

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: P1527333

Luminaire Tested: 24CGSB-35-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527333
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

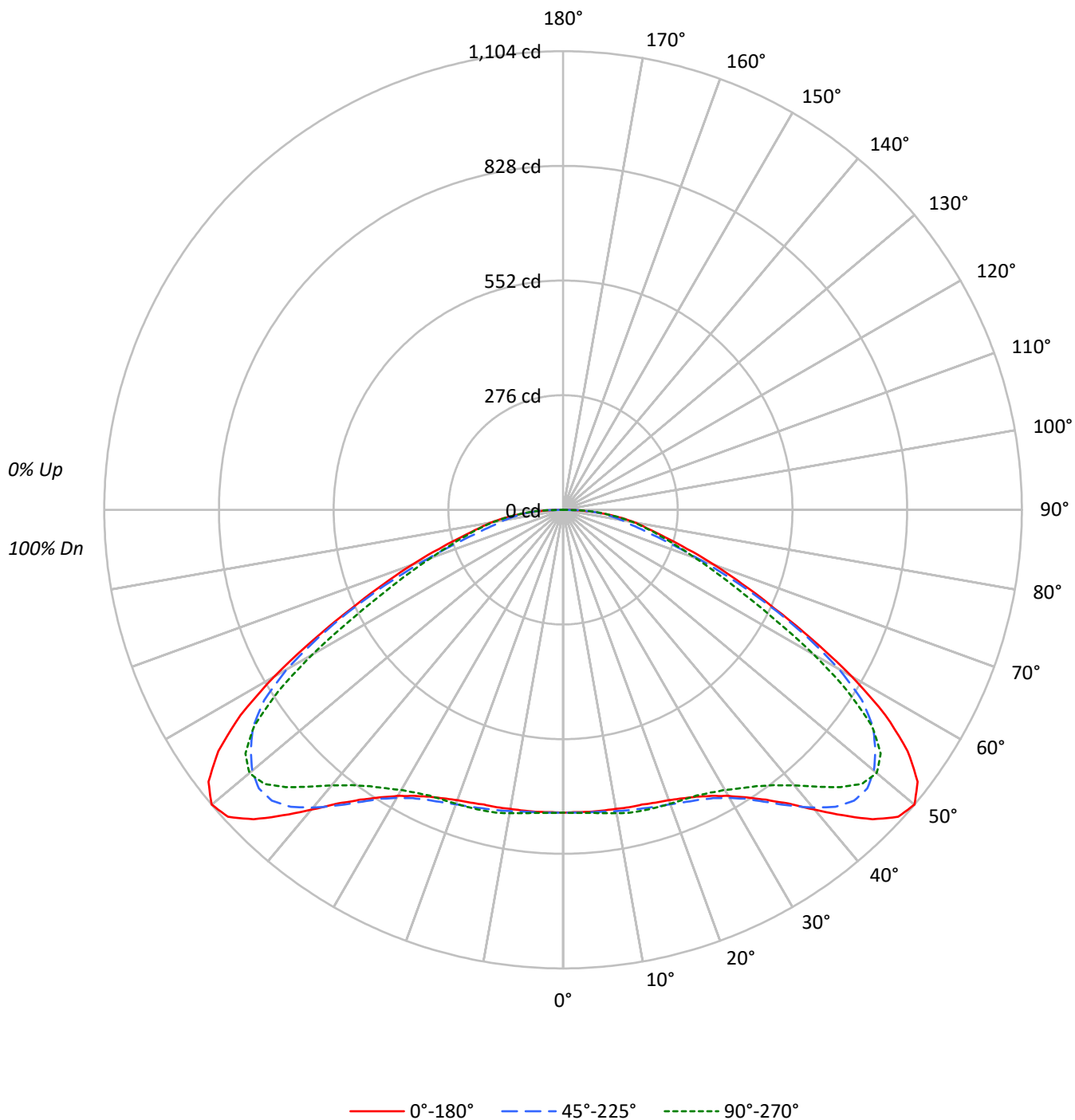
Lumens per Lamp: N/A
Luminaire Lumens: 3638.9 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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°	981	981	981
5°	985	987	989
10°	999	1006	1013
15°	1023	1036	1043
20°	1065	1080	1078
25°	1131	1144	1127
30°	1235	1244	1210
35°	1399	1412	1334
40°	1654	1643	1521
45°	2004	1885	1796
50°	2310	2044	2063
55°	2375	2136	2128
60°	2158	2063	1873
65°	1785	1753	1528
70°	1524	1373	1328
75°	1320	1094	1258
80°	1367	1108	1323
85°	1382	1332	1468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	1.9
10°-20°	211.0	5.8
20°-30°	356.4	9.8
30°-40°	536.5	14.7
40°-50°	762.9	21.0
50°-60°	818.7	22.5
60°-70°	533.6	14.7
70°-80°	256.5	7.0
80°-90°	93.4	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°	637.3	17.5
0°-40°	1173.8	32.3
0°-60°	2755.4	75.7
0°-90°	3638.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	730	730	731	733	732	70
15°	735	738	744	748	749	209
25°	762	769	771	764	759	355
35°	852	868	859	830	812	541
45°	1053	1028	990	965	944	809
55°	1012	987	910	884	907	886
65°	561	556	551	491	480	567
75°	254	240	210	239	242	279
85°	90	84	86	89	95	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.0	729.0	729.0	729.0	729.0
2.5°	728.3	729.0	729.6	730.2	730.2
5°	729.6	730.2	730.9	733.4	732.1
7.5°	730.2	730.9	732.7	736.5	736.5
10°	730.9	732.7	736.5	740.3	741.6
12.5°	733.4	735.3	740.3	745.4	746.6
15°	734.6	738.4	744.1	748.5	749.1
17.5°	739.0	742.8	749.1	751.0	751.0
20°	743.5	748.5	754.2	754.2	752.9
22.5°	751.7	757.3	761.7	758.0	755.4
25°	761.7	768.7	770.6	763.6	759.2
27.5°	776.2	785.0	782.5	773.1	767.4
30°	795.1	806.5	800.8	786.9	778.7
32.5°	820.3	834.2	824.7	807.1	794.5
