

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: P1527263

Luminaire Tested: 22CGSB-30-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527263
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

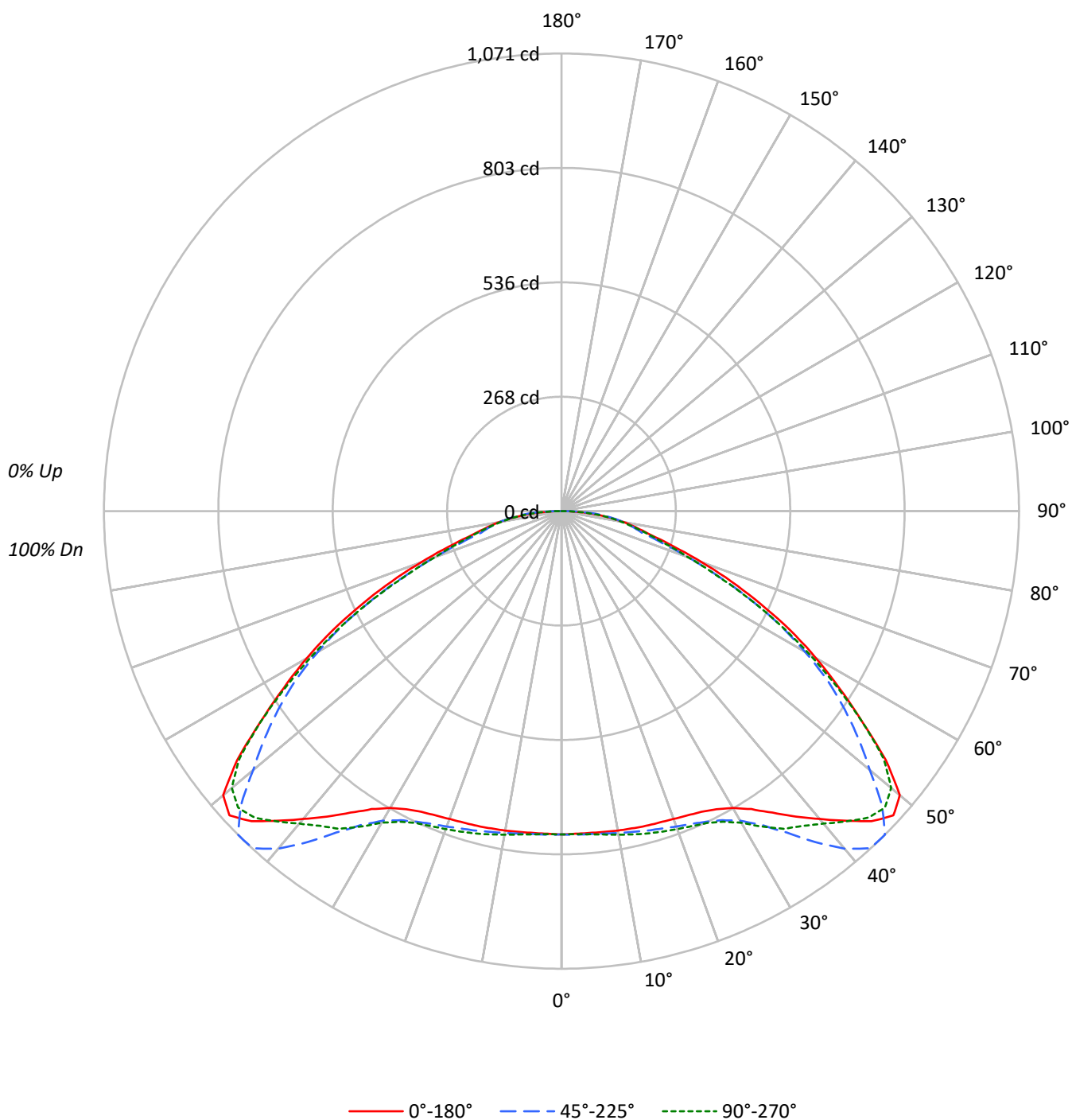
Lumens per Lamp: N/A
Luminaire Lumens: 3579.3 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	2036	2036	2036
5°	2042	2049	2051
10°	2075	2089	2100
15°	2125	2157	2175
20°	2196	2250	2267
25°	2304	2381	2391
30°	2491	2599	2615
35°	2829	3016	2981
40°	3303	3622	3353
45°	3906	4075	3862
50°	4328	3943	4217
55°	4034	3796	4031
60°	3704	3544	3610
65°	3276	3091	3086
70°	2744	2474	2478
75°	2256	2024	2187
80°	2295	2284	2190
85°	2254	2714	2297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	2.0
10°-20°	219.4	6.1
20°-30°	370.9	10.4
30°-40°	570.3	15.9
40°-50°	792.6	22.1
50°-60°	746.1	20.8
60°-70°	492.7	13.8
70°-80°	229.0	6.4
80°-90°	85.7	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°	662.9	18.5
0°-40°	1233.2	34.5
0°-60°	2771.9	77.4
0°-90°	3579.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3579.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	756	756	756	756	756	
5°	756	758	758	760	759	72
15°	763	766	774	780	781	216
25°	776	786	802	806	805	361
35°	861	892	918	915	907	545
45°	1026	1063	1071	1045	1015	785
55°	860	848	809	837	859	770
65°	514	510	485	493	485	511
75°	217	209	195	201	210	243
85°	73	84	88	85	74	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	756.5	756.5	756.5	756.5	756.5
2.5°	755.8	757.2	757.9	758.5	756.5
5°	755.8	757.9	758.5	759.9	759.2
7.5°	757.2	759.2	761.2	762.6	763.3
10°	759.2	761.2	764.6	768.7	768.7
12.5°	760.6	763.9	768.7	774.1	774.8
15°	762.6	766.0	774.1	779.5	780.8
17.5°	763.9	769.4	778.8	785.6	786.3
20°	766.7	772.7	785.6	791.7	791.7
22.5°	770.7	778.8	792.3	797.7	797.7
25°	776.1	786.3	801.8	806.5	805.2
27.5°	786.3	798.4	815.3	820.7	819.4
30°	801.8	818.0	836.3	843.0	841.7
32.5°	826.8	847.1	870.1	876.2	875.5
