

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: P1527253

Luminaire Tested: 22CGSB-25-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527253
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

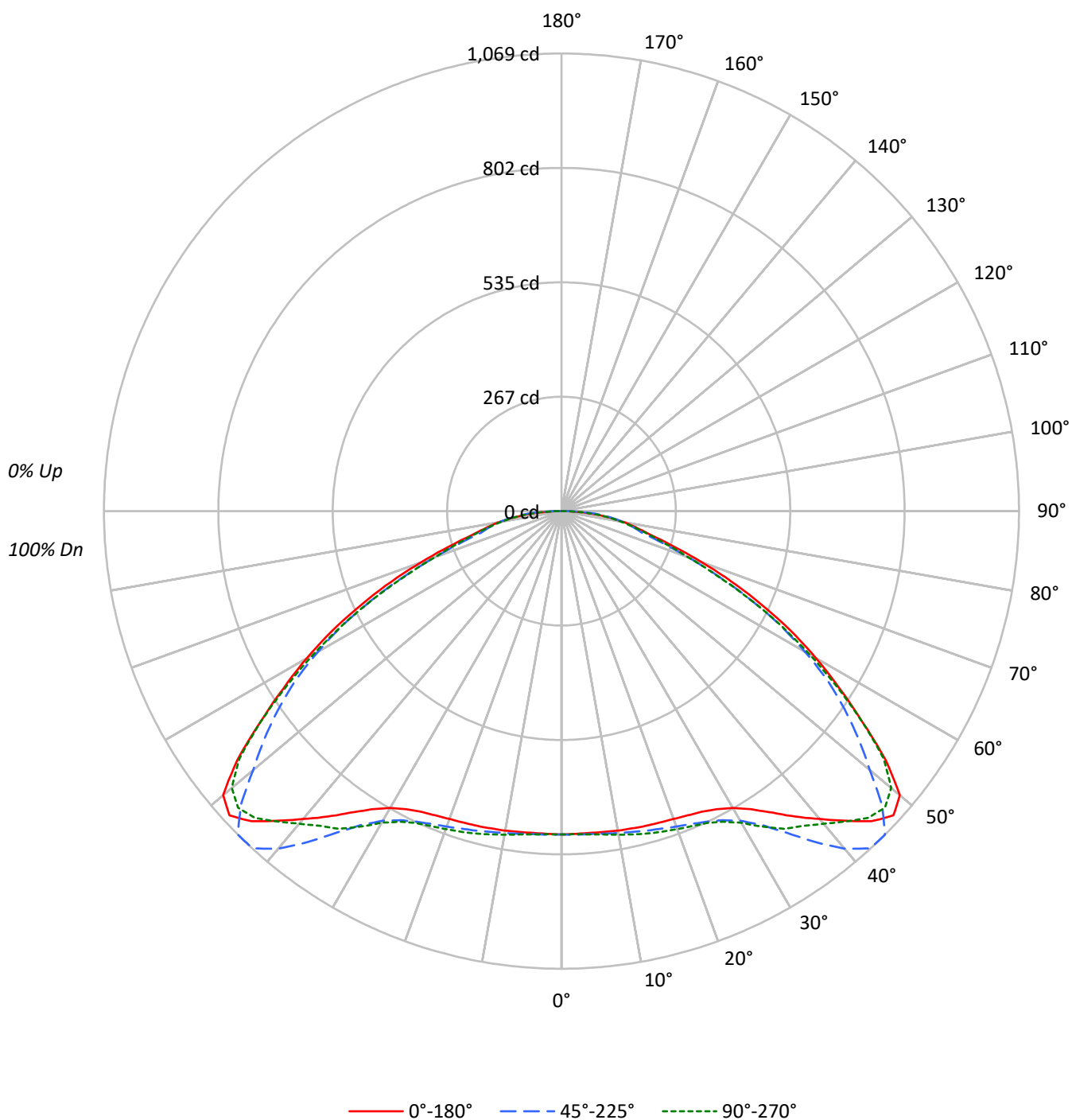
Lumens per Lamp: N/A
Luminaire Lumens: 3573.0 lumens
Efficiency: N/A
Efficacy: 175.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1527253

CATALOG NUMBER: 22CGSB-25-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1527253

CATALOG NUMBER: 22CGSB-25-A125-L835

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°	2032	2032	2032
5°	2038	2045	2047
10°	2071	2086	2097
15°	2121	2153	2172
20°	2192	2246	2263
25°	2300	2377	2387
30°	2487	2594	2611
35°	2825	3011	2975
40°	3297	3615	3347
45°	3898	4068	3855
50°	4320	3936	4209
55°	4027	3790	4024
60°	3697	3538	3603
65°	3270	3085	3081
70°	2740	2469	2474
75°	2252	2021	2182
80°	2290	2280	2185
85°	2251	2708	2291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4320 cd/sqm

