

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: P1527310

Luminaire Tested: 22CGSB-70-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527310
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-70-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

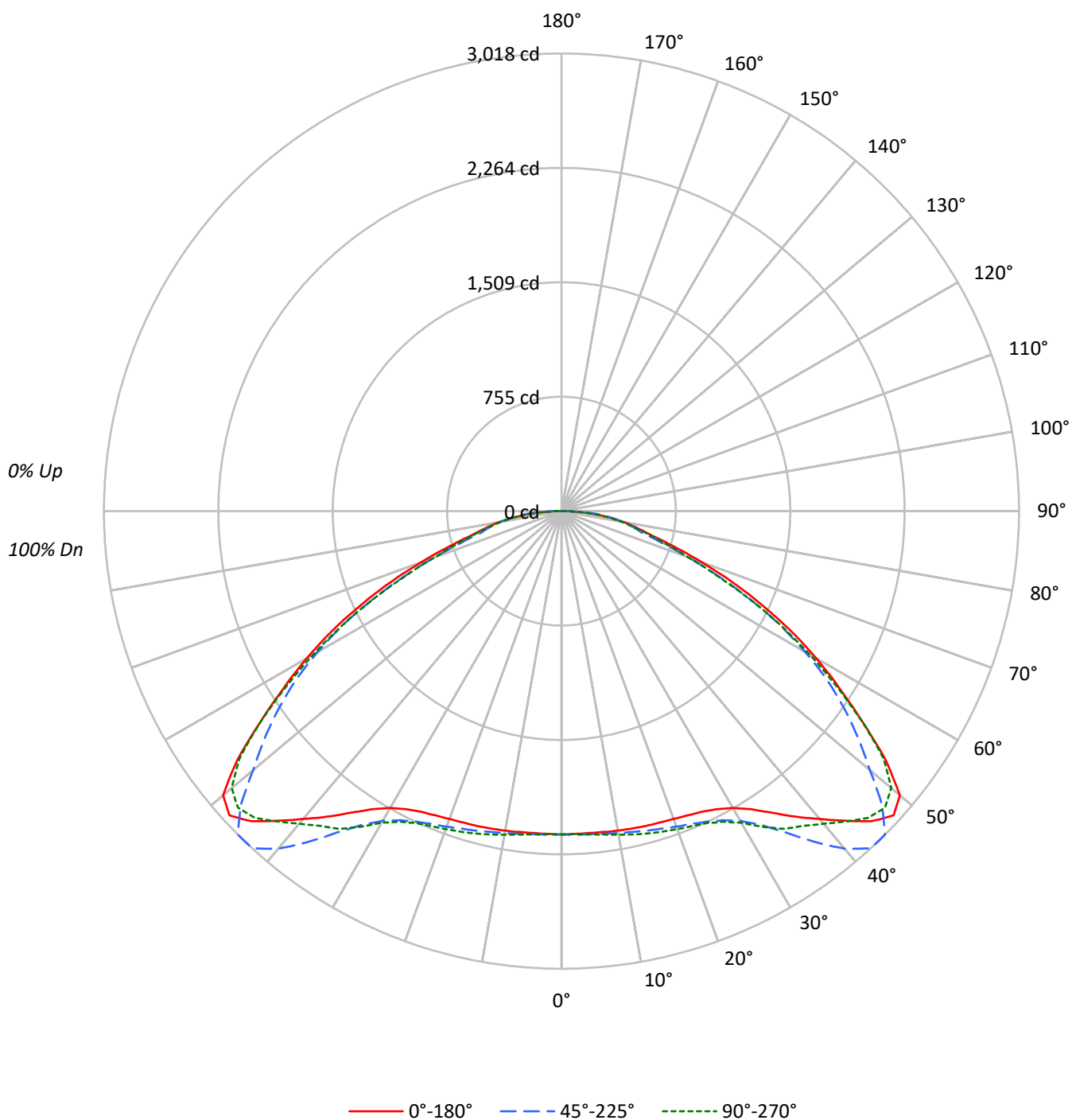
Lumens per Lamp: N/A
Luminaire Lumens: 10088.4 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	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°	5738	5738	5738
5°	5754	5775	5780
10°	5847	5889	5920
15°	5988	6078	6131
20°	6188	6341	6390
25°	6495	6710	6738
30°	7022	7324	7371
35°	7975	8501	8401
40°	9311	10208	9452
45°	11008	11486	10884
50°	12197	11112	11886
55°	11371	10701	11363
60°	10440	9988	10173
65°	9233	8711	8699
70°	7736	6972	6987
75°	6360	5706	6161
80°	6467	6437	6171
85°	6354	7648	6472

