

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: P1527312

Luminaire Tested: 22CGSB-70-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527312
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

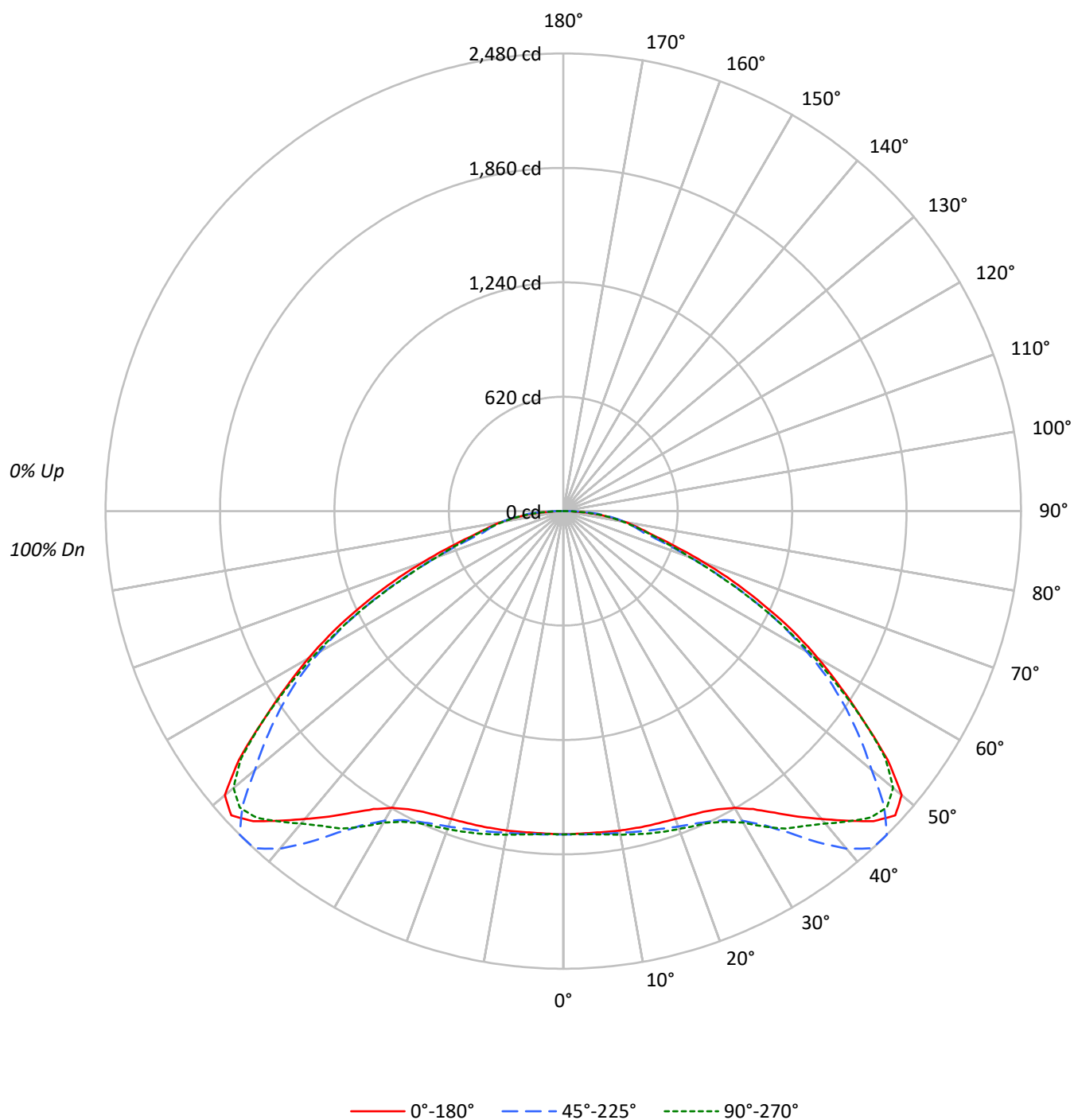
Lumens per Lamp: N/A
Luminaire Lumens: 8287.3 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		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°	4714	4714	4714
5°	4727	4744	4748
10°	4803	4838	4863
15°	4919	4993	5037
20°	5083	5209	5249
25°	5336	5512	5535
30°	5769	6017	6055
35°	6551	6983	6901
40°	7648	8385	7764
45°	9043	9436	8941
50°	10020	9128	9764
55°	9341	8791	9334
60°	8576	8205	8357
65°	7585	7156	7146
70°	6355	5727	5739
75°	5225	4687	5061
80°	5312	5287	5071
85°	5221	6283	5317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	2.0
10°-20°	507.9	6.1
20°-30°	858.8	10.4
30°-40°	1320.5	15.9
40°-50°	1835.2	22.1
50°-60°	1727.5	20.8
60°-70°	1140.9	13.8
70°-80°	530.2	6.4
80°-90°	198.4	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°	1534.8	18.5
0°-40°	2855.3	34.5
0°-60°	6417.9	77.4
0°-90°	8287.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8287.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1752	1752	1752	1752	1752	
5°	1750	1755	1756	1759	1758	167
15°	1766	1774	1792	1805	1808	501
25°	1797	1820	1856	1867	1864	836
35°	1994	2065	2126	2118	2101	1262
45°	2376	2461	2480	2420	2350	1818
55°	1991	1963	1874	1938	1990	1784
65°	1191	1180	1124	1141	1122	1183
75°	502	484	451	465	487	562
85°	169	194	204	197	172	185
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1750.0	1753.1	1754.7	1756.3	1751.6
5°	1750.0	1754.7	1756.3	1759.4	1757.8
7.5°	1753.1	1757.8	1762.5	1765.7	1767.2
10°	1757.8	1762.5	1770.4	1779.8	1779.8
12.5°	1761.0	1768.8	1779.8	1792.3	1793.8
15°	1765.7	1773.5	1792.3	1804.8	1807.9
17.5°	1768.8	1781.3	1803.2	1818.9	1820.5
20°	1775.1	1789.2	1818.9	1833.0	1833.0
22.5°	1784.5	1803.2	1834.5	1847.1	1847.1
25°	1797.0	1820.5	1856.5	1867.4	1864.3
27.5°	1820.5	1848.6	1887.8	1900.3	1897.2
30°	1856.5	1894.0	1936.3	1951.9	1948.8
