

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: P1527255

Luminaire Tested: 22CGSB-25-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527255
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-25-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

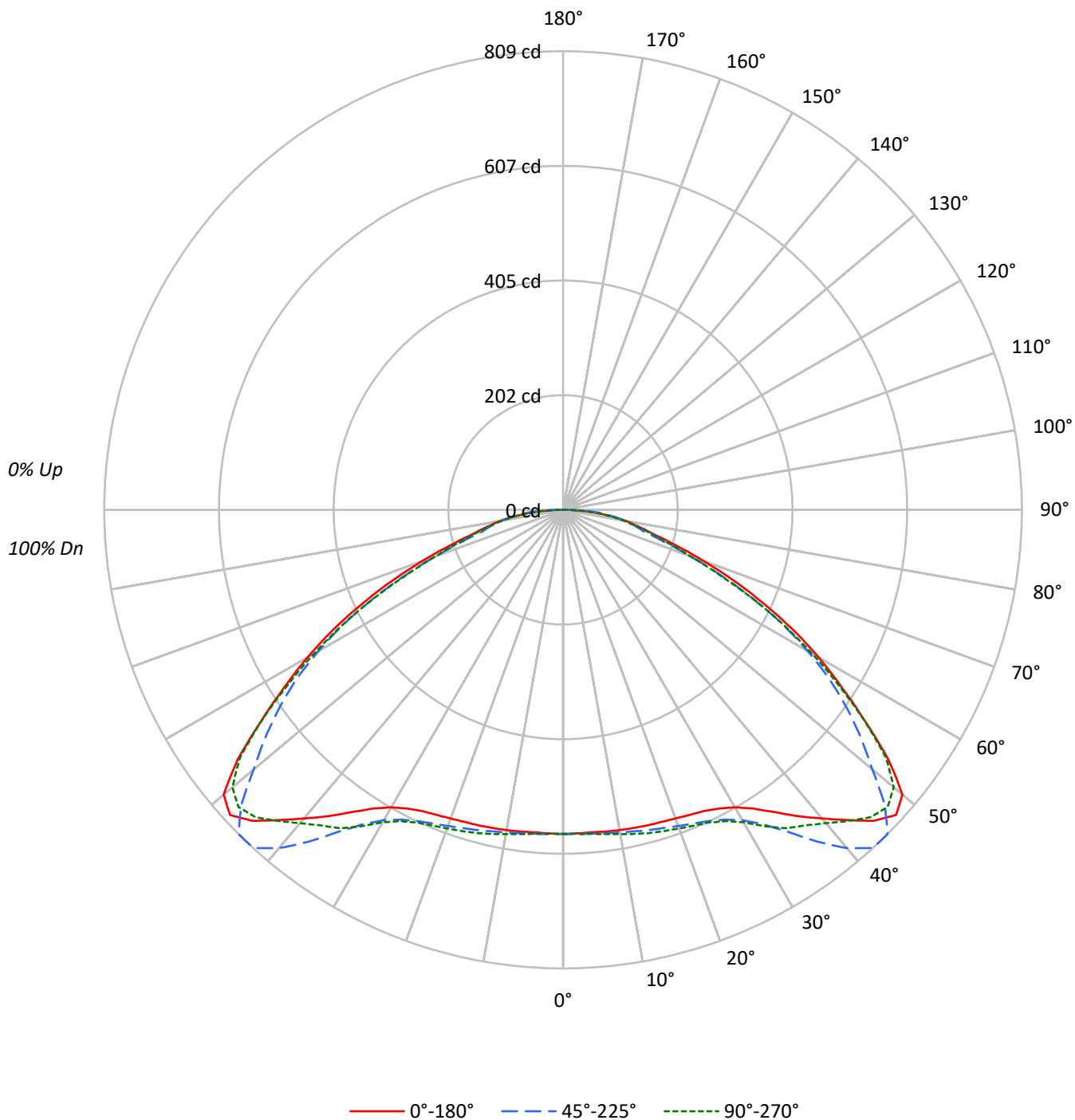
Lumens per Lamp: N/A
Luminaire Lumens: 2704.8 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1527255

CATALOG NUMBER: 22CGSB-25-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1527255

CATALOG NUMBER: 22CGSB-25-A125-L850

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°	1538	1538	1538
5°	1543	1548	1550
10°	1568	1579	1587
15°	1606	1629	1644
20°	1659	1700	1713
25°	1741	1799	1806
30°	1883	1963	1976
35°	2138	2279	2252
40°	2496	2737	2534
45°	2951	3080	2918
50°	3270	2979	3187
55°	3049	2869	3046
60°	2799	2678	2728
65°	2476	2336	2332
70°	2074	1869	1873
75°	1705	1529	1652
80°	1734	1726	1655
85°	1704	2050	1735

