

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: P1527276

Luminaire Tested: 22CGSB-40-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527276
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-40-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

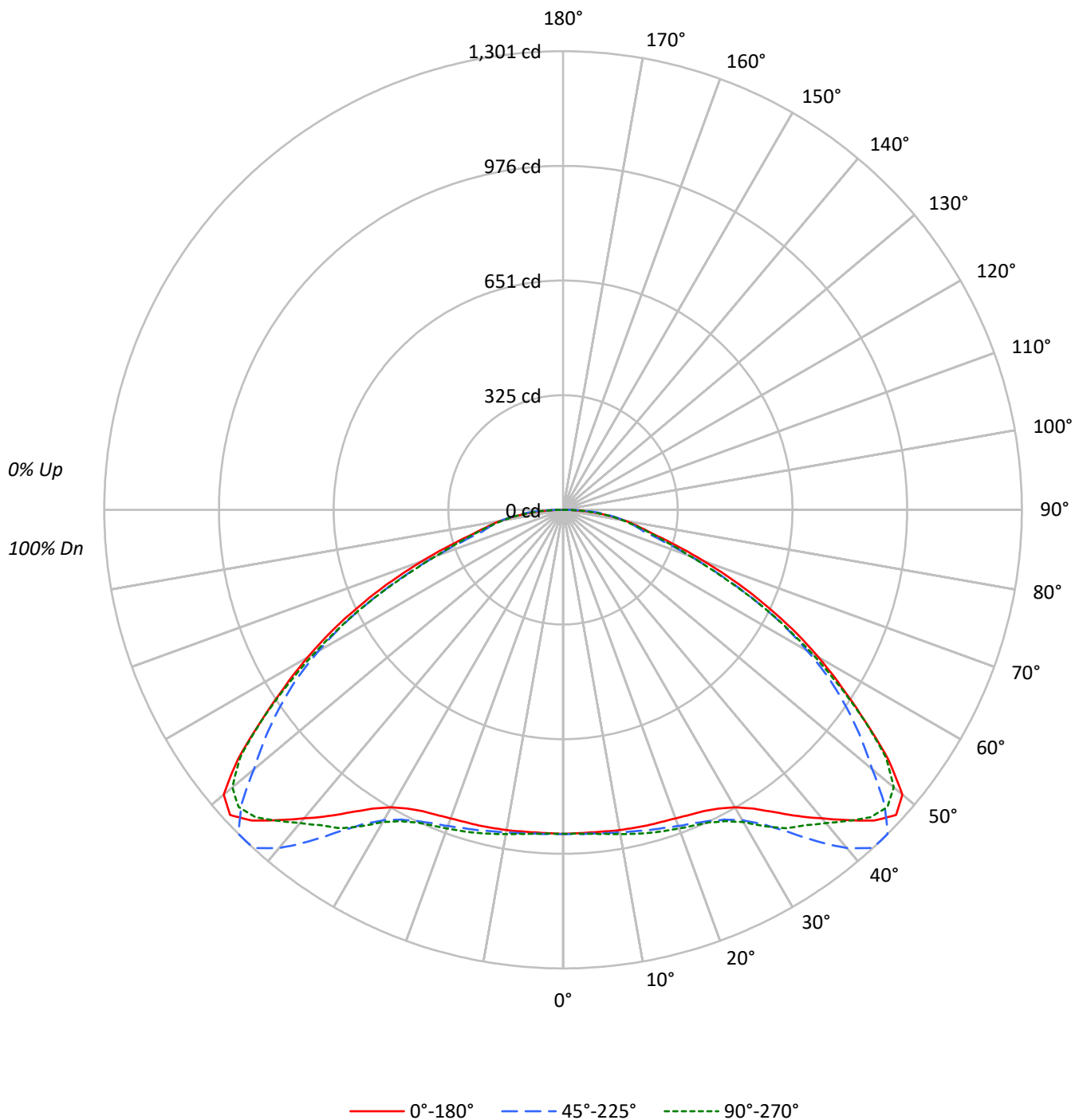
Lumens per Lamp: N/A
Luminaire Lumens: 4349.1 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.8
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°	2474	2474	2474
5°	2481	2490	2492
10°	2521	2539	2552
15°	2581	2620	2643
20°	2668	2733	2755
25°	2800	2893	2905
30°	3027	3157	3178
35°	3438	3665	3621
40°	4014	4401	4075
45°	4746	4952	4692
50°	5258	4791	5124
55°	4902	4613	4898
60°	4500	4306	4386
65°	3980	3755	3750
70°	3335	3006	3012
75°	2742	2460	2656
80°	2788	2775	2661
85°	2739	3298	2791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	2.0
10°-20°	266.6	6.1
20°-30°	450.7	10.4
30°-40°	693.0	15.9
40°-50°	963.1	22.1
50°-60°	906.6	20.8
60°-70°	598.7	13.8
70°-80°	278.2	6.4
80°-90°	104.1	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°	805.4	18.5
0°-40°	1498.4	34.5
0°-60°	3368.0	77.4
0°-90°	4349.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4349.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	918	921	922	923	922	88
15°	927	931	941	947	949	263
25°	943	955	974	980	978	439
35°	1046	1084	1116	1111	1102	662
45°	1247	1291	1301	1270	1233	954
55°	1045	1030	983	1017	1044	936
65°	625	619	590	599	589	621
75°	264	254	237	244	256	295
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°	919.2	919.2	919.2	919.2	919.2
2.5°	918.4	920.0	920.9	921.7	919.2
5°	918.4	920.9	921.7	923.3	922.5
7.5°	920.0	922.5	925.0	926.6	927.4
10°	922.5	925.0	929.1	934.0	934.0