32.5°	1914.4	1961.3	2014.6	2028.6	2027.1
35°	1994.2	2064.6	2125.7	2117.9	2100.6
37.5°	2086.6	2191.4	2260.3	2186.7	2149.2
40°	2177.3	2319.8	2387.1	2268.1	2210.2
42.5°	2274.4	2420.0	2477.9	2362.1	2280.7
45°	2376.1	2460.7	2479.5	2420.0	2349.5
47.5°	2440.3	2396.5	2355.8	2391.8	2377.7
50°	2393.4	2246.2	2180.5	2249.4	2332.3
52.5°	2214.9	2106.9	2030.2	2094.4	2199.3
55°	1991.1	1962.9	1873.7	1937.9	1989.5
57.5°	1786.0	1807.9	1710.9	1759.4	1767.2
60°	1593.5	1609.1	1524.6	1565.3	1552.8
62.5°	1397.8	1399.4	1333.6	1357.1	1338.3
65°	1191.2	1180.2	1123.9	1141.1	1122.3
67.5°	997.1	972.1	918.8	926.7	909.4
70°	807.7	778.0	727.9	738.8	729.4
72.5°	638.6	615.2	571.3	585.4	594.8
75°	502.5	483.7	450.8	464.9	486.8
77.5°	416.4	392.9	396.0	386.6	402.3
80°	342.8	328.7	341.2	331.8	327.2
82.5°	255.1	269.2	273.9	278.6	255.1
85°	169.1	194.1	203.5	197.2	172.2
87.5°	83.0	104.9	108.0	106.4	89.2
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	20.6	22.4	21.0	22.7	23.0	20.4	22.2	20.8	22.5	22.8
	3H	21.9	23.5	22.3	23.8	24.2	21.6	23.2	22.0	23.5	23.9
	4H	22.3	23.8	22.7	24.1	24.5	22.0	23.5	22.4	23.8	24.2
	6H	22.6	24.0	23.0	24.4	24.8	22.3	23.7	22.8	24.1	24.5
	8H	22.8	24.1	23.2	24.5	24.9	22.5	23.8	22.9	24.2	24.6
	12H	22.9	24.2	23.3	24.5	25.0	22.6	23.9	23.1	24.3	24.7
4H	2H	21.1	22.6	21.5	22.9	23.3	20.9	22.4	21.3	22.8	23.1
	3H	22.5	23.8	22.9	24.2	24.5	22.3	23.5	22.7	23.9	24.3
	4H	23.0	24.1	23.4	24.5	25.0	22.7	23.9	23.2	24.3	24.7
	6H	23.5	24.5	23.9	24.9	25.4	23.2	24.2	23.7	24.7	25.1
	8H	23.7	24.6	24.1	25.1	25.5	23.5	24.4	23.9	24.8	25.3
	12H	23.9	24.7	24.4	25.2	25.7	23.7	24.5	24.2	25.0	25.5
8H	4H	23.2	24.1	23.6	24.6	25.0	23.0	23.9	23.4	24.3	24.8
	6H	23.8	24.6	24.3	25.1	25.5	23.6	24.4	24.1	24.9	25.3
	8H	24.1	24.8	24.6	25.3	25.8	23.9	24.6	24.4	25.1	25.6
	12H	24.4	25.0	24.9	25.5	26.1	24.2	24.9	24.8	25.4	25.9
12H	4H	23.2	24.1	23.7	24.5	25.0	23.0	23.8	23.5	24.3	24.8
	6H	23.9	24.6	24.4	25.0	25.6	23.7	24.4	24.2	24.8	25.4
	8H	24.2	24.9	24.7	25.3	25.9	24.1	24.7	24.6	25.2	25.7















(END OF REPORT)