

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: P1527248

Luminaire Tested: 22CGSB-20-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527248
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

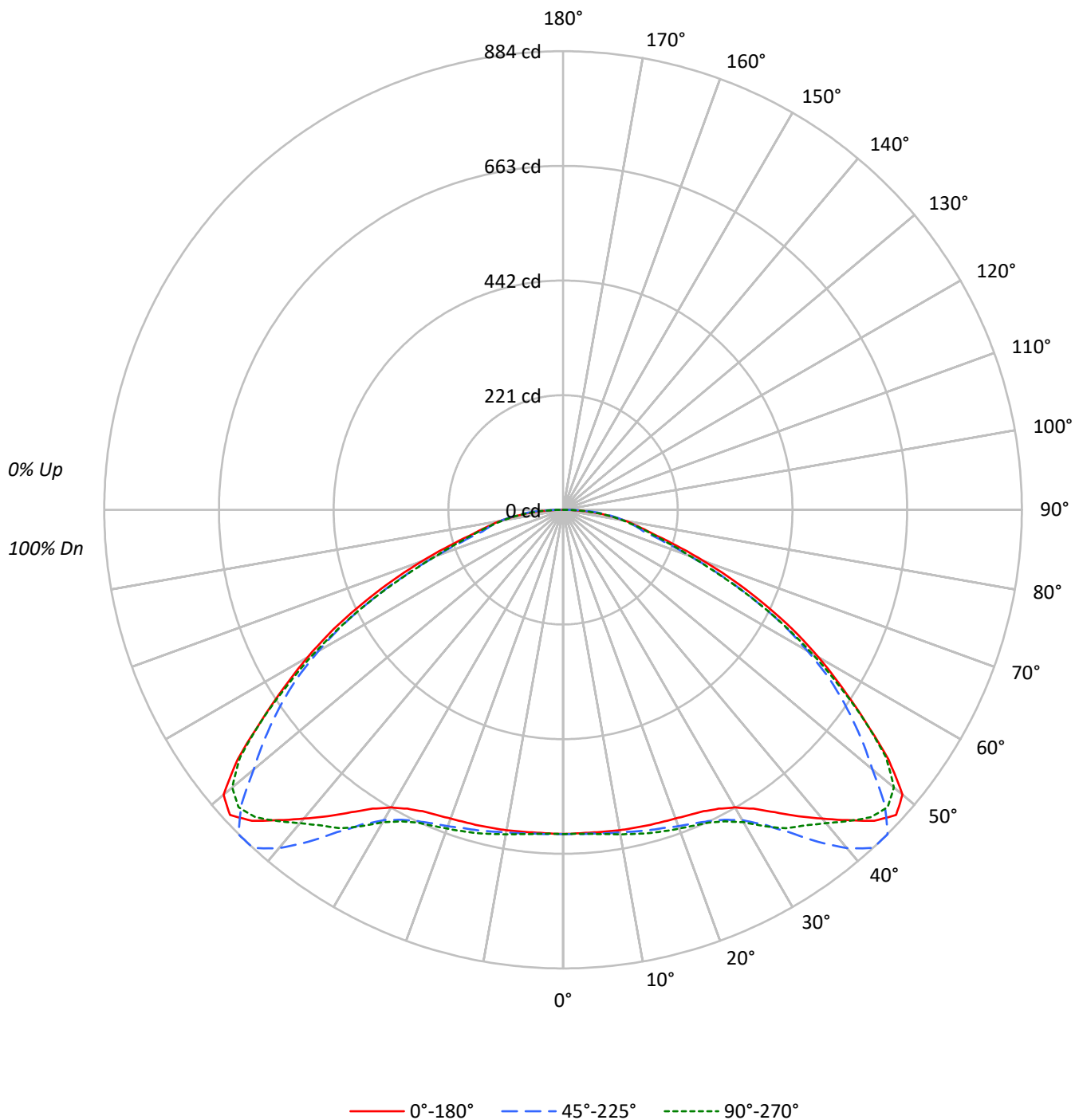
Lumens per Lamp: N/A
Luminaire Lumens: 2956.2 lumens
Efficiency: N/A
Efficacy: 174.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1681	1681	1681
5°	1686	1692	1694
10°	1713	1726	1735
15°	1755	1781	1797
20°	1813	1858	1872
25°	1903	1966	1974
30°	2058	2146	2160
35°	2337	2491	2462
40°	2728	2991	2770
45°	3226	3366	3189
50°	3574	3256	3483
55°	3332	3136	3330
60°	3059	2927	2981
65°	2706	2553	2549
70°	2267	2043	2047
75°	1863	1672	1806
80°	1895	1886	1808
85°	1862	2242	1896

