

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: P1527335

Luminaire Tested: 24CGSB-35-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-35-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

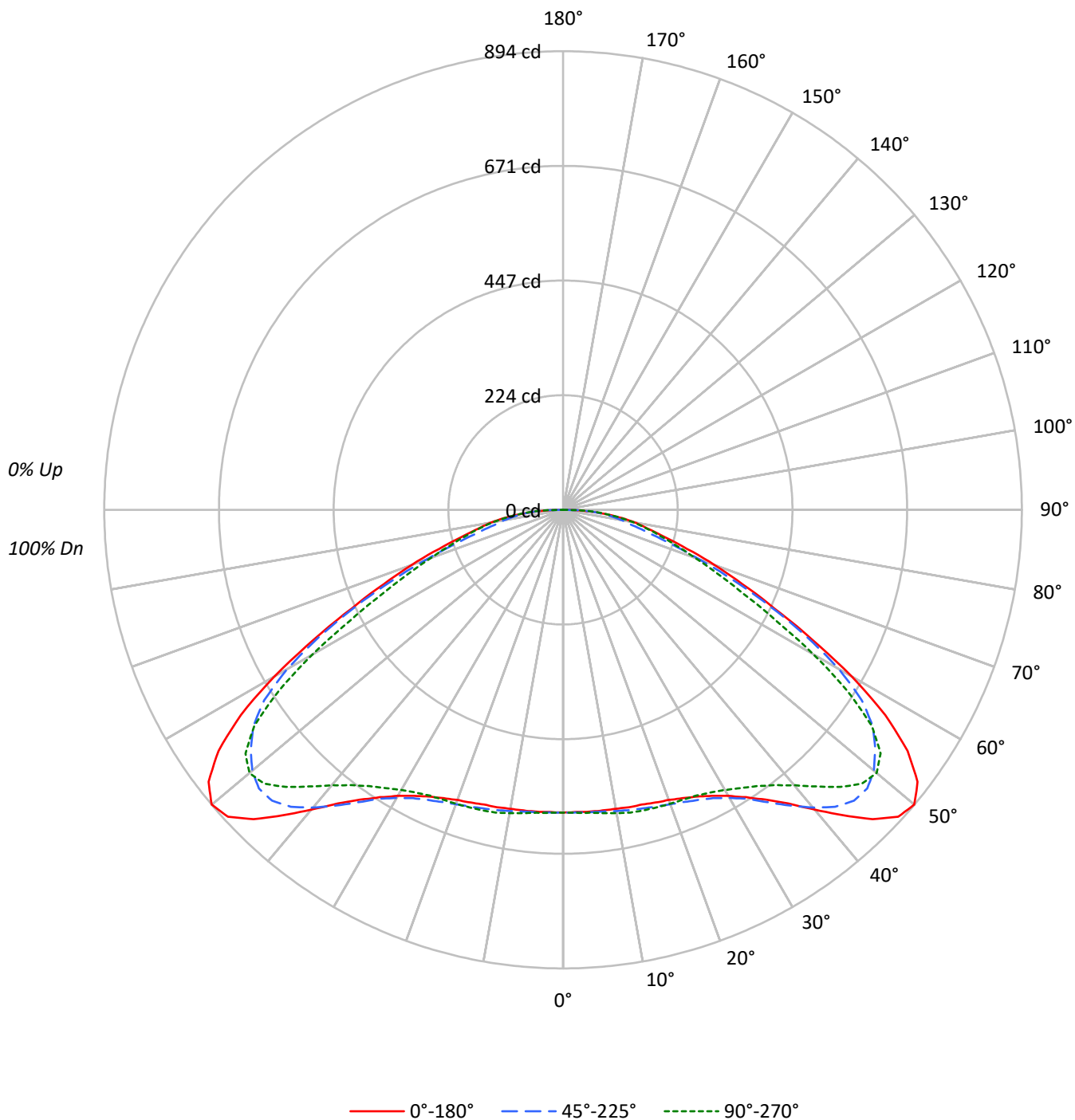
Lumens per Lamp: N/A
Luminaire Lumens: 2945.8 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
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: P1527335

CATALOG NUMBER: 24CGSB-35-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1527335

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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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66			
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54			
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44			
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37			
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31			
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27			
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23			
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20			
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	794	794	794
5°	798	799	801
10°	808	815	820
15°	828	839	845
20°	862	874	873
25°	915	926	912
30°	1000	1007	979
35°	1133	1143	1080
40°	1339	1330	1231
45°	1623	1526	1454
50°	1870	1655	1670
55°	1923	1729	1723
60°	1747	1670	1517
65°	1445	1419	1238
70°	1234	1112	1076
75°	1068	886	1018
80°	1106	897	1071
85°	1118	1079	1189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1924 cd/sqm

