

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: P1527315

Luminaire Tested: 22CGSB-80-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527315
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-80-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

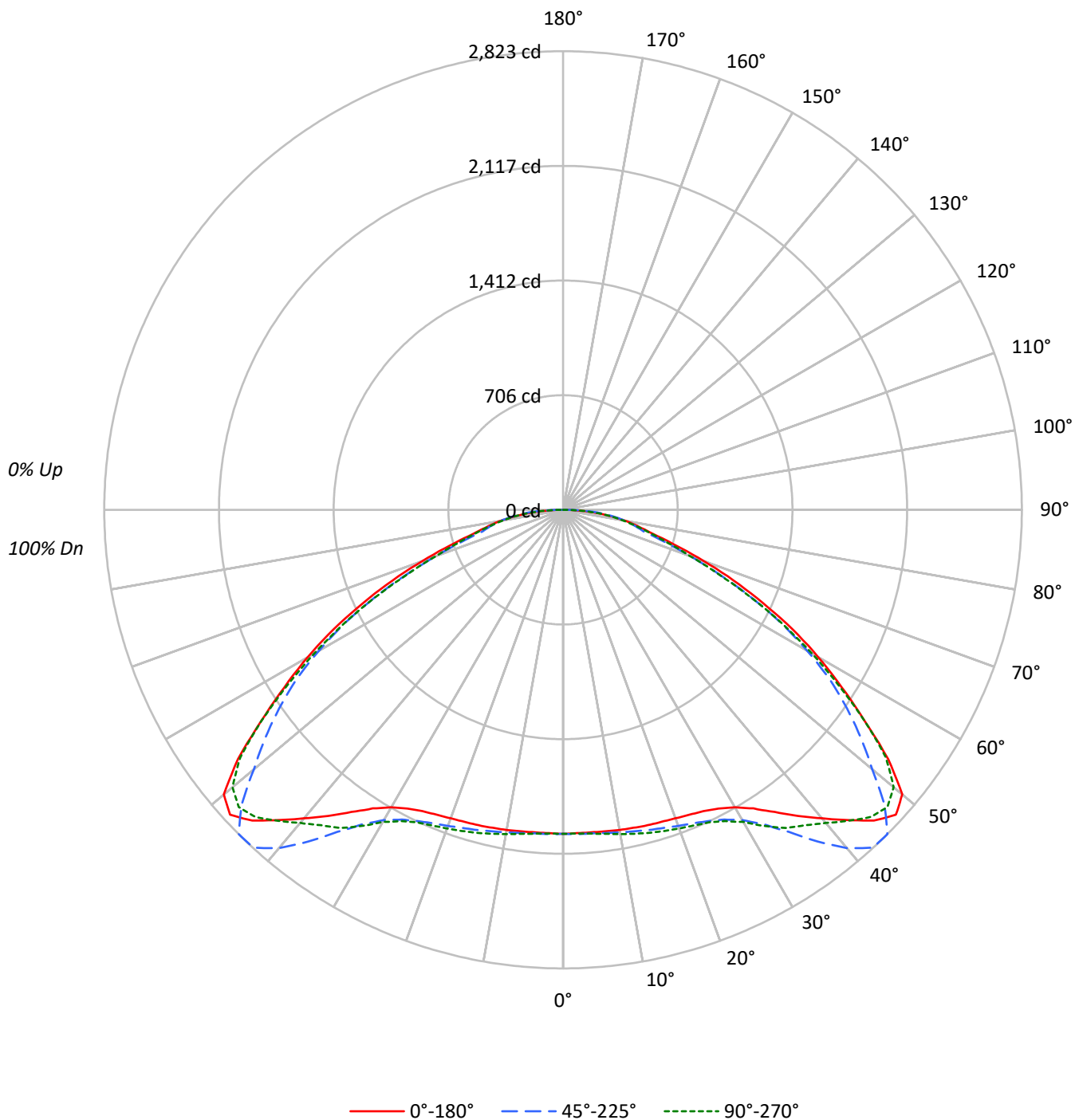
Lumens per Lamp: N/A
Luminaire Lumens: 9434.3 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 72.6
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

TEST NUMBER: P1527315

CATALOG NUMBER: 22CGSB-80-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1527315

CATALOG NUMBER: 22CGSB-80-A125-L830

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°	5366	5366	5366
5°	5381	5401	5405
10°	5468	5507	5536
15°	5600	5684	5734
20°	5787	5930	5976
25°	6074	6275	6301
30°	6567	6849	6893
35°	7458	7950	7856
40°	8707	9546	8839
45°	10294	10742	10179
50°	11406	10392	11115
55°	10634	10007	10626
60°	9763	9341	9514
65°	8635	8146	8136
70°	7235	6519	6534
75°	5947	5336	5762
80°	6047	6020	5771
85°	5944	7154	6052

