

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: P1527328

Luminaire Tested: 24CGSB-30-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527328
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-30-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

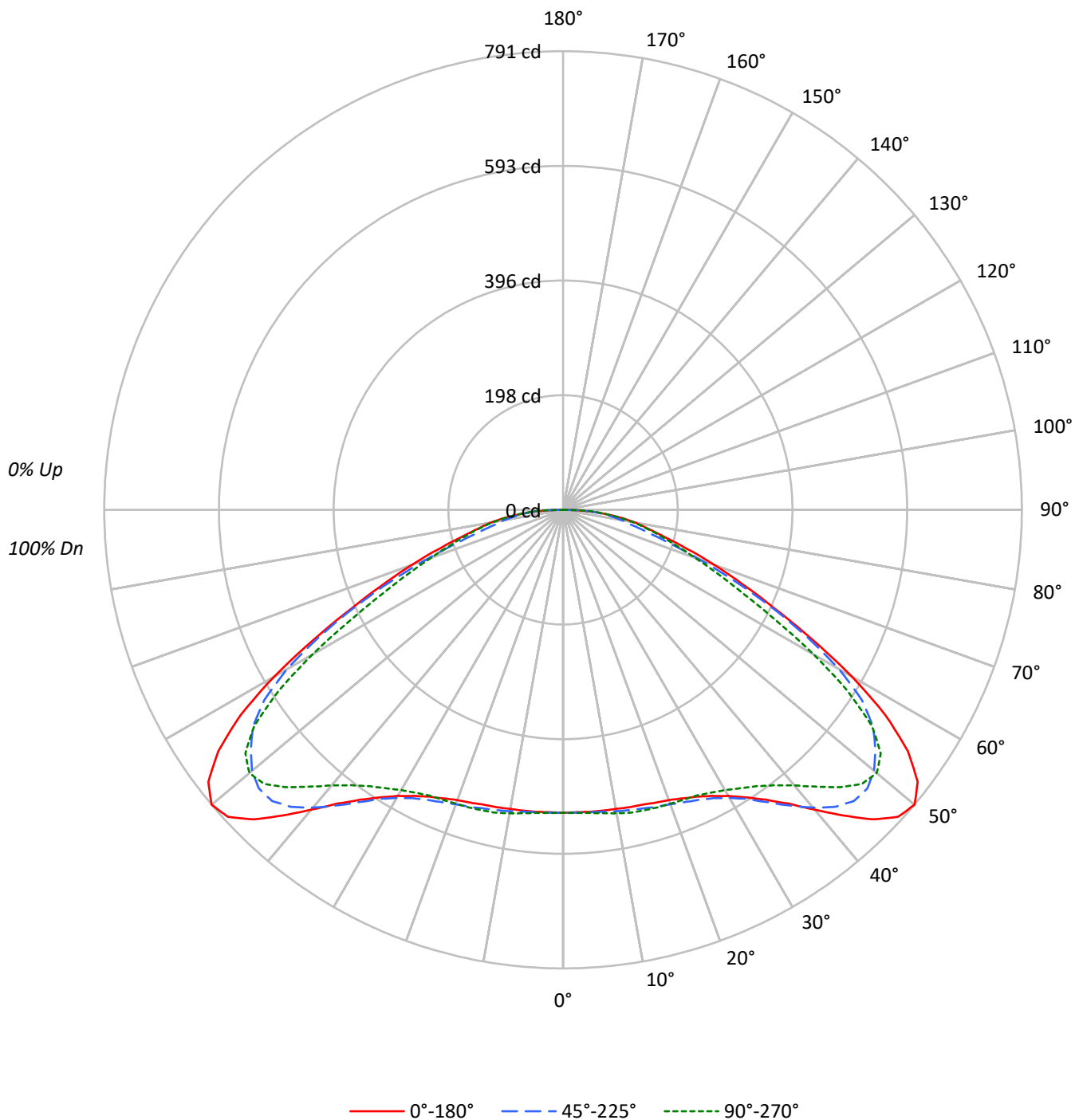
Lumens per Lamp: N/A
Luminaire Lumens: 2607.5 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
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: P1527328

CATALOG NUMBER: 24CGSB-30-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1527328

CATALOG NUMBER: 24CGSB-30-A125-L935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	703	703	703
5°	706	707	709
10°	716	721	726
15°	733	743	748
20°	763	774	772
25°	810	820	808
30°	885	891	867
35°	1003	1011	956
40°	1186	1177	1090
45°	1436	1350	1287
50°	1656	1465	1478
55°	1702	1530	1525
60°	1547	1478	1343
65°	1279	1256	1095
70°	1092	984	952
75°	946	784	901
80°	979	794	948
85°	990	956	1053