TEST NUMBER: P1527335

CATALOG NUMBER: 24CGSB-35-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	1.9
10°-20°	170.8	5.8
20°-30°	288.5	9.8
30°-40°	434.3	14.7
40°-50°	617.6	21.0
50°-60°	662.8	22.5
60°-70°	431.9	14.7
70°-80°	207.7	7.1
80°-90°	75.6	2.6
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°	515.9	17.5
0°-40°	950.2	32.3
0°-60°	2230.6	75.7
0°-90°	2945.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2945.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	591	591	592	594	593	56
15°	595	598	602	606	606	169
25°	617	622	624	618	615	287
35°	690	703	696	672	657	438
45°	853	832	802	781	764	655
55°	820	799	737	716	734	717
65°	454	450	446	398	389	459
75°	206	194	170	194	196	226
85°	72	68	70	72	77	79
90°	0	0	0	0	0	

TEST NUMBER: P1527335

CATALOG NUMBER: 24CGSB-35-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	590.1	590.1	590.1	590.1	590.1
2.5°	589.6	590.1	590.6	591.1	591.1
5°	590.6	591.1	591.6	593.7	592.7
7.5°	591.1	591.6	593.2	596.2	596.2
10°	591.6	593.2	596.2	599.3	600.3
12.5°	593.7	595.2	599.3	603.4	604.4
15°	594.7	597.8	602.4	605.9	606.4
17.5°	598.3	601.3	606.4	608.0	608.0
20°	601.8	605.9	610.5	610.5	609.5
22.5°	608.5	613.1	616.6	613.6	611.5
25°	616.6	622.3	623.8	618.2	614.6
27.5°	628.4	635.5	633.5	625.8	621.2
30°	643.7	652.9	648.3	637.0	630.4
32.5°	664.1	675.3	667.6	653.4	643.2
35°	689.6	702.8	695.7	672.2	657.4
37.5°	721.2	735.0	726.3	696.2	676.3
40°	762.5	769.7	757.4	724.8	700.8
42.5°	807.4	803.8	785.0	754.9	731.4
45°	852.8	831.9	801.8	780.9	764.0
47.5°	885.4	846.7	803.8	793.1	790.1
50°	893.6	843.6	790.6	786.5	797.7
52.5°	870.6	827.3	766.6	759.5	779.9
55°	819.6	798.7	737.0	715.6	734.5
57.5°	744.7	743.1	690.1	651.8	656.9
60°	649.3	655.4	620.7	566.7	563.6
62.5°	546.3	549.8	534.5	478.4	467.7
65°	453.9	450.4	445.8	397.8	388.7
67.5°	377.9	367.2	360.1	331.0	326.4
70°	313.7	296.8	282.6	278.0	273.4
72.5°	254.0	241.8	218.8	231.6	231.0
75°	205.5	194.3	170.4	193.8	195.9
77.5°	168.3	160.7	137.7	159.1	165.8
80°	142.8	127.0	115.8	129.6	138.2
82.5°	109.1	96.9	94.4	100.0	108.1
85°	72.4	67.8	69.9	71.9	77.0
87.5°	36.7	39.3	42.3	45.9	48.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527335

CATALOG NUMBER: 24CGSB-35-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	15.6	17.4	16.0	17.7	18.0	14.7	16.5	15.0	16.8	17.1
	3H	16.7	18.3	17.1	18.6	19.0	15.8	17.4	16.2	17.8	18.1
	4H	17.1	18.6	17.5	19.0	19.3	16.3	17.8	16.7	18.2	18.5
	6H	17.4	18.9	17.9	19.2	19.6	16.7	18.1	17.1	18.5	18.9
	8H	17.6	19.0	18.0	19.4	19.7	16.9	18.3	17.3	18.7	19.1
	12H	17.7	19.0	18.2	19.4	19.8	17.1	18.4	17.5	18.8	19.2
4H	2H	16.0	17.5	16.4	17.9	18.2	15.2	16.8	15.6	17.1	17.5
	3H	17.3	18.6	17.7	19.0	19.4	16.6	17.8	17.0	18.2	18.6
	4H	17.8	18.9	18.2	19.4	19.8	17.1	18.3	17.6	18.7	19.2
	6H	18.3	19.3	18.7	19.7	20.2	17.7	18.7	18.2	19.2	19.6
	8H	18.5	19.5	19.0	19.9	20.4	18.0	18.9	18.4	19.4	19.8
	12H	18.7	19.6	19.2	20.0	20.5	18.2	19.1	18.7	19.6	20.0
8H	4H	17.9	18.9	18.4	19.3	19.8	17.4	18.3	17.8	18.8	19.2
	6H	18.5	19.3	19.0	19.8	20.3	18.1	18.9	18.6	19.3	19.8
	8H	18.8	19.6	19.4	20.1	20.6	18.4	19.1	18.9	19.6	20.1
	12H	19.1	19.8	19.6	20.3	20.8	18.8	19.4	19.3	19.9	20.5
12H	4H	18.0	18.8	18.5	19.3	19.8	17.4	18.3	17.9	18.7	19.2
	6H	18.6	19.3	19.1	19.8	20.3	18.1	18.9	18.6	19.3	19.8
	8H	19.0	19.6	19.5	20.1	20.6	18.5	19.2	19.0	19.7	20.2













(END OF REPORT)