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11406 cd/sqm

TEST NUMBER: P1527315

CATALOG NUMBER: 22CGSB-80-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	2.0
10°-20°	578.2	6.1
20°-30°	977.6	10.4
30°-40°	1503.2	15.9
40°-50°	2089.1	22.1
50°-60°	1966.6	20.8
60°-70°	1298.8	13.8
70°-80°	603.5	6.4
80°-90°	225.9	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°	1747.2	18.5
0°-40°	3250.4	34.5
0°-60°	7306.1	77.4
0°-90°	9434.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9434.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1994	1994	1994	1994	1994	
5°	1992	1998	1999	2003	2001	190
15°	2010	2019	2040	2055	2058	570
25°	2046	2072	2113	2126	2122	952
35°	2270	2350	2420	2411	2391	1437
45°	2705	2801	2823	2755	2675	2070
55°	2267	2235	2133	2206	2265	2031
65°	1356	1344	1279	1299	1278	1347
75°	572	551	513	529	554	640
85°	192	221	232	224	196	210
90°	0	0	0	0	0	

TEST NUMBER: P1527315

CATALOG NUMBER: 22CGSB-80-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1992.2	1995.8	1997.6	1999.3	1994.0
5°	1992.2	1997.6	1999.3	2002.9	2001.1
7.5°	1995.8	2001.1	2006.5	2010.0	2011.8
10°	2001.1	2006.5	2015.4	2026.1	2026.1
12.5°	2004.7	2013.6	2026.1	2040.3	2042.1
15°	2010.0	2018.9	2040.3	2054.6	2058.1
17.5°	2013.6	2027.9	2052.8	2070.6	2072.4
20°	2020.7	2036.8	2070.6	2086.7	2086.7
22.5°	2031.4	2052.8	2088.4	2102.7	2102.7
25°	2045.7	2072.4	2113.4	2125.9	2122.3
27.5°	2072.4	2104.5	2149.0	2163.3	2159.7
30°	2113.4	2156.2	2204.3	2222.1	2218.5
32.5°	2179.3	2232.8	2293.4	2309.4	2307.6
35°	2270.2	2350.4	2419.9	2411.0	2391.4
37.5°	2375.3	2494.7	2573.1	2489.4	2446.6
40°	2478.7	2640.8	2717.5	2582.0	2516.1
42.5°	2589.2	2754.9	2820.8	2689.0	2596.3
45°	2705.0	2801.2	2822.6	2754.9	2674.7
47.5°	2778.1	2728.2	2681.8	2722.8	2706.8
50°	2724.6	2557.1	2482.3	2560.7	2655.1
52.5°	2521.5	2398.5	2311.2	2384.2	2503.6
55°	2266.6	2234.6	2133.0	2206.1	2264.9
57.5°	2033.2	2058.1	1947.7	2002.9	2011.8
60°	1814.0	1831.8	1735.6	1781.9	1767.7
62.5°	1591.3	1593.1	1518.2	1544.9	1523.6
65°	1356.1	1343.6	1279.4	1299.0	1277.7
67.5°	1135.1	1106.6	1046.0	1054.9	1035.3
70°	919.5	885.6	828.6	841.1	830.4
72.5°	727.0	700.3	650.4	666.4	677.1
75°	572.0	550.6	513.2	529.2	554.2
77.5°	474.0	447.3	450.8	440.1	458.0
80°	390.2	374.2	388.5	377.8	372.4
82.5°	290.5	306.5	311.8	317.2	290.5
85°	192.5	221.0	231.7	224.5	196.0
87.5°	94.4	119.4	123.0	121.2	101.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527315

CATALOG NUMBER: 22CGSB-80-A125-L830

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	21.1	22.8	21.4	23.1	23.4	20.9	22.6	21.3	23.0	23.3
	3H	22.3	23.9	22.7	24.2	24.6	22.1	23.6	22.4	24.0	24.3
	4H	22.7	24.2	23.1	24.6	24.9	22.4	23.9	22.8	24.3	24.7
	6H	23.1	24.5	23.5	24.8	25.2	22.8	24.2	23.2	24.5	24.9
	8H	23.2	24.5	23.6	24.9	25.3	23.0	24.3	23.4	24.7	25.1
	12H	23.3	24.6	23.8	25.0	25.4	23.1	24.4	23.5	24.7	25.2
4H	2H	21.5	23.0	21.9	23.4	23.7	21.4	22.9	21.8	23.2	23.6
	3H	23.0	24.2	23.4	24.6	25.0	22.7	24.0	23.1	24.4	24.8
	4H	23.4	24.6	23.9	25.0	25.4	23.2	24.3	23.6	24.7	25.2
	6H	23.9	24.9	24.4	25.4	25.8	23.7	24.7	24.1	25.1	25.6
	8H	24.1	25.1	24.6	25.5	26.0	23.9	24.9	24.4	25.3	25.8
	12H	24.3	25.2	24.8	25.6	26.1	24.1	25.0	24.6	25.4	25.9
8H	4H	23.6	24.6	24.1	25.0	25.5	23.4	24.3	23.9	24.8	25.2
	6H	24.2	25.0	24.7	25.5	26.0	24.0	24.8	24.5	25.3	25.8
	8H	24.6	25.3	25.1	25.8	26.2	24.4	25.1	24.9	25.6	26.1
	12H	24.8	25.5	25.4	26.0	26.5	24.7	25.3	25.2	25.8	26.4
12H	4H	23.7	24.5	24.1	25.0	25.4	23.4	24.3	23.9	24.8	25.2
	6H	24.3	25.0	24.8	25.5	26.0	24.1	24.8	24.6	25.3	25.8
	8H	24.7	25.3	25.2	25.8	26.4	24.5	25.1	25.0	25.6	26.2













(END OF REPORT)