

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: P1527260

Luminaire Tested: 22CGSB-30-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527260
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

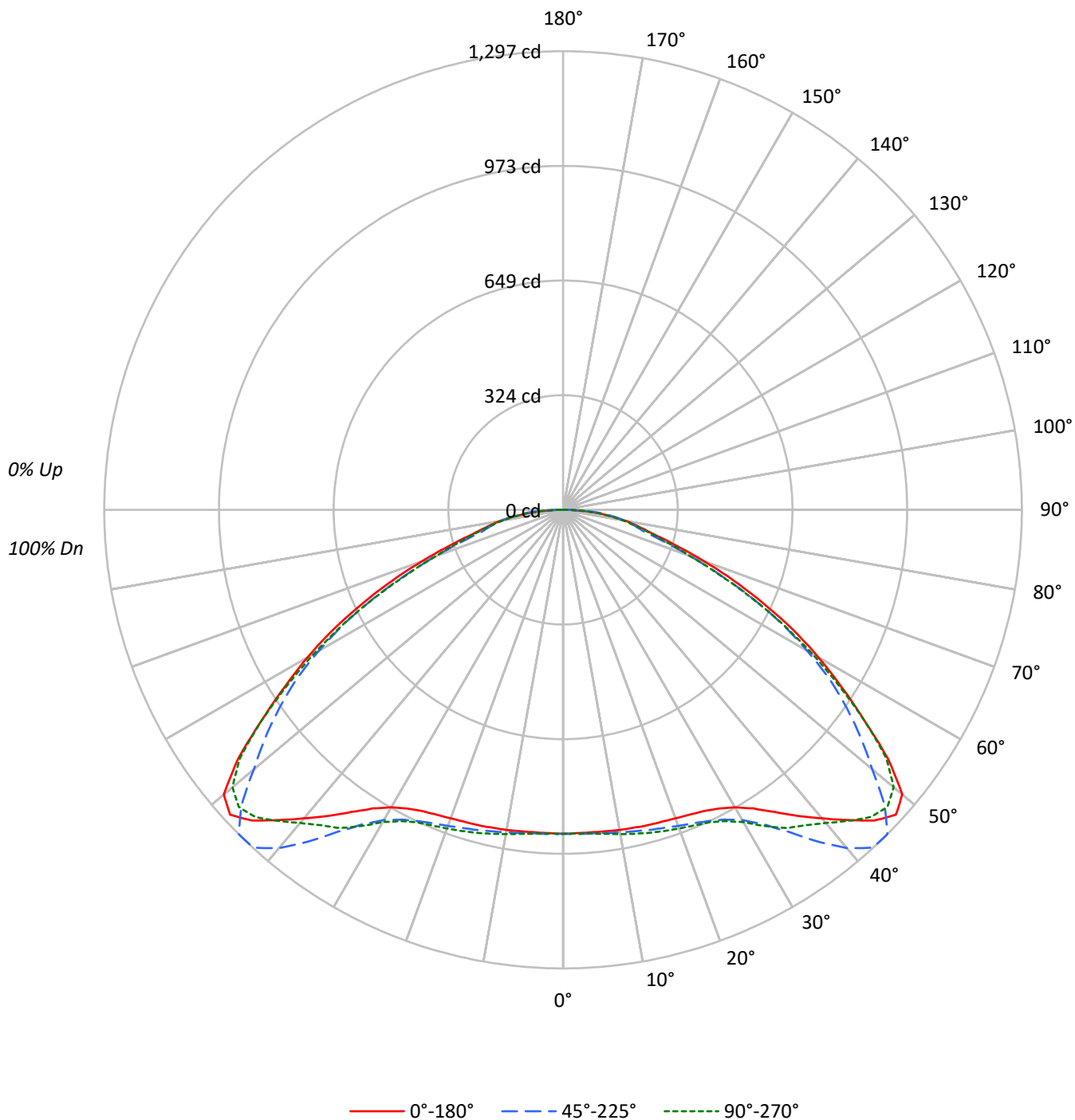
Lumens per Lamp: N/A
Luminaire Lumens: 4334.5 lumens
Efficiency: N/A
Efficacy: 174.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	2465	2465	2465
5°	2472	2481	2484
10°	2512	2530	2544
15°	2573	2612	2634
20°	2659	2724	2745
25°	2791	2883	2895
30°	3017	3147	3167
35°	3426	3652	3609
40°	4000	4386	4061
45°	4730	4935	4677
50°	5241	4775	5107
55°	4886	4598	4882
60°	4485	4292	4371
65°	3967	3743	3738
70°	3324	2995	3002
75°	2732	2452	2647
80°	2779	2766	2651
85°	2729	3285	2782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	2.0
10°-20°	265.7	6.1
20°-30°	449.2	10.4
30°-40°	690.6	15.9
40°-50°	959.8	22.1
50°-60°	903.5	20.8
60°-70°	596.7	13.8
70°-80°	277.3	6.4
80°-90°	103.8	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°	802.7	18.5
0°-40°	1493.4	34.5
0°-60°	3356.8	77.4
0°-90°	4334.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4334.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	915	918	919	920	919	88
15°	924	928	937	944	946	262
25°	940	952	971	977	975	437
35°	1043	1080	1112	1108	1099	660
45°	1243	1287	1297	1266	1229	951
55°	1041	1027	980	1014	1041	933
65°	623	617	588	597	587	619
75°	263	253	236	243	255	294
85°	88	102	106	103	90	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.1	916.1	916.1	916.1	916.1
2.5°	915.3	916.9	917.8	918.6	916.1
5°	915.3	917.8	918.6	920.2	919.4
7.5°	916.9	919.4	921.9	923.5	924.3
10°	919.4	921.9	926.0	930.9	930.9
12.5°	921.0	925.1	930.9	937.4	938.2
15°	923.5	927.6	937.4	944.0	945.6
17.5°	925.1	931.7	943.1	951.3	952.2
20°	928.4	935.8	951.3	958.7	958.7
22.5°	933.3	943.1	959.5	966.1	966.1
25°	939.9	952.2	971.0	976.7	975.1
