

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: P1527247

Luminaire Tested: 22CGSB-20-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527247
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-20-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

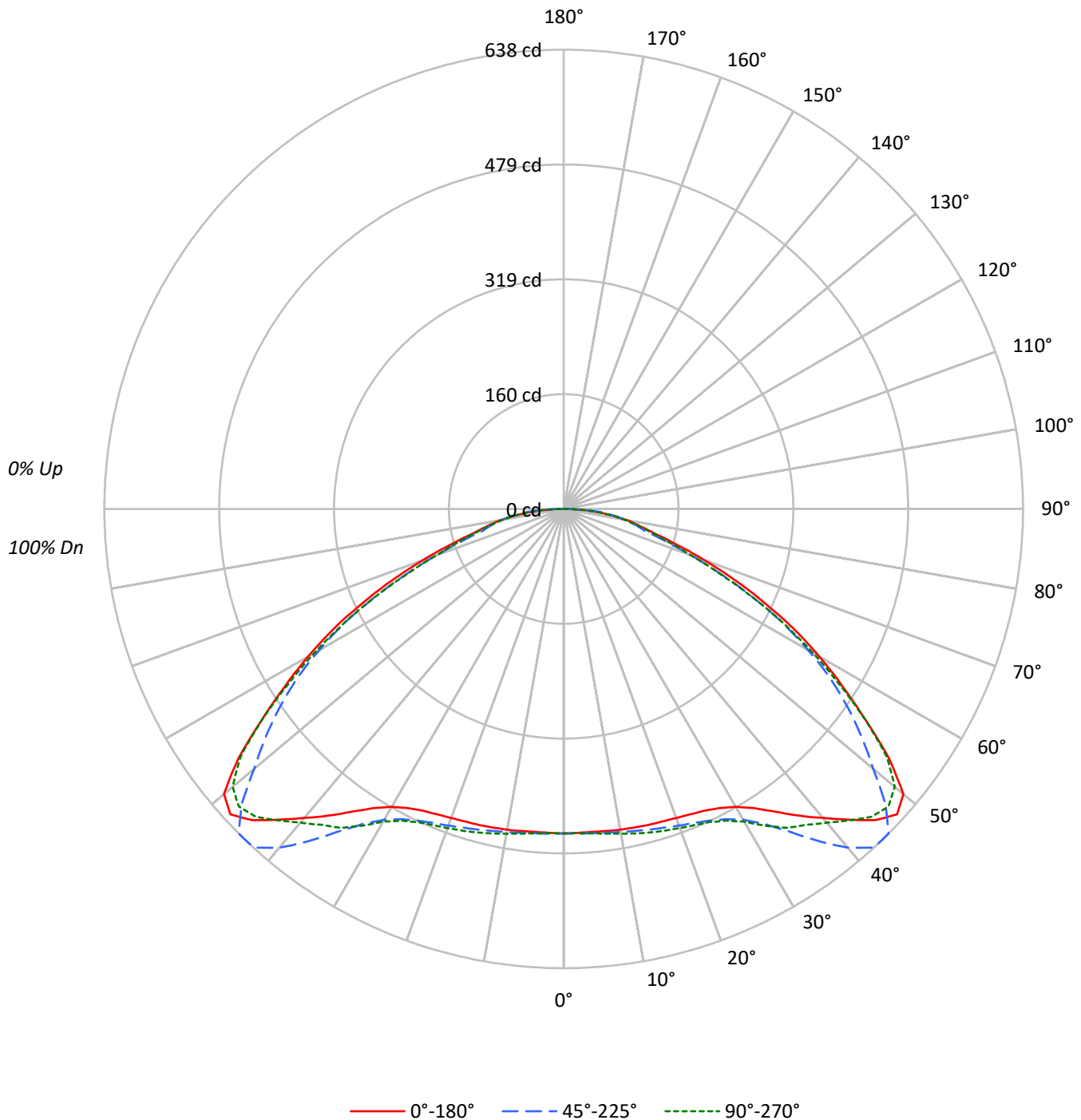
Lumens per Lamp: N/A
Luminaire Lumens: 2132.6 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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°	1213	1213	1213
5°	1216	1221	1222
10°	1236	1245	1251
15°	1266	1285	1296
20°	1308	1340	1351
25°	1373	1418	1425
30°	1484	1548	1558
35°	1686	1797	1776
40°	1968	2158	1998
45°	2327	2428	2301
50°	2578	2349	2513
55°	2404	2262	2402
60°	2207	2111	2151
65°	1952	1841	1839
70°	1636	1474	1477
75°	1344	1206	1303
80°	1367	1361	1305
85°	1343	1618	1368

