

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: P1527271

Luminaire Tested: 22CGSB-35-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527271
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-35-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

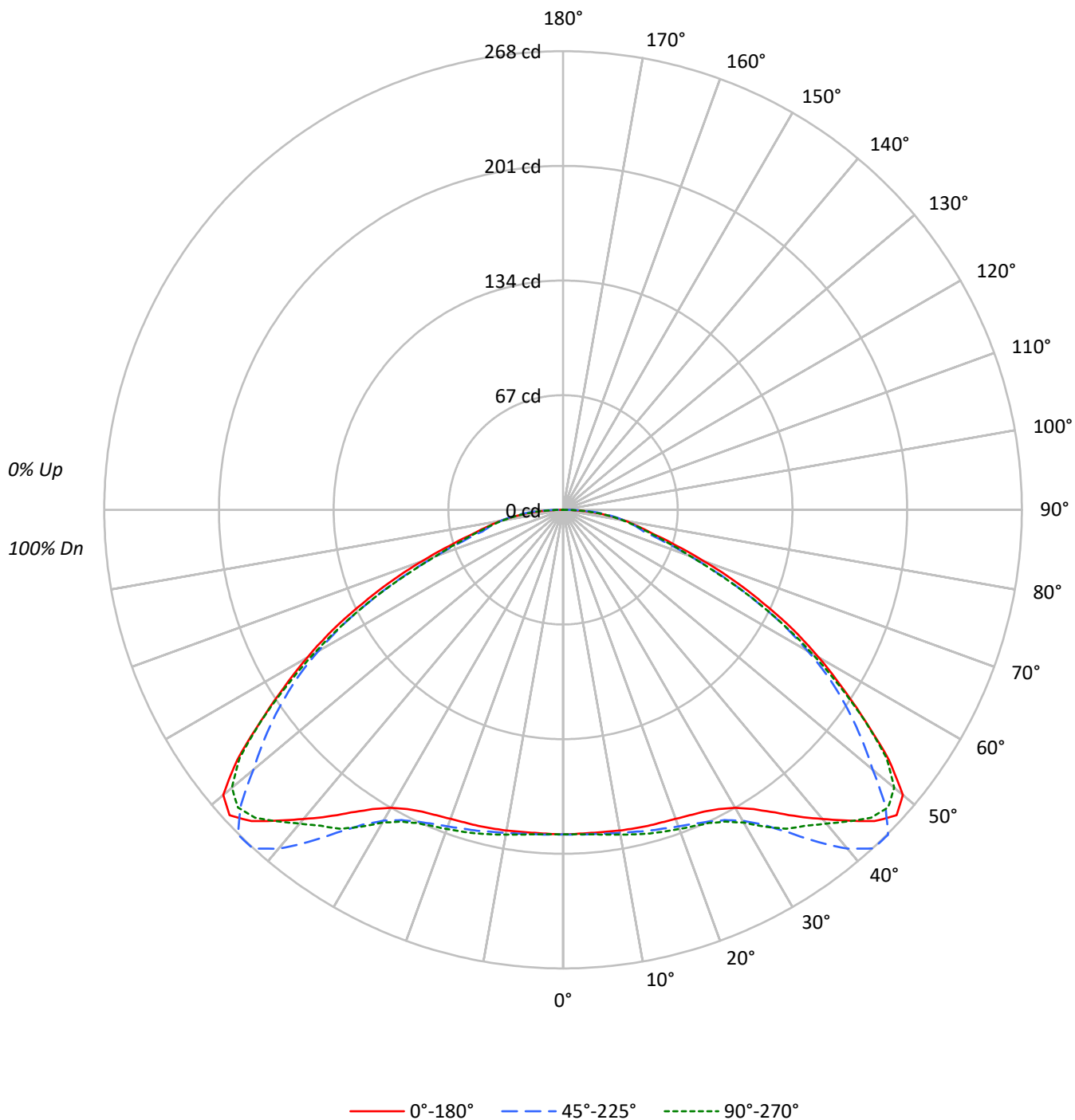
Lumens per Lamp: N/A
Luminaire Lumens: 897.4 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	510	510	510
5°	512	514	514
10°	520	524	527
15°	533	541	545
20°	550	564	568
25°	578	597	599
30°	625	652	656
35°	709	756	747
40°	828	908	841
45°	979	1022	968
50°	1085	988	1057
55°	1012	952	1011
60°	928	889	905
65°	821	775	774
70°	688	620	622
75°	566	507	548
80°	575	572	549
85°	565	679	574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 1085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	2.0
10°-20°	55.0	6.1
20°-30°	93.0	10.4
30°-40°	143.0	15.9
40°-50°	198.7	22.1
50°-60°	187.0	20.8
60°-70°	123.5	13.8
70°-80°	57.4	6.4
80°-90°	21.5	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°	166.2	18.5
0°-40°	309.2	34.5
0°-60°	694.9	77.4
0°-90°	897.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	190	190	190	190	190	
5°	190	190	190	190	190	18
15°	191	192	194	195	196	54
25°	195	197	201	202	202	91
35°	216	224	230	229	228	137
45°	257	266	268	262	254	197
55°	216	212	203	210	215	193
65°	129	128	122	124	122	128
75°	54	52	49	50	53	61
85°	18	21	22	21	19	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	189.7	189.7	189.7	189.7	189.7
2.5°	189.5	189.8	190.0	190.2	189.7
5°	189.5	190.0	190.2	190.5	190.3
7.5°	189.8	190.3	190.8	191.2	191.4
10°	190.3	190.8	191.7	192.7	192.7
12.5°	190.7	191.5	192.7	194.1	194.2
15°	191.2	192.0	194.1	195.4	195.8
17.5°	191.5	192.9	195.3	196.9	197.1
20°	192.2	193.7	196.9	198.5	198.5
22.5°	193.2	195.3	198.6	200.0	200.0
25°	194.6	197.1	201.0	202.2	201.9
27.5°	197.1	200.2	204.4	205.8	205.4
30°	201.0	205.1	209.7	211.4	211.0