27.5°	952.2	966.9	987.4	993.9	992.3
30°	971.0	990.6	1012.7	1020.9	1019.3
32.5°	1001.3	1025.8	1053.7	1061.0	1060.2
35°	1043.0	1079.9	1111.8	1107.7	1098.7
37.5°	1091.3	1146.2	1182.2	1143.7	1124.1
40°	1138.8	1213.3	1248.5	1186.3	1156.0
42.5°	1189.6	1265.7	1296.0	1235.4	1192.9
45°	1242.8	1287.0	1296.8	1265.7	1228.9
47.5°	1276.4	1253.4	1232.2	1251.0	1243.6
50°	1251.8	1174.8	1140.5	1176.5	1219.9
52.5°	1158.5	1102.0	1061.9	1095.4	1150.3
55°	1041.4	1026.7	980.0	1013.6	1040.6
57.5°	934.1	945.6	894.8	920.2	924.3
60°	833.4	841.6	797.4	818.7	812.2
62.5°	731.1	731.9	697.5	709.8	700.0
65°	623.0	617.3	587.8	596.8	587.0
67.5°	521.5	508.4	480.6	484.7	475.7
70°	422.5	406.9	380.7	386.4	381.5
72.5°	334.0	321.8	298.8	306.2	311.1
75°	262.8	253.0	235.8	243.2	254.6
77.5°	217.8	205.5	207.1	202.2	210.4
80°	179.3	171.9	178.5	173.6	171.1
82.5°	133.4	140.8	143.3	145.7	133.4
85°	88.4	101.5	106.4	103.2	90.1
87.5°	43.4	54.9	56.5	55.7	46.7
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	20.7	18.2	19.9	18.6	20.3	20.6
	3H	19.6	21.2	20.0	21.5	21.9	19.4	20.9	19.7	21.3	21.6
	4H	20.0	21.5	20.4	21.9	22.2	19.7	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	21.8	22.2
	8H	20.5	21.8	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	22.0	22.5
4H	2H	18.8	20.3	19.2	20.6	21.0	18.7	20.2	19.1	20.5	20.9
	3H	20.2	21.5	20.7	21.9	22.3	20.0	21.3	20.4	21.7	22.1
	4H	20.7	21.9	21.2	22.3	22.7	20.5	21.6	20.9	22.0	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	22.1	21.7	22.6	23.1
	12H	21.6	22.5	22.1	22.9	23.4	21.4	22.3	21.9	22.7	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	21.5	22.3	22.0	22.8	23.3	21.3	22.1	21.8	22.6	23.1
	8H	21.8	22.6	22.4	23.1	23.5	21.7	22.4	22.2	22.9	23.4
	12H	22.1	22.8	22.6	23.3	23.8	22.0	22.6	22.5	23.1	23.7
12H	4H	21.0	21.8	21.4	22.3	22.7	20.7	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	22.4	22.3	22.9	23.5













(END OF REPORT)