12.5°	924.1	928.2	934.0	940.6	941.4
15°	926.6	930.7	940.6	947.1	948.8
17.5°	928.2	934.8	946.3	954.5	955.4
20°	931.5	938.9	954.5	961.9	961.9
22.5°	936.5	946.3	962.7	969.3	969.3
25°	943.0	955.4	974.2	980.0	978.4
27.5°	955.4	970.1	990.7	997.2	995.6
30°	974.2	994.0	1016.1	1024.4	1022.7
32.5°	1004.6	1029.3	1057.2	1064.6	1063.8
35°	1046.5	1083.5	1115.5	1111.4	1102.4
37.5°	1095.0	1150.0	1186.2	1147.6	1127.9
40°	1142.6	1217.4	1252.7	1190.3	1159.9
42.5°	1193.6	1270.0	1300.4	1239.6	1196.9
45°	1247.0	1291.3	1301.2	1270.0	1233.0
47.5°	1280.7	1257.7	1236.3	1255.2	1247.8
50°	1256.0	1178.8	1144.3	1180.4	1224.0
52.5°	1162.4	1105.7	1065.4	1099.1	1154.1
55°	1044.9	1030.1	983.3	1017.0	1044.1
57.5°	937.3	948.8	897.9	923.3	927.4
60°	836.2	844.5	800.1	821.5	814.9
62.5°	733.6	734.4	699.9	712.2	702.3
65°	625.1	619.4	589.8	598.8	589.0
67.5°	523.3	510.1	482.2	486.3	477.3
70°	423.9	408.3	382.0	387.7	382.8
72.5°	335.2	322.8	299.8	307.2	312.2
75°	263.7	253.8	236.6	244.0	255.5
77.5°	218.5	206.2	207.8	202.9	211.1
80°	179.9	172.5	179.1	174.1	171.7
82.5°	133.9	141.3	143.8	146.2	133.9
85°	88.7	101.9	106.8	103.5	90.4
87.5°	43.5	55.0	56.7	55.9	46.8
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	22.2	19.8	21.2	20.1	21.6	22.0
	6H	20.4	21.8	20.8	22.1	22.5	20.1	21.5	20.5	21.9	22.2
	8H	20.5	21.9	20.9	22.2	22.6	20.3	21.6	20.7	22.0	22.4
	12H	20.6	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	21.4	22.4	22.9
	8H	21.4	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	21.6	21.2	22.1	22.5
	6H	21.6	22.3	22.0	22.8	23.3	21.3	22.1	21.8	22.6	23.1
	8H	21.9	22.6	22.4	23.1	23.5	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	21.9	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)