32.5°	207.3	212.4	218.1	219.7	219.5
35°	215.9	223.6	230.2	229.3	227.5
37.5°	225.9	237.3	244.7	236.8	232.7
40°	235.8	251.2	258.5	245.6	239.3
42.5°	246.3	262.0	268.3	255.8	246.9
45°	257.3	266.4	268.5	262.0	254.4
47.5°	264.2	259.5	255.1	259.0	257.5
50°	259.1	243.2	236.1	243.6	252.5
52.5°	239.8	228.1	219.8	226.8	238.1
55°	215.6	212.5	202.9	209.8	215.4
57.5°	193.4	195.8	185.3	190.5	191.4
60°	172.5	174.2	165.1	169.5	168.1
62.5°	151.4	151.5	144.4	146.9	144.9
65°	129.0	127.8	121.7	123.6	121.5
67.5°	108.0	105.3	99.5	100.3	98.5
70°	87.5	84.2	78.8	80.0	79.0
72.5°	69.2	66.6	61.9	63.4	64.4
75°	54.4	52.4	48.8	50.3	52.7
77.5°	45.1	42.5	42.9	41.9	43.6
80°	37.1	35.6	36.9	35.9	35.4
82.5°	27.6	29.2	29.7	30.2	27.6
85°	18.3	21.0	22.0	21.4	18.6
87.5°	9.0	11.4	11.7	11.5	9.7
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	12.9	14.6	13.3	15.0	15.3	12.7	14.5	13.1	14.8	15.1
	3H	14.2	15.7	14.5	16.1	16.4	13.9	15.5	14.3	15.8	16.2
	4H	14.6	16.0	14.9	16.4	16.8	14.3	15.8	14.7	16.1	16.5
	6H	14.9	16.3	15.3	16.6	17.0	14.6	16.0	15.0	16.4	16.8
	8H	15.0	16.4	15.5	16.8	17.2	14.8	16.1	15.2	16.5	16.9
	12H	15.2	16.4	15.6	16.8	17.2	14.9	16.2	15.3	16.6	17.0
4H	2H	13.3	14.8	13.7	15.2	15.6	13.2	14.7	13.6	15.0	15.4
	3H	14.8	16.0	15.2	16.4	16.8	14.5	15.8	14.9	16.2	16.6
	4H	15.3	16.4	15.7	16.8	17.3	15.0	16.2	15.5	16.6	17.0
	6H	15.8	16.7	16.2	17.2	17.6	15.5	16.5	16.0	16.9	17.4
	8H	16.0	16.9	16.4	17.3	17.8	15.7	16.7	16.2	17.1	17.6
	12H	16.2	17.0	16.6	17.5	17.9	16.0	16.8	16.4	17.3	17.7
8H	4H	15.5	16.4	15.9	16.8	17.3	15.2	16.2	15.7	16.6	17.1
	6H	16.1	16.8	16.6	17.3	17.8	15.9	16.6	16.4	17.1	17.6
	8H	16.4	17.1	16.9	17.6	18.1	16.2	16.9	16.7	17.4	17.9
	12H	16.7	17.3	17.2	17.8	18.3	16.5	17.1	17.0	17.6	18.2
12H	4H	15.5	16.3	16.0	16.8	17.3	15.3	16.1	15.7	16.6	17.0
	6H	16.1	16.9	16.7	17.3	17.8	15.9	16.7	16.5	17.1	17.6
	8H	16.5	17.1	17.0	17.6	18.2	16.3	17.0	16.8	17.5	18.0















(END OF REPORT)