	622
75°	264	254	237	244	256	296
85°	89	102	107	104	90	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	920.8	920.8	920.8	920.8	920.8
2.5°	919.9	921.6	922.4	923.2	920.8
5°	919.9	922.4	923.2	924.9	924.0
7.5°	921.6	924.0	926.5	928.2	929.0
10°	924.0	926.5	930.6	935.6	935.6
12.5°	925.7	929.8	935.6	942.1	943.0
15°	928.2	932.3	942.1	948.7	950.4
17.5°	929.8	936.4	947.9	956.1	957.0
20°	933.1	940.5	956.1	963.5	963.5
22.5°	938.0	947.9	964.4	970.9	970.9
25°	944.6	957.0	975.9	981.6	980.0
27.5°	957.0	971.8	992.3	998.9	997.3
30°	975.9	995.6	1017.8	1026.1	1024.4
32.5°	1006.3	1031.0	1059.0	1066.4	1065.6
35°	1048.3	1085.3	1117.4	1113.3	1104.2
37.5°	1096.8	1152.0	1188.2	1149.5	1129.8
40°	1144.6	1219.4	1254.8	1192.3	1161.8
42.5°	1195.6	1272.1	1302.5	1241.7	1198.9
45°	1249.1	1293.5	1303.4	1272.1	1235.1
47.5°	1282.8	1259.8	1238.4	1257.3	1249.9
50°	1258.1	1180.8	1146.2	1182.4	1226.0
52.5°	1164.3	1107.5	1067.2	1101.0	1156.1
55°	1046.6	1031.8	984.9	1018.7	1045.8
57.5°	938.9	950.4	899.4	924.9	929.0
60°	837.6	845.9	801.4	822.8	816.3
62.5°	734.8	735.6	701.1	713.4	703.5
65°	626.2	620.4	590.8	599.8	590.0
67.5°	524.1	511.0	483.0	487.1	478.1
70°	424.6	408.9	382.6	388.4	383.4
72.5°	335.7	323.4	300.3	307.7	312.7
75°	264.1	254.3	237.0	244.4	255.9
77.5°	218.9	206.5	208.2	203.2	211.5
80°	180.2	172.8	179.4	174.4	172.0
82.5°	134.1	141.5	144.0	146.5	134.1
85°	88.9	102.0	107.0	103.7	90.5
87.5°	43.6	55.1	56.8	56.0	46.9
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	18.4	20.1	18.7	20.4	20.8	18.2	20.0	18.6	20.3	20.6
	3H	19.6	21.2	20.0	21.6	21.9	19.4	21.0	19.7	21.3	21.6
	4H	20.0	21.5	20.4	21.9	22.3	19.8	21.3	20.2	21.6	22.0
	6H	20.4	21.8	20.8	22.1	22.5	20.1	21.5	20.5	21.9	22.3
	8H	20.5	21.9	21.0	22.3	22.6	20.3	21.6	20.7	22.0	22.4
	12H	20.7	21.9	21.1	22.3	22.7	20.4	21.7	20.8	22.1	22.5
4H	2H	18.8	20.3	19.2	20.7	21.0	18.7	20.2	19.1	20.5	20.9
	3H	20.3	21.5	20.7	21.9	22.3	20.0	21.3	20.4	21.7	22.1
	4H	20.8	21.9	21.2	22.3	22.7	20.5	21.6	20.9	22.1	22.5
	6H	21.2	22.2	21.7	22.7	23.1	21.0	22.0	21.5	22.4	22.9
	8H	21.5	22.4	21.9	22.8	23.3	21.2	22.2	21.7	22.6	23.1
	12H	21.6	22.5	22.1	23.0	23.4	21.4	22.3	21.9	22.8	23.2
8H	4H	20.9	21.9	21.4	22.3	22.8	20.7	21.7	21.2	22.1	22.6
	6H	21.6	22.3	22.0	22.8	23.3	21.4	22.1	21.8	22.6	23.1
	8H	21.9	22.6	22.4	23.1	23.6	21.7	22.4	22.2	22.9	23.4
	12H	22.2	22.8	22.7	23.3	23.8	22.0	22.6	22.5	23.1	23.7
12H	4H	21.0	21.8	21.5	22.3	22.8	20.8	21.6	21.2	22.1	22.5
	6H	21.6	22.3	22.1	22.8	23.3	21.4	22.1	22.0	22.6	23.1
	8H	22.0	22.6	22.5	23.1	23.7	21.8	22.5	22.3	22.9	23.5













(END OF REPORT)