

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: P1527259

Luminaire Tested: 22CGSB-30-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527259
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

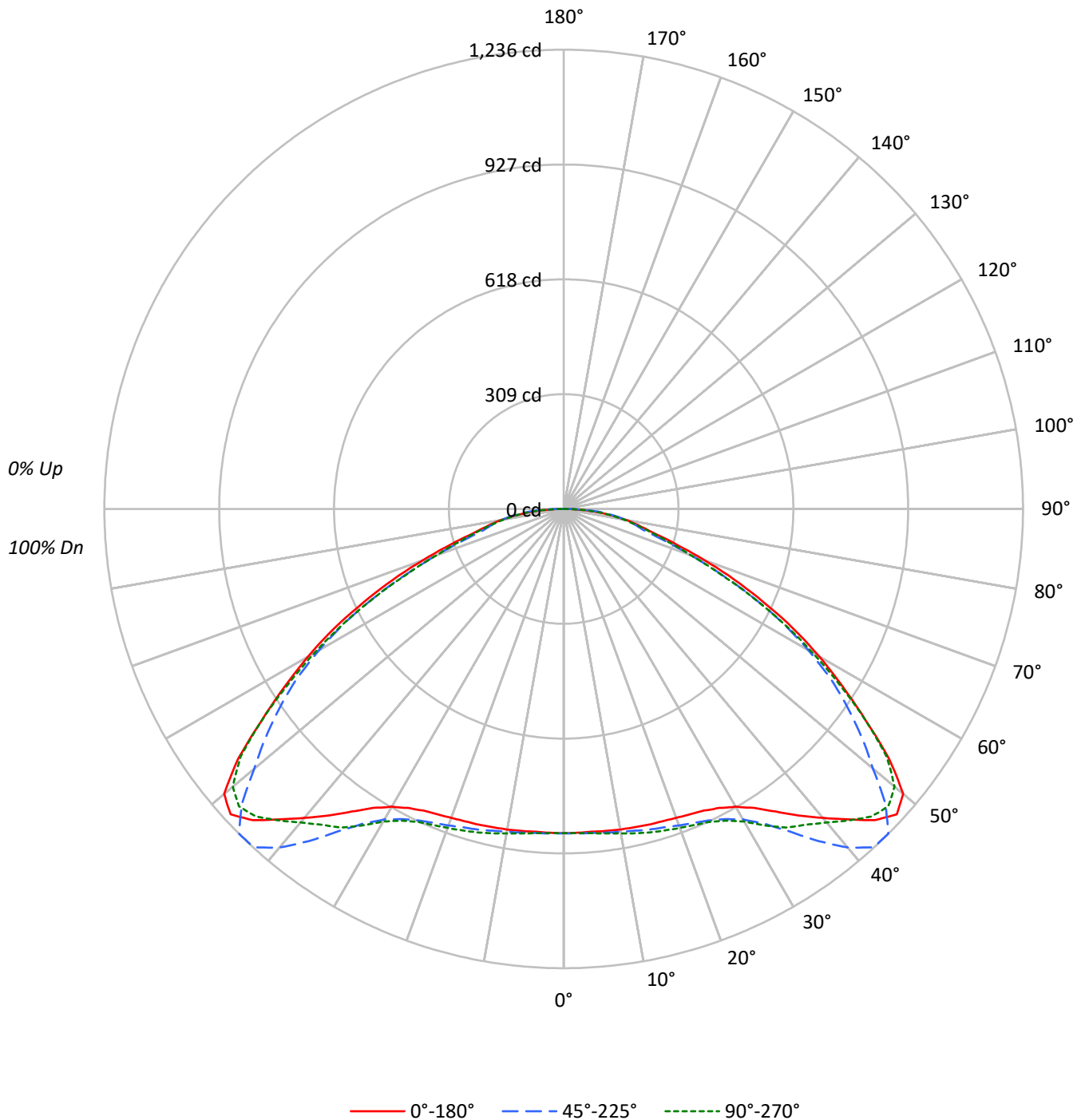
Lumens per Lamp: N/A
Luminaire Lumens: 4129.6 lumens
Efficiency: N/A
Efficacy: 165.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2349	2349	2349
5°	2355	2364	2366
10°	2393	2411	2423
15°	2451	2488	2510
20°	2533	2595	2616
25°	2659	2747	2758
30°	2875	2998	3017
35°	3264	3480	3438
40°	3811	4179	3869
45°	4506	4702	4456
50°	4993	4549	4865
55°	4655	4380	4651
60°	4273	4089	4164
65°	3780	3566	3561
70°	3167	2854	2860
75°	2603	2335	2522
80°	2647	2634	2526
85°	2600	3131	2649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	2.0
10°-20°	253.1	6.1
20°-30°	427.9	10.4
30°-40°	658.0	15.9
40°-50°	914.5	22.1
50°-60°	860.8	20.8
60°-70°	568.5	13.8
70°-80°	264.2	6.4
80°-90°	98.9	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°	764.8	18.5
0°-40°	1422.7	34.5
0°-60°	3198.0	77.4
0°-90°	4129.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4129.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	872	874	875	877	876	83
15°	880	884	893	899	901	249
25°	895	907	925	930	929	417
35°	994	1029	1059	1055	1047	629
45°	1184	1226	1236	1206	1171	906
55°	992	978	934	966	991	889
65°	594	588	560	569	559	589
75°	250	241	225	232	243	280
85°	84	97	101	98	86	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	872.8	872.8	872.8	872.8	872.8
2.5°	872.0	873.6	874.4	875.1	872.8
5°	872.0	874.4	875.1	876.7	875.9
7.5°	873.6	875.9	878.3	879.8	880.6
10°	875.9	878.3	882.2	886.8	886.8
12.5°	877.5	881.4	886.8	893.1	893.9
15°	879.8	883.7	893.1	899.3	900.9
17.5°	881.4	887.6	898.5	906.3	907.1
20°	884.5	891.5	906.3	913.4	913.4
22.5°	889.2	898.5	914.1	920.4	920.4
25°	895.4	907.1	925.1	930.5	929.0
27.5°	907.1	921.2	940.7	946.9	945.3
30°	925.1	943.8	964.8	972.6	971.1
32.5°	953.9	977.3	1003.8	1010.9	1010.1