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3574 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	2.0
10°-20°	181.2	6.1
20°-30°	306.3	10.4
30°-40°	471.0	15.9
40°-50°	654.6	22.1
50°-60°	616.2	20.8
60°-70°	407.0	13.8
70°-80°	189.1	6.4
80°-90°	70.8	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°	547.5	18.5
0°-40°	1018.5	34.5
0°-60°	2289.3	77.4
0°-90°	2956.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2956.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	624	626	626	628	627	60
15°	630	633	639	644	645	179
25°	641	649	662	666	665	298
35°	711	736	758	756	749	450
45°	848	878	884	863	838	649
55°	710	700	668	691	710	636
65°	425	421	401	407	400	422
75°	179	172	161	166	174	201
85°	60	69	73	70	61	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.8	624.8	624.8	624.8	624.8
2.5°	624.3	625.4	625.9	626.5	624.8
5°	624.3	625.9	626.5	627.6	627.0
7.5°	625.4	627.0	628.7	629.8	630.4
10°	627.0	628.7	631.5	634.9	634.9
12.5°	628.2	631.0	634.9	639.3	639.9
15°	629.8	632.6	639.3	643.8	644.9
17.5°	631.0	635.4	643.2	648.8	649.4
20°	633.2	638.2	648.8	653.8	653.8
22.5°	636.5	643.2	654.4	658.9	658.9
25°	641.0	649.4	662.2	666.1	665.0
27.5°	649.4	659.4	673.4	677.9	676.7
30°	662.2	675.6	690.7	696.3	695.2
32.5°	682.9	699.6	718.6	723.6	723.1
35°	711.4	736.5	758.3	755.5	749.3
37.5°	744.3	781.7	806.3	780.0	766.6
40°	776.7	827.5	851.5	809.1	788.4
42.5°	811.3	863.2	883.9	842.6	813.5
45°	847.6	877.7	884.4	863.2	838.1
47.5°	870.5	854.9	840.3	853.2	848.2
50°	853.7	801.3	777.8	802.4	832.0
52.5°	790.1	751.6	724.2	747.1	784.5
55°	710.2	700.2	668.4	691.3	709.7
57.5°	637.1	644.9	610.3	627.6	630.4
60°	568.4	574.0	543.8	558.4	553.9
62.5°	498.6	499.2	475.7	484.1	477.4
65°	424.9	421.0	400.9	407.0	400.3
67.5°	355.7	346.7	327.8	330.6	324.4
70°	288.1	277.5	259.6	263.5	260.2
72.5°	227.8	219.4	203.8	208.8	212.2
75°	179.2	172.5	160.8	165.8	173.7
77.5°	148.5	140.1	141.3	137.9	143.5
80°	122.3	117.3	121.7	118.4	116.7
82.5°	91.0	96.0	97.7	99.4	91.0
85°	60.3	69.2	72.6	70.4	61.4
87.5°	29.6	37.4	38.5	38.0	31.8
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	17.0	18.8	17.4	19.1	19.4	16.9	18.6	17.2	18.9	19.2
	3H	18.3	19.9	18.7	20.2	20.6	18.0	19.6	18.4	19.9	20.3
	4H	18.7	20.2	19.1	20.5	20.9	18.4	19.9	18.8	20.3	20.6
	6H	19.0	20.4	19.4	20.8	21.2	18.8	20.2	19.2	20.5	20.9
	8H	19.2	20.5	19.6	20.9	21.3	18.9	20.3	19.3	20.6	21.0
	12H	19.3	20.6	19.7	21.0	21.4	19.1	20.3	19.5	20.7	21.1
4H	2H	17.5	19.0	17.9	19.3	19.7	17.3	18.8	17.7	19.2	19.6
	3H	18.9	20.2	19.3	20.6	21.0	18.7	19.9	19.1	20.3	20.7
	4H	19.4	20.5	19.8	21.0	21.4	19.2	20.3	19.6	20.7	21.1
	6H	19.9	20.9	20.3	21.3	21.8	19.7	20.7	20.1	21.1	21.5
	8H	20.1	21.0	20.6	21.5	21.9	19.9	20.8	20.3	21.3	21.7
	12H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.6	21.4	21.9
8H	4H	19.6	20.5	20.1	21.0	21.4	19.4	20.3	19.8	20.7	21.2
	6H	20.2	21.0	20.7	21.5	21.9	20.0	20.8	20.5	21.3	21.7
	8H	20.5	21.2	21.0	21.7	22.2	20.3	21.0	20.8	21.5	22.0
	12H	20.8	21.4	21.3	21.9	22.5	20.7	21.3	21.2	21.8	22.3
12H	4H	19.6	20.5	20.1	20.9	21.4	19.4	20.2	19.9	20.7	21.2
	6H	20.3	21.0	20.8	21.4	22.0	20.1	20.8	20.6	21.3	21.8
	8H	20.7	21.3	21.2	21.8	22.3	20.5	21.1	21.0	21.6	22.2













(END OF REPORT)