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1703 cd/sqm

TEST NUMBER: P1527328

CATALOG NUMBER: 24CGSB-30-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.9
10°-20°	151.2	5.8
20°-30°	255.4	9.8
30°-40°	384.4	14.7
40°-50°	546.6	21.0
50°-60°	586.7	22.5
60°-70°	382.3	14.7
70°-80°	183.8	7.1
80°-90°	66.9	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°	456.7	17.5
0°-40°	841.1	32.3
0°-60°	1974.4	75.7
0°-90°	2607.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2607.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	523	523	524	526	525	50
15°	526	529	533	536	537	150
25°	546	551	552	547	544	254
35°	610	622	616	595	582	387
45°	755	736	710	691	676	580
55°	726	707	652	633	650	635
65°	402	399	395	352	344	407
75°	182	172	151	172	173	200
85°	64	60	62	64	68	70
90°	0	0	0	0	0	

TEST NUMBER: P1527328

CATALOG NUMBER: 24CGSB-30-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	522.4	522.4	522.4	522.4	522.4
2.5°	521.9	522.4	522.8	523.3	523.3
5°	522.8	523.3	523.7	525.5	524.6
7.5°	523.3	523.7	525.1	527.8	527.8
10°	523.7	525.1	527.8	530.5	531.4
12.5°	525.5	526.9	530.5	534.1	535.0
15°	526.4	529.1	533.2	536.3	536.8
17.5°	529.6	532.3	536.8	538.2	538.2
20°	532.7	536.3	540.4	540.4	539.5
22.5°	538.6	542.7	545.8	543.1	541.3
25°	545.8	550.8	552.2	547.2	544.0
27.5°	556.2	562.5	560.7	554.0	549.9
30°	569.8	577.9	573.8	563.9	558.0
32.5°	587.8	597.7	591.0	578.3	569.3
35°	610.4	622.1	615.8	595.0	581.9
37.5°	638.4	650.6	642.9	616.3	598.7
40°	675.0	681.3	670.4	641.5	620.3
42.5°	714.7	711.5	694.8	668.2	647.4
45°	754.9	736.4	709.7	691.2	676.3
47.5°	783.8	749.4	711.5	702.0	699.3
50°	791.0	746.7	699.8	696.2	706.1
52.5°	770.7	732.3	678.6	672.2	690.3
55°	725.5	707.0	652.4	633.4	650.1
57.5°	659.1	657.8	610.8	577.0	581.5
60°	574.7	580.1	549.4	501.6	498.9
62.5°	483.5	486.7	473.1	423.5	414.0
65°	401.8	398.6	394.6	352.1	344.0
67.5°	334.5	325.1	318.7	293.0	288.9
70°	277.7	262.8	250.1	246.1	242.0
72.5°	224.8	214.0	193.7	205.0	204.5
75°	181.9	172.0	150.8	171.6	173.4
77.5°	149.0	142.2	121.9	140.9	146.7
80°	126.4	112.4	102.5	114.7	122.3
82.5°	96.6	85.8	83.5	88.5	95.7
85°	64.1	60.0	61.9	63.7	68.2
87.5°	32.5	34.8	37.5	40.6	42.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527328

CATALOG NUMBER: 24CGSB-30-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	15.2	17.0	15.5	17.3	17.6	14.3	16.0	14.6	16.4	16.7
	3H	16.3	17.9	16.7	18.2	18.6	15.4	17.0	15.8	17.3	17.7
	4H	16.7	18.2	17.1	18.5	18.9	15.9	17.4	16.3	17.7	18.1
	6H	17.0	18.4	17.4	18.8	19.2	16.3	17.7	16.7	18.1	18.5
	8H	17.2	18.5	17.6	18.9	19.3	16.5	17.9	16.9	18.2	18.6
	12H	17.3	18.6	17.7	19.0	19.4	16.7	18.0	17.1	18.4	18.8
4H	2H	15.6	17.1	16.0	17.5	17.8	14.8	16.3	15.2	16.7	17.1
	3H	16.9	18.1	17.3	18.5	18.9	16.1	17.4	16.5	17.8	18.2
	4H	17.4	18.5	17.8	18.9	19.4	16.7	17.9	17.2	18.3	18.7
	6H	17.9	18.9	18.3	19.3	19.8	17.3	18.3	17.8	18.8	19.2
	8H	18.1	19.0	18.5	19.5	19.9	17.6	18.5	18.0	19.0	19.4
	12H	18.3	19.1	18.7	19.6	20.1	17.8	18.7	18.3	19.1	19.6
8H	4H	17.5	18.5	18.0	18.9	19.4	16.9	17.9	17.4	18.3	18.8
	6H	18.1	18.9	18.6	19.4	19.9	17.6	18.4	18.1	18.9	19.4
	8H	18.4	19.1	18.9	19.6	20.1	18.0	18.7	18.5	19.2	19.7
	12H	18.7	19.4	19.2	19.8	20.4	18.3	19.0	18.8	19.5	20.0
12H	4H	17.6	18.4	18.0	18.9	19.4	17.0	17.8	17.4	18.3	18.8
	6H	18.2	18.9	18.7	19.4	19.9	17.7	18.4	18.2	18.9	19.4
	8H	18.5	19.2	19.0	19.7	20.2	18.1	18.8	18.6	19.2	19.8















(END OF REPORT)