

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: P1527320

Luminaire Tested: 22CGSB-80-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527320
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

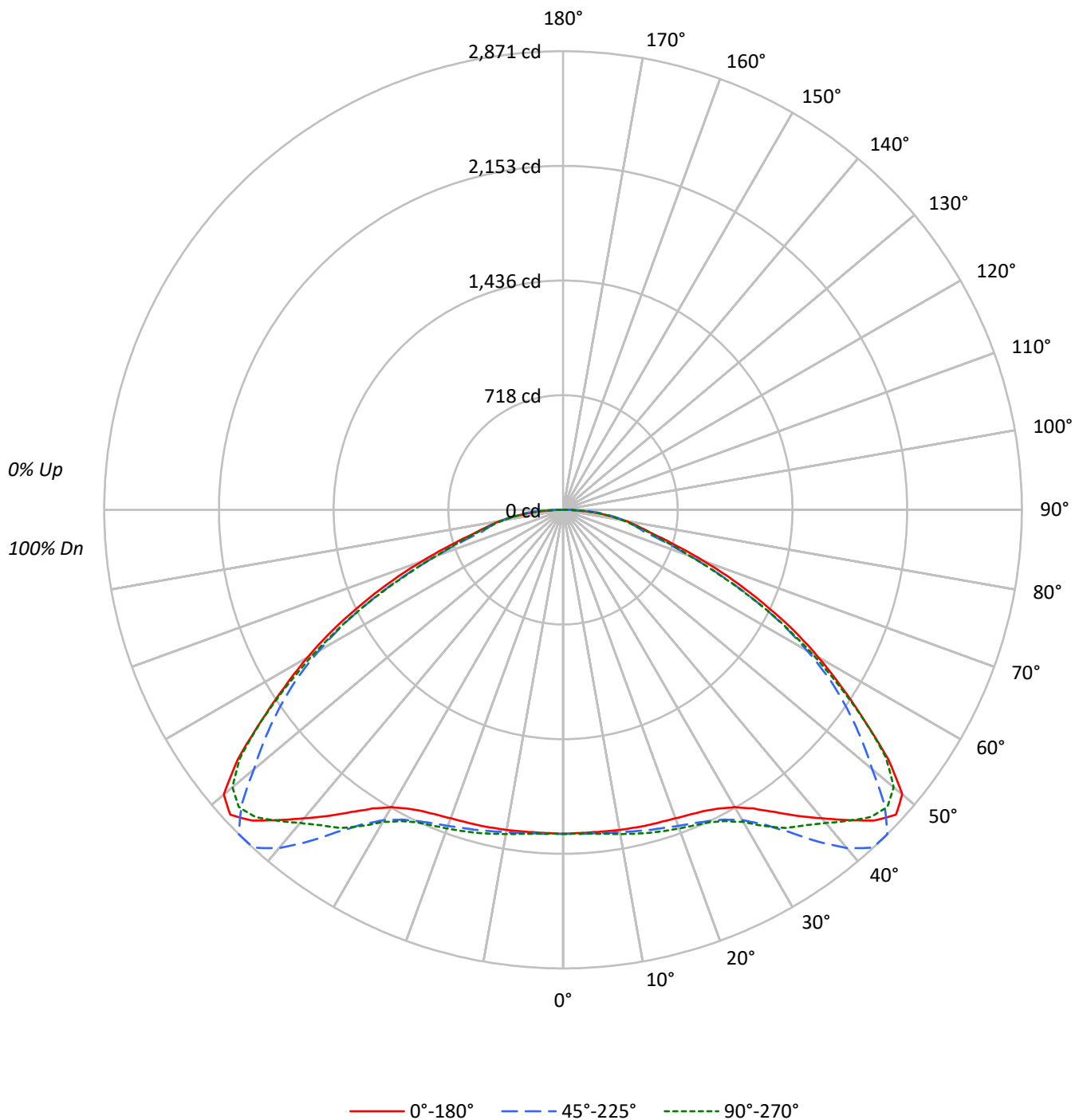
Lumens per Lamp: N/A
Luminaire Lumens: 9594.6 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1527320

CATALOG NUMBER: 22CGSB-80-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1527320

CATALOG NUMBER: 22CGSB-80-A125-L935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	5457	5457	5457
5°	5473	5492	5497
10°	5561	5601	5630
15°	5695	5781	5831
20°	5885	6030	6077
25°	6177	6382	6409
30°	6678	6966	7011
35°	7585	8085	7989
40°	8855	9708	8989
45°	10469	10924	10352
50°	11600	10568	11304
55°	10815	10177	10806
60°	9929	9500	9675
65°	8781	8285	8274
70°	7357	6630	6644
75°	6048	5426	5860
80°	6151	6123	5870
85°	6042	7274	6153

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11600 cd/sqm

TEST NUMBER: P1527320

CATALOG NUMBER: 22CGSB-80-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	2.0
10°-20°	588.1	6.1
20°-30°	994.2	10.4
30°-40°	1528.8	15.9
40°-50°	2124.7	22.1
50°-60°	2000.0	20.8
60°-70°	1320.8	13.8
70°-80°	613.8	6.4
80°-90°	229.7	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°	1776.9	18.5
0°-40°	3305.6	34.5
0°-60°	7430.3	77.4
0°-90°	9594.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9594.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2028	2028	2028	2028	2028	
5°	2026	2032	2033	2037	2035	194
15°	2044	2053	2075	2090	2093	580
25°	2080	2108	2149	2162	2158	968
35°	2309	2390	2461	2452	2432	1461
45°	2751	2849	2871	2802	2720	2105
55°	2305	2272	2169	2244	2303	2065
65°	1379	1366	1301	1321	1299	1369
75°	582	560	522	538	564	651
85°	196	225	236	228	199	214
90°	0	0	0	0	0	