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3270 cd/sqm

TEST NUMBER: P1527255

CATALOG NUMBER: 22CGSB-25-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	2.0
10°-20°	165.8	6.1
20°-30°	280.3	10.4
30°-40°	431.0	15.9
40°-50°	598.9	22.1
50°-60°	563.8	20.8
60°-70°	372.3	13.8
70°-80°	173.0	6.4
80°-90°	64.8	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°	500.9	18.5
0°-40°	931.9	34.5
0°-60°	2094.6	77.4
0°-90°	2704.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2704.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	571	573	573	574	574	55
15°	576	579	585	589	590	163
25°	586	594	606	610	608	273
35°	651	674	694	691	686	412
45°	776	803	809	790	767	593
55°	650	641	612	632	649	582
65°	389	385	367	372	366	386
75°	164	158	147	152	159	184
85°	55	63	66	64	56	60
90°	0	0	0	0	0	

TEST NUMBER: P1527255

CATALOG NUMBER: 22CGSB-25-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	571.7	571.7	571.7	571.7	571.7
2.5°	571.2	572.2	572.7	573.2	571.7
5°	571.2	572.7	573.2	574.2	573.7
7.5°	572.2	573.7	575.2	576.3	576.8
10°	573.7	575.2	577.8	580.9	580.9
12.5°	574.7	577.3	580.9	584.9	585.5
15°	576.3	578.8	584.9	589.0	590.1
17.5°	577.3	581.4	588.5	593.6	594.1
20°	579.3	583.9	593.6	598.2	598.2
22.5°	582.4	588.5	598.7	602.8	602.8
25°	586.5	594.1	605.9	609.5	608.4
27.5°	594.1	603.3	616.1	620.2	619.2
30°	605.9	618.2	631.9	637.1	636.0
32.5°	624.8	640.1	657.5	662.1	661.6
35°	650.9	673.8	693.8	691.2	685.6
37.5°	681.0	715.2	737.7	713.7	701.4
40°	710.6	757.1	779.1	740.3	721.4
42.5°	742.3	789.8	808.7	770.9	744.3
45°	775.5	803.1	809.2	789.8	766.8
47.5°	796.5	782.1	768.9	780.6	776.0
50°	781.1	733.1	711.6	734.1	761.2
52.5°	722.9	687.6	662.6	683.5	717.8
55°	649.8	640.6	611.5	632.5	649.3
57.5°	582.9	590.1	558.4	574.2	576.8
60°	520.1	525.2	497.6	510.9	506.8
62.5°	456.2	456.7	435.3	442.9	436.8
65°	388.8	385.2	366.8	372.4	366.3
67.5°	325.4	317.3	299.9	302.4	296.8
70°	263.6	253.9	237.6	241.1	238.1
72.5°	208.4	200.8	186.5	191.1	194.1
75°	164.0	157.9	147.1	151.7	158.9
77.5°	135.9	128.2	129.3	126.2	131.3
80°	111.9	107.3	111.4	108.3	106.8
82.5°	83.3	87.9	89.4	90.9	83.3
85°	55.2	63.3	66.4	64.4	56.2
87.5°	27.1	34.2	35.3	34.7	29.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527255

CATALOG NUMBER: 22CGSB-25-A125-L850

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	16.7	18.5	17.1	18.8	19.1	16.6	18.3	16.9	18.6	18.9
	3H	18.0	19.6	18.4	19.9	20.3	17.7	19.3	18.1	19.6	20.0
	4H	18.4	19.9	18.8	20.2	20.6	18.1	19.6	18.5	19.9	20.3
	6H	18.7	20.1	19.1	20.5	20.9	18.5	19.8	18.9	20.2	20.6
	8H	18.9	20.2	19.3	20.6	21.0	18.6	19.9	19.0	20.3	20.7
	12H	19.0	20.3	19.4	20.7	21.1	18.7	20.0	19.2	20.4	20.8
4H	2H	17.2	18.7	17.6	19.0	19.4	17.0	18.5	17.4	18.9	19.2
	3H	18.6	19.9	19.0	20.3	20.7	18.4	19.6	18.8	20.0	20.4
	4H	19.1	20.2	19.5	20.7	21.1	18.9	20.0	19.3	20.4	20.8
	6H	19.6	20.6	20.0	21.0	21.5	19.3	20.3	19.8	20.8	21.2
	8H	19.8	20.7	20.3	21.2	21.6	19.6	20.5	20.0	21.0	21.4
	12H	20.0	20.8	20.5	21.3	21.8	19.8	20.6	20.3	21.1	21.6
8H	4H	19.3	20.2	19.7	20.7	21.1	19.1	20.0	19.5	20.4	20.9
	6H	19.9	20.7	20.4	21.2	21.6	19.7	20.5	20.2	21.0	21.4
	8H	20.2	20.9	20.7	21.4	21.9	20.0	20.7	20.5	21.2	21.7
	12H	20.5	21.1	21.0	21.6	22.2	20.4	21.0	20.9	21.5	22.0
12H	4H	19.3	20.2	19.8	20.6	21.1	19.1	19.9	19.6	20.4	20.9
	6H	20.0	20.7	20.5	21.1	21.7	19.8	20.5	20.3	20.9	21.5
	8H	20.3	21.0	20.8	21.5	22.0	20.2	20.8	20.7	21.3	21.8













(END OF REPORT)