TEST NUMBER: P1527253

CATALOG NUMBER: 22CGSB-25-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	2.0
10°-20°	219.0	6.1
20°-30°	370.2	10.4
30°-40°	569.3	15.9
40°-50°	791.2	22.1
50°-60°	744.8	20.8
60°-70°	491.9	13.8
70°-80°	228.6	6.4
80°-90°	85.5	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°	661.7	18.5
0°-40°	1231.0	34.5
0°-60°	2767.0	77.4
0°-90°	3573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	754	756	757	758	758	72
15°	761	765	773	778	780	216
25°	775	785	800	805	804	361
35°	860	890	916	913	906	544
45°	1024	1061	1069	1043	1013	784
55°	858	846	808	836	858	769
65°	514	509	484	492	484	510
75°	217	208	194	200	210	242
85°	73	84	88	85	74	80
90°	0	0	0	0	0	

TEST NUMBER: P1527253

CATALOG NUMBER: 22CGSB-25-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	755.2	755.2	755.2	755.2	755.2
2.5°	754.5	755.8	756.5	757.2	755.2
5°	754.5	756.5	757.2	758.5	757.9
7.5°	755.8	757.9	759.9	761.2	761.9
10°	757.9	759.9	763.3	767.3	767.3
12.5°	759.2	762.6	767.3	772.7	773.4
15°	761.2	764.6	772.7	778.1	779.5
17.5°	762.6	768.0	777.4	784.2	784.9
20°	765.3	771.4	784.2	790.3	790.3
22.5°	769.3	777.4	790.9	796.3	796.3
25°	774.7	784.9	800.4	805.1	803.8
27.5°	784.9	797.0	813.9	819.3	817.9
30°	800.4	816.6	834.8	841.5	840.2
32.5°	825.3	845.6	868.5	874.6	873.9
35°	859.8	890.1	916.5	913.1	905.7
37.5°	899.6	944.8	974.5	942.8	926.6
40°	938.7	1000.1	1029.2	977.9	952.9
42.5°	980.6	1043.3	1068.3	1018.4	983.3
45°	1024.4	1060.9	1069.0	1043.3	1013.0
47.5°	1052.1	1033.2	1015.7	1031.2	1025.1
50°	1031.9	968.4	940.1	969.8	1005.5
52.5°	954.9	908.4	875.3	903.0	948.2
55°	858.4	846.3	807.8	835.5	857.7
57.5°	770.0	779.5	737.6	758.5	761.9
60°	687.0	693.8	657.3	674.9	669.5
62.5°	602.6	603.3	575.0	585.1	577.0
65°	513.6	508.8	484.5	492.0	483.9
67.5°	429.9	419.1	396.1	399.5	392.1
70°	348.2	335.4	313.8	318.5	314.5
72.5°	275.3	265.2	246.3	252.4	256.4
75°	216.6	208.5	194.4	200.4	209.9
77.5°	179.5	169.4	170.7	166.7	173.4
80°	147.8	141.7	147.1	143.1	141.0
82.5°	110.0	116.1	118.1	120.1	110.0
85°	72.9	83.7	87.7	85.0	74.2
87.5°	35.8	45.2	46.6	45.9	38.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527253

CATALOG NUMBER: 22CGSB-25-A125-L835

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	17.7	19.4	18.1	19.8	20.1	17.5	19.3	17.9	19.6	19.9
	3H	19.0	20.5	19.3	20.9	21.2	18.7	20.3	19.1	20.6	21.0
	4H	19.4	20.8	19.7	21.2	21.6	19.1	20.6	19.5	20.9	21.3
	6H	19.7	21.1	20.1	21.4	21.8	19.4	20.8	19.8	21.2	21.6
	8H	19.8	21.2	20.3	21.6	22.0	19.6	20.9	20.0	21.3	21.7
	12H	20.0	21.2	20.4	21.6	22.0	19.7	21.0	20.1	21.4	21.8
4H	2H	18.1	19.6	18.5	20.0	20.4	18.0	19.5	18.4	19.8	20.2
	3H	19.6	20.8	20.0	21.2	21.6	19.3	20.6	19.7	21.0	21.4
	4H	20.1	21.2	20.5	21.6	22.1	19.8	21.0	20.3	21.4	21.8
	6H	20.6	21.5	21.0	22.0	22.4	20.3	21.3	20.8	21.7	22.2
	8H	20.8	21.7	21.2	22.1	22.6	20.5	21.5	21.0	21.9	22.4
	12H	21.0	21.8	21.4	22.3	22.7	20.8	21.6	21.2	22.1	22.5
8H	4H	20.3	21.2	20.7	21.6	22.1	20.0	21.0	20.5	21.4	21.9
	6H	20.9	21.6	21.4	22.1	22.6	20.7	21.4	21.2	21.9	22.4
	8H	21.2	21.9	21.7	22.4	22.9	21.0	21.7	21.5	22.2	22.7
	12H	21.5	22.1	22.0	22.6	23.1	21.3	21.9	21.8	22.4	23.0
12H	4H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.5	21.4	21.8
	6H	20.9	21.7	21.5	22.1	22.6	20.7	21.5	21.3	21.9	22.4
	8H	21.3	21.9	21.8	22.4	23.0	21.1	21.8	21.6	22.3	22.8













(END OF REPORT)