35°	993.7	1028.8	1059.2	1055.3	1046.7
37.5°	1039.7	1092.0	1126.3	1089.6	1070.9
40°	1085.0	1155.9	1189.5	1130.2	1101.3
42.5°	1133.3	1205.9	1234.7	1177.0	1136.4
45°	1184.0	1226.1	1235.5	1205.9	1170.8
47.5°	1216.0	1194.2	1173.9	1191.8	1184.8
50°	1192.6	1119.3	1086.5	1120.8	1162.2
52.5°	1103.7	1049.9	1011.6	1043.6	1095.9
55°	992.1	978.1	933.6	965.6	991.4
57.5°	890.0	900.9	852.5	876.7	880.6
60°	794.0	801.8	759.7	780.0	773.7
62.5°	696.5	697.3	664.6	676.3	666.9
65°	593.6	588.1	560.0	568.6	559.3
67.5°	496.9	484.4	457.9	461.8	453.2
70°	402.5	387.7	362.7	368.2	363.5
72.5°	318.2	306.5	284.7	291.7	296.4
75°	250.4	241.0	224.6	231.7	242.6
77.5°	207.5	195.8	197.3	192.7	200.5
80°	170.8	163.8	170.0	165.4	163.0
82.5°	127.1	134.2	136.5	138.8	127.1
85°	84.2	96.7	101.4	98.3	85.8
87.5°	41.3	52.3	53.8	53.0	44.5
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	18.2	19.9	18.6	20.3	20.6	18.0	19.8	18.4	20.1	20.4
	3H	19.5	21.1	19.8	21.4	21.7	19.2	20.8	19.6	21.1	21.5
	4H	19.9	21.4	20.3	21.7	22.1	19.6	21.1	20.0	21.4	21.8
	6H	20.2	21.6	20.6	22.0	22.3	19.9	21.3	20.3	21.7	22.1
	8H	20.3	21.7	20.8	22.1	22.5	20.1	21.4	20.5	21.8	22.2
	12H	20.5	21.7	20.9	22.1	22.6	20.2	21.5	20.6	21.9	22.3
4H	2H	18.6	20.1	19.0	20.5	20.9	18.5	20.0	18.9	20.3	20.7
	3H	20.1	21.3	20.5	21.7	22.1	19.8	21.1	20.2	21.5	21.9
	4H	20.6	21.7	21.0	22.1	22.6	20.3	21.5	20.8	21.9	22.3
	6H	21.1	22.0	21.5	22.5	22.9	20.8	21.8	21.3	22.3	22.7
	8H	21.3	22.2	21.7	22.6	23.1	21.0	22.0	21.5	22.4	22.9
	12H	21.5	22.3	21.9	22.8	23.2	21.3	22.1	21.7	22.6	23.0
8H	4H	20.8	21.7	21.2	22.1	22.6	20.5	21.5	21.0	21.9	22.4
	6H	21.4	22.2	21.9	22.6	23.1	21.2	21.9	21.7	22.4	22.9
	8H	21.7	22.4	22.2	22.9	23.4	21.5	22.2	22.0	22.7	23.2
	12H	22.0	22.6	22.5	23.1	23.6	21.8	22.5	22.3	22.9	23.5
12H	4H	20.8	21.6	21.3	22.1	22.6	20.6	21.4	21.0	21.9	22.4
	6H	21.4	22.2	22.0	22.6	23.1	21.3	22.0	21.8	22.4	22.9
	8H	21.8	22.4	22.3	22.9	23.5	21.6	22.3	22.2	22.8	23.3















(END OF REPORT)