TEST NUMBER: P1527320

CATALOG NUMBER: 22CGSB-80-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2027.9	2027.9	2027.9	2027.9	2027.9
2.5°	2026.1	2029.7	2031.5	2033.3	2027.9
5°	2026.1	2031.5	2033.3	2036.9	2035.1
7.5°	2029.7	2035.1	2040.6	2044.2	2046.0
10°	2035.1	2040.6	2049.6	2060.5	2060.5
12.5°	2038.8	2047.8	2060.5	2075.0	2076.8
15°	2044.2	2053.3	2075.0	2089.5	2093.1
17.5°	2047.8	2062.3	2087.7	2105.8	2107.6
20°	2055.1	2071.4	2105.8	2122.1	2122.1
22.5°	2065.9	2087.7	2123.9	2138.4	2138.4
25°	2080.4	2107.6	2149.3	2162.0	2158.4
27.5°	2107.6	2140.2	2185.6	2200.0	2196.4
30°	2149.3	2192.8	2241.7	2259.9	2256.2
32.5°	2216.4	2270.7	2332.3	2348.7	2346.8
35°	2308.8	2390.3	2461.0	2451.9	2432.0
37.5°	2415.7	2537.1	2616.9	2531.7	2488.2
40°	2520.8	2685.7	2763.7	2625.9	2558.9
42.5°	2633.2	2801.7	2868.8	2734.7	2640.4
45°	2751.0	2848.8	2870.6	2801.7	2720.2
47.5°	2825.3	2774.5	2727.4	2769.1	2752.8
50°	2770.9	2600.6	2524.4	2604.2	2700.2
52.5°	2564.3	2439.3	2350.5	2424.8	2546.2
55°	2305.2	2272.5	2169.2	2243.5	2303.3
57.5°	2067.8	2093.1	1980.8	2036.9	2046.0
60°	1844.9	1863.0	1765.1	1812.2	1797.7
62.5°	1618.3	1620.1	1544.0	1571.2	1549.5
65°	1379.1	1366.4	1301.2	1321.1	1299.4
67.5°	1154.4	1125.4	1063.8	1072.8	1052.9
70°	935.1	900.7	842.7	855.4	844.5
72.5°	739.4	712.2	661.5	677.8	688.6
75°	581.7	560.0	521.9	538.2	563.6
77.5°	482.1	454.9	458.5	447.6	465.7
80°	396.9	380.6	395.1	384.2	378.8
82.5°	295.4	311.7	317.1	322.6	295.4
85°	195.7	224.7	235.6	228.3	199.3
87.5°	96.0	121.4	125.0	123.2	103.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527320

CATALOG NUMBER: 22CGSB-80-A125-L935

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	22.9	21.5	23.2	23.5	21.0	22.7	21.3	23.0	23.3
	3H	22.4	24.0	22.8	24.3	24.7	22.1	23.7	22.5	24.0	24.4
	4H	22.8	24.3	23.2	24.6	25.0	22.5	24.0	22.9	24.3	24.7
	6H	23.1	24.5	23.5	24.9	25.3	22.9	24.2	23.3	24.6	25.0
	8H	23.3	24.6	23.7	25.0	25.4	23.0	24.3	23.4	24.7	25.1
	12H	23.4	24.7	23.8	25.1	25.5	23.1	24.4	23.6	24.8	25.2
4H	2H	21.6	23.1	22.0	23.4	23.8	21.4	22.9	21.8	23.3	23.6
	3H	23.0	24.3	23.4	24.7	25.1	22.8	24.0	23.2	24.4	24.8
	4H	23.5	24.6	23.9	25.1	25.5	23.3	24.4	23.7	24.8	25.2
	6H	24.0	25.0	24.4	25.4	25.9	23.7	24.7	24.2	25.2	25.6
	8H	24.2	25.1	24.7	25.6	26.0	24.0	24.9	24.4	25.4	25.8
	12H	24.4	25.2	24.9	25.7	26.2	24.2	25.0	24.7	25.5	26.0
8H	4H	23.7	24.6	24.1	25.1	25.5	23.5	24.4	23.9	24.8	25.3
	6H	24.3	25.1	24.8	25.6	26.0	24.1	24.9	24.6	25.4	25.8
	8H	24.6	25.3	25.1	25.8	26.3	24.4	25.1	24.9	25.6	26.1
	12H	24.9	25.5	25.4	26.0	26.6	24.8	25.4	25.3	25.9	26.4
12H	4H	23.7	24.6	24.2	25.0	25.5	23.5	24.3	24.0	24.8	25.3
	6H	24.4	25.1	24.9	25.5	26.1	24.2	24.9	24.7	25.3	25.9
	8H	24.7	25.4	25.2	25.9	26.4	24.6	25.2	25.1	25.7	26.2













(END OF REPORT)