35°	851.8	868.2	859.4	830.4	812.1
37.5°	890.9	907.9	897.2	860.0	835.4
40°	941.9	950.7	935.6	895.3	865.7
42.5°	997.4	993.0	969.6	932.5	903.5
45°	1053.4	1027.6	990.4	964.6	943.8
47.5°	1093.8	1045.9	993.0	979.7	975.9
50°	1103.8	1042.1	976.6	971.5	985.4
52.5°	1075.5	1021.9	947.0	938.1	963.3
55°	1012.5	986.7	910.4	884.0	907.3
57.5°	919.9	918.0	852.5	805.2	811.5
60°	802.1	809.6	766.8	700.0	696.2
62.5°	674.8	679.2	660.3	591.0	577.8
65°	560.7	556.3	550.7	491.4	480.1
67.5°	466.9	453.6	444.8	408.9	403.2
70°	387.5	366.7	349.0	343.4	337.7
72.5°	313.8	298.6	270.3	286.0	285.4
75°	253.9	240.0	210.4	239.4	241.9
77.5°	207.9	198.5	170.1	196.6	204.8
80°	176.4	156.9	143.0	160.0	170.7
82.5°	134.8	119.7	116.6	123.5	133.6
85°	89.5	83.8	86.3	88.8	95.1
87.5°	45.4	48.5	52.3	56.7	59.9
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	16.3	18.1	16.7	18.4	18.7	15.4	17.2	15.8	17.5	17.8
	3H	17.4	19.0	17.8	19.4	19.7	16.6	18.2	16.9	18.5	18.9
	4H	17.8	19.4	18.2	19.7	20.1	17.0	18.5	17.4	18.9	19.3
	6H	18.2	19.6	18.6	20.0	20.4	17.5	18.9	17.9	19.2	19.6
	8H	18.3	19.7	18.8	20.1	20.5	17.7	19.0	18.1	19.4	19.8
	12H	18.5	19.8	18.9	20.2	20.6	17.8	19.1	18.3	19.5	19.9
4H	2H	16.7	18.3	17.1	18.6	19.0	16.0	17.5	16.4	17.9	18.2
	3H	18.0	19.3	18.4	19.7	20.1	17.3	18.6	17.7	19.0	19.4
	4H	18.5	19.7	19.0	20.1	20.5	17.9	19.0	18.3	19.5	19.9
	6H	19.0	20.0	19.5	20.5	20.9	18.5	19.5	18.9	19.9	20.4
	8H	19.2	20.2	19.7	20.6	21.1	18.7	19.7	19.2	20.1	20.6
	12H	19.4	20.3	19.9	20.8	21.2	19.0	19.8	19.4	20.3	20.8
8H	4H	18.7	19.6	19.1	20.1	20.5	18.1	19.0	18.5	19.5	19.9
	6H	19.3	20.1	19.8	20.6	21.0	18.8	19.6	19.3	20.1	20.6
	8H	19.6	20.3	20.1	20.8	21.3	19.1	19.9	19.7	20.4	20.9
	12H	19.9	20.5	20.4	21.0	21.6	19.5	20.1	20.0	20.6	21.2
12H	4H	18.7	19.6	19.2	20.0	20.5	18.1	19.0	18.6	19.5	19.9
	6H	19.3	20.1	19.9	20.5	21.1	18.9	19.6	19.4	20.0	20.6
	8H	19.7	20.3	20.2	20.8	21.4	19.3	19.9	19.8	20.4	21.0













(END OF REPORT)