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	2.0
10°-20°	130.7	6.1
20°-30°	221.0	10.4
30°-40°	339.8	15.9
40°-50°	472.3	22.1
50°-60°	444.6	20.8
60°-70°	293.6	13.8
70°-80°	136.4	6.4
80°-90°	51.1	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°	395.0	18.5
0°-40°	734.8	34.5
0°-60°	1651.6	77.4
0°-90°	2132.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	451	451	451	451	451	
5°	450	452	452	453	452	43
15°	454	456	461	464	465	129
25°	462	468	478	481	480	215
35°	513	531	547	545	541	325
45°	612	633	638	623	605	468
55°	512	505	482	499	512	459
65°	306	304	289	294	289	304
75°	129	124	116	120	125	145
85°	44	50	52	51	44	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	450.7	450.7	450.7	450.7	450.7
2.5°	450.3	451.2	451.6	452.0	450.7
5°	450.3	451.6	452.0	452.8	452.4
7.5°	451.2	452.4	453.6	454.4	454.8
10°	452.4	453.6	455.6	458.0	458.0
12.5°	453.2	455.2	458.0	461.2	461.6
15°	454.4	456.4	461.2	464.4	465.2
17.5°	455.2	458.4	464.0	468.1	468.5
20°	456.8	460.4	468.1	471.7	471.7
22.5°	459.2	464.0	472.1	475.3	475.3
25°	462.4	468.5	477.7	480.6	479.8
27.5°	468.5	475.7	485.8	489.0	488.2
30°	477.7	487.4	498.3	502.3	501.5
32.5°	492.6	504.7	518.4	522.0	521.6
35°	513.2	531.3	547.0	545.0	540.6
37.5°	537.0	563.9	581.7	562.7	553.1
40°	560.3	597.0	614.3	583.7	568.8
42.5°	585.3	622.7	637.7	607.8	586.9
45°	611.5	633.2	638.1	622.7	604.6
47.5°	628.0	616.7	606.2	615.5	611.9
50°	615.9	578.0	561.1	578.8	600.2
52.5°	570.0	542.2	522.4	539.0	566.0
55°	512.4	505.1	482.2	498.7	512.0
57.5°	459.6	465.2	440.3	452.8	454.8
60°	410.1	414.1	392.3	402.8	399.6
62.5°	359.7	360.1	343.2	349.2	344.4
65°	306.5	303.7	289.2	293.7	288.8
67.5°	256.6	250.1	236.5	238.5	234.0
70°	207.9	200.2	187.3	190.1	187.7
72.5°	164.3	158.3	147.0	150.7	153.1
75°	129.3	124.5	116.0	119.6	125.3
77.5°	107.1	101.1	101.9	99.5	103.5
80°	88.2	84.6	87.8	85.4	84.2
82.5°	65.7	69.3	70.5	71.7	65.7
85°	43.5	49.9	52.4	50.8	44.3
87.5°	21.3	27.0	27.8	27.4	23.0
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	15.9	17.6	16.3	18.0	18.3	15.7	17.5	16.1	17.8	18.1
	3H	17.2	18.8	17.5	19.1	19.4	16.9	18.5	17.3	18.8	19.2
	4H	17.6	19.1	18.0	19.4	19.8	17.3	18.8	17.7	19.1	19.5
	6H	17.9	19.3	18.3	19.7	20.0	17.6	19.0	18.0	19.4	19.8
	8H	18.1	19.4	18.5	19.8	20.2	17.8	19.1	18.2	19.5	19.9
	12H	18.2	19.4	18.6	19.8	20.3	17.9	19.2	18.4	19.6	20.0
4H	2H	16.3	17.8	16.7	18.2	18.6	16.2	17.7	16.6	18.0	18.4
	3H	17.8	19.0	18.2	19.4	19.8	17.5	18.8	18.0	19.2	19.6
	4H	18.3	19.4	18.7	19.8	20.3	18.0	19.2	18.5	19.6	20.0
	6H	18.8	19.8	19.2	20.2	20.6	18.5	19.5	19.0	20.0	20.4
	8H	19.0	19.9	19.4	20.3	20.8	18.8	19.7	19.2	20.1	20.6
	12H	19.2	20.0	19.6	20.5	20.9	19.0	19.8	19.4	20.3	20.7
8H	4H	18.5	19.4	18.9	19.8	20.3	18.2	19.2	18.7	19.6	20.1
	6H	19.1	19.9	19.6	20.3	20.8	18.9	19.7	19.4	20.1	20.6
	8H	19.4	20.1	19.9	20.6	21.1	19.2	19.9	19.7	20.4	20.9
	12H	19.7	20.3	20.2	20.8	21.4	19.5	20.2	20.0	20.6	21.2
12H	4H	18.5	19.3	19.0	19.8	20.3	18.3	19.1	18.8	19.6	20.1
	6H	19.2	19.9	19.7	20.3	20.9	19.0	19.7	19.5	20.1	20.7
	8H	19.5	20.1	20.0	20.6	21.2	19.4	20.0	19.9	20.5	21.0















(END OF REPORT)