35°	861.3	891.7	918.1	914.7	907.3
37.5°	901.2	946.5	976.2	944.5	928.2
40°	940.4	1001.9	1031.0	979.6	954.6
42.5°	982.3	1045.2	1070.2	1020.2	985.0
45°	1026.3	1062.8	1070.9	1045.2	1014.8
47.5°	1054.0	1035.0	1017.5	1033.0	1026.9
50°	1033.7	970.1	941.8	971.5	1007.3
52.5°	956.6	910.0	876.8	904.6	949.9
55°	859.9	847.8	809.2	837.0	859.3
57.5°	771.4	780.8	738.9	759.9	763.3
60°	688.2	695.0	658.5	676.1	670.7
62.5°	603.7	604.4	576.0	586.1	578.0
65°	514.5	509.7	485.4	492.8	484.7
67.5°	430.6	419.8	396.8	400.2	392.8
70°	348.8	336.0	314.4	319.1	315.0
72.5°	275.8	265.7	246.8	252.8	256.9
75°	217.0	208.9	194.7	200.8	210.3
77.5°	179.8	169.7	171.0	167.0	173.7
80°	148.1	142.0	147.4	143.3	141.3
82.5°	110.2	116.3	118.3	120.3	110.2
85°	73.0	83.8	87.9	85.2	74.4
87.5°	35.8	45.3	46.6	46.0	38.5
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	17.7	19.4	18.1	19.8	20.1	17.5	19.3	17.9	19.6	19.9
	3H	19.0	20.6	19.3	20.9	21.2	18.7	20.3	19.1	20.6	21.0
	4H	19.4	20.9	19.8	21.2	21.6	19.1	20.6	19.5	20.9	21.3
	6H	19.7	21.1	20.1	21.5	21.8	19.4	20.8	19.8	21.2	21.6
	8H	19.8	21.2	20.3	21.6	22.0	19.6	20.9	20.0	21.3	21.7
	12H	20.0	21.2	20.4	21.6	22.1	19.7	21.0	20.2	21.4	21.8
4H	2H	18.1	19.6	18.5	20.0	20.4	18.0	19.5	18.4	19.8	20.2
	3H	19.6	20.8	20.0	21.2	21.6	19.3	20.6	19.8	21.0	21.4
	4H	20.1	21.2	20.5	21.6	22.1	19.8	21.0	20.3	21.4	21.8
	6H	20.6	21.6	21.0	22.0	22.4	20.3	21.3	20.8	21.8	22.2
	8H	20.8	21.7	21.2	22.1	22.6	20.6	21.5	21.0	21.9	22.4
	12H	21.0	21.8	21.4	22.3	22.7	20.8	21.6	21.2	22.1	22.5
8H	4H	20.3	21.2	20.7	21.6	22.1	20.0	21.0	20.5	21.4	21.9
	6H	20.9	21.7	21.4	22.1	22.6	20.7	21.4	21.2	21.9	22.4
	8H	21.2	21.9	21.7	22.4	22.9	21.0	21.7	21.5	22.2	22.7
	12H	21.5	22.1	22.0	22.6	23.1	21.3	22.0	21.8	22.4	23.0
12H	4H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.6	21.4	21.9
	6H	21.0	21.7	21.5	22.1	22.6	20.8	21.5	21.3	21.9	22.5
	8H	21.3	21.9	21.8	22.4	23.0	21.2	21.8	21.7	22.3	22.8













(END OF REPORT)