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 12197 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	2.0
10°-20°	618.3	6.1
20°-30°	1045.4	10.4
30°-40°	1607.4	15.9
40°-50°	2234.0	22.1
50°-60°	2102.9	20.8
60°-70°	1388.8	13.8
70°-80°	645.4	6.4
80°-90°	241.6	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°	1868.3	18.5
0°-40°	3475.8	34.5
0°-60°	7812.7	77.4
0°-90°	10088.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10088.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2132	2132	2132	2132	2132	
5°	2130	2136	2138	2142	2140	204
15°	2149	2159	2182	2197	2201	610
25°	2188	2216	2260	2273	2269	1018
35°	2428	2513	2588	2578	2557	1537
45°	2892	2995	3018	2946	2860	2213
55°	2424	2390	2281	2359	2422	2172
65°	1450	1437	1368	1389	1366	1440
75°	612	589	549	566	593	684
85°	206	236	248	240	210	225
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2132.2	2132.2	2132.2	2132.2	2132.2
2.5°	2130.3	2134.2	2136.1	2138.0	2132.2
5°	2130.3	2136.1	2138.0	2141.8	2139.9
7.5°	2134.2	2139.9	2145.6	2149.4	2151.3
10°	2139.9	2145.6	2155.1	2166.5	2166.5
12.5°	2143.7	2153.2	2166.5	2181.8	2183.7
15°	2149.4	2158.9	2181.8	2197.0	2200.8
17.5°	2153.2	2168.5	2195.1	2214.2	2216.1
20°	2160.8	2178.0	2214.2	2231.3	2231.3
22.5°	2172.3	2195.1	2233.2	2248.5	2248.5
25°	2187.5	2216.1	2259.9	2273.3	2269.4
27.5°	2216.1	2250.4	2298.0	2313.3	2309.5
30°	2259.9	2305.6	2357.1	2376.1	2372.3
32.5°	2330.4	2387.6	2452.4	2469.5	2467.6
35°	2427.6	2513.3	2587.7	2578.1	2557.2
37.5°	2540.0	2667.7	2751.5	2662.0	2616.2
40°	2650.5	2823.9	2905.9	2761.1	2690.6
42.5°	2768.7	2945.9	3016.4	2875.4	2776.3
45°	2892.5	2995.4	3018.3	2945.9	2860.1
47.5°	2970.7	2917.3	2867.8	2911.6	2894.4
50°	2913.5	2734.4	2654.4	2738.2	2839.2
52.5°	2696.3	2564.8	2471.4	2549.5	2677.2
55°	2423.8	2389.5	2280.9	2359.0	2421.9
57.5°	2174.2	2200.8	2082.7	2141.8	2151.3
60°	1939.8	1958.8	1855.9	1905.5	1890.2
62.5°	1701.6	1703.5	1623.5	1652.1	1629.2
65°	1450.1	1436.7	1368.1	1389.1	1366.2
67.5°	1213.8	1183.3	1118.5	1128.1	1107.1
70°	983.2	947.0	886.1	899.4	888.0
72.5°	777.4	748.9	695.5	712.7	724.1
75°	611.7	588.8	548.8	565.9	592.6
77.5°	506.9	478.3	482.1	470.7	489.7
80°	417.3	400.2	415.4	404.0	398.2
82.5°	310.6	327.7	333.5	339.2	310.6
85°	205.8	236.3	247.7	240.1	209.6
87.5°	101.0	127.7	131.5	129.6	108.6
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	21.3	23.0	21.7	23.4	23.7	21.1	22.9	21.5	23.2	23.5
	3H	22.6	24.2	22.9	24.5	24.8	22.3	23.9	22.7	24.2	24.6
	4H	23.0	24.5	23.4	24.8	25.2	22.7	24.2	23.1	24.5	24.9
	6H	23.3	24.7	23.7	25.1	25.4	23.0	24.4	23.4	24.8	25.2
	8H	23.5	24.8	23.9	25.2	25.6	23.2	24.5	23.6	24.9	25.3
	12H	23.6	24.8	24.0	25.2	25.7	23.3	24.6	23.8	25.0	25.4
4H	2H	21.7	23.2	22.1	23.6	24.0	21.6	23.1	22.0	23.4	23.8
	3H	23.2	24.4	23.6	24.8	25.2	22.9	24.2	23.4	24.6	25.0
	4H	23.7	24.8	24.1	25.2	25.7	23.4	24.6	23.9	25.0	25.4
	6H	24.2	25.2	24.6	25.6	26.0	23.9	24.9	24.4	25.4	25.8
	8H	24.4	25.3	24.8	25.7	26.2	24.2	25.1	24.6	25.5	26.0
	12H	24.6	25.4	25.0	25.9	26.3	24.4	25.2	24.8	25.7	26.1
8H	4H	23.9	24.8	24.3	25.2	25.7	23.6	24.6	24.1	25.0	25.5
	6H	24.5	25.3	25.0	25.7	26.2	24.3	25.1	24.8	25.5	26.0
	8H	24.8	25.5	25.3	26.0	26.5	24.6	25.3	25.1	25.8	26.3
	12H	25.1	25.7	25.6	26.2	26.8	24.9	25.6	25.4	26.0	26.6
12H	4H	23.9	24.7	24.4	25.2	25.7	23.7	24.5	24.2	25.0	25.5
	6H	24.6	25.3	25.1	25.7	26.3	24.4	25.1	24.9	25.5	26.1
	8H	24.9	25.5	25.4	26.0	26.6	24.8	25.4	25.3	25.9	26.4













(END OF REPORT)