

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: P1527329

Luminaire Tested: 24CGSB-30-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527329
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

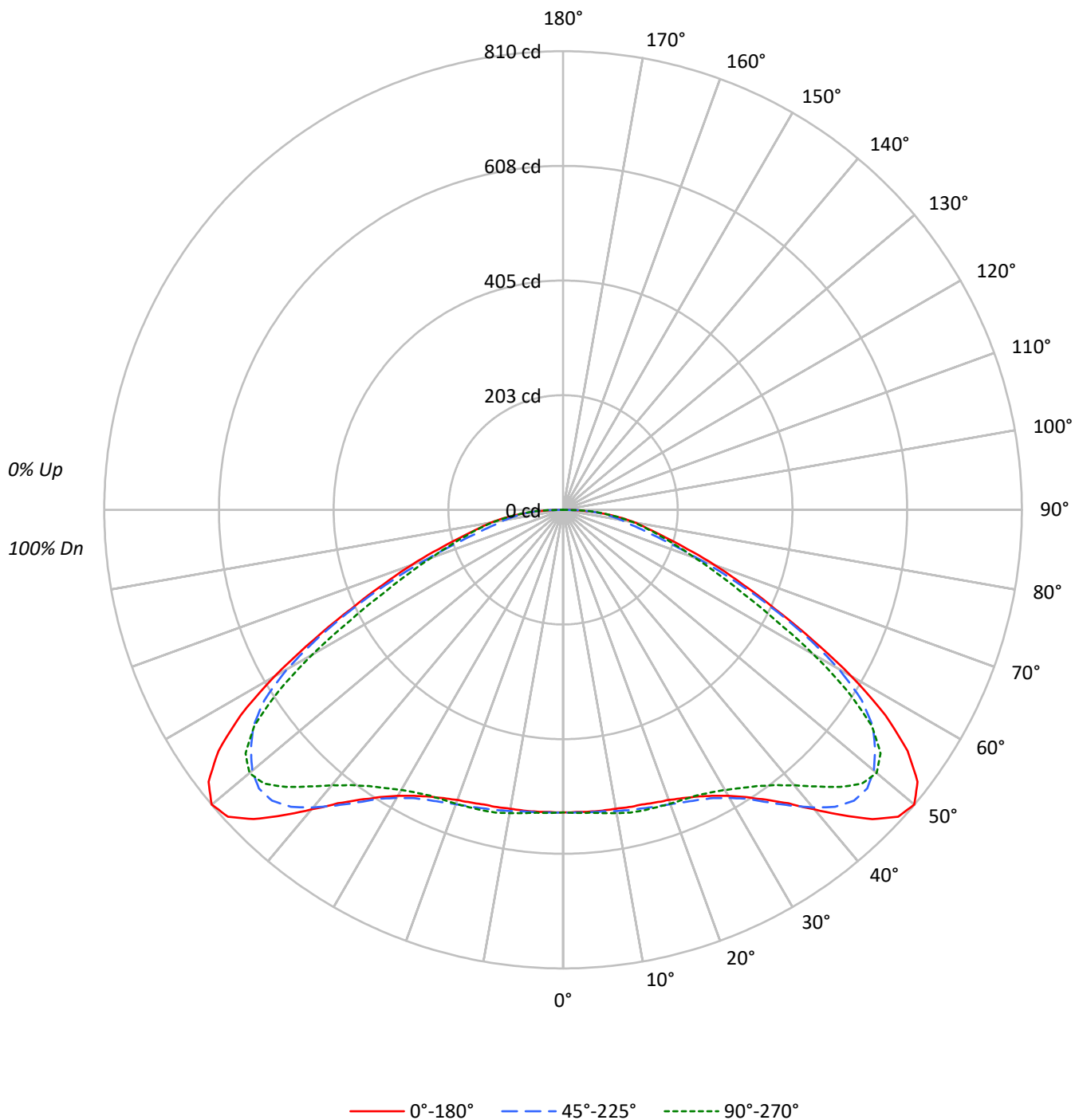
Lumens per Lamp: N/A
Luminaire Lumens: 2668.9 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1527329

CATALOG NUMBER: 24CGSB-30-A125-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1527329

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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		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°	719	719	719
5°	723	724	725
10°	732	738	743
15°	751	760	765
20°	781	792	791
25°	829	839	827
30°	906	912	887
35°	1026	1035	978
40°	1213	1205	1115
45°	1470	1382	1317
50°	1695	1499	1513
55°	1742	1566	1561
60°	1583	1513	1374
65°	1309	1286	1121
70°	1118	1007	974
75°	968	802	922
80°	1003	813	970
85°	1013	977	1078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1743 cd/sqm

TEST NUMBER: P1527329

CATALOG NUMBER: 24CGSB-30-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.9
10°-20°	154.7	5.8
20°-30°	261.4	9.8
30°-40°	393.5	14.7
40°-50°	559.5	21.0
50°-60°	600.5	22.5
60°-70°	391.3	14.7
70°-80°	188.2	7.1
80°-90°	68.5	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°	467.4	17.5
0°-40°	860.9	32.3
0°-60°	2020.9	75.7
0°-90°	2668.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2668.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	535	535	535	535	535	
5°	535	536	536	538	537	51
15°	539	542	546	549	549	153
25°	559	564	565	560	557	260
35°	625	637	630	609	596	397
45°	773	754	726	708	692	593
55°	743	724	668	648	665	650
65°	411	408	404	360	352	416
75°	186	176	154	176	177	205
85°	66	62	63	65	70	71
90°	0	0	0	0	0	

TEST NUMBER: P1527329

CATALOG NUMBER: 24CGSB-30-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	534.6	534.6	534.6	534.6	534.6
2.5°	534.2	534.6	535.1	535.6	535.6
5°	535.1	535.6	536.0	537.9	537.0
7.5°	535.6	536.0	537.4	540.2	540.2
10°	536.0	537.4	540.2	543.0	543.9
12.5°	537.9	539.3	543.0	546.7	547.6
15°	538.8	541.6	545.7	549.0	549.4
17.5°	542.0	544.8	549.4	550.8	550.8
20°	545.3	549.0	553.1	553.1	552.2
22.5°	551.3	555.4	558.7	555.9	554.1
25°	558.7	563.8	565.1	560.1	556.8
27.5°	569.3	575.8	573.9	567.0	562.8
30°	583.2	591.5	587.3	577.2	571.1
32.5°	601.6	611.8	604.9	591.9	582.7
35°	624.8	636.8	630.3	609.0	595.6
37.5°	653.4	665.9	658.0	630.8	612.7
40°	690.8	697.3	686.2	656.6	634.9
42.5°	731.5	728.3	711.2	683.9	662.6
45°	772.6	753.7	726.4	707.5	692.2
47.5°	802.2	767.1	728.3	718.6	715.8
50°	809.6	764.3	716.2	712.6	722.7
52.5°	788.8	749.5	694.5	688.1	706.5
55°	742.6	723.6	667.7	648.3	665.4
57.5°	674.7	673.3	625.2	590.6	595.2
60°	588.2	593.8	562.4	513.4	510.6
62.5°	494.9	498.1	484.3	433.4	423.7
65°	411.3	408.0	403.9	360.4	352.1
67.5°	342.4	332.7	326.2	299.9	295.7
70°	284.2	268.9	256.0	251.8	247.7
72.5°	230.1	219.0	198.2	209.8	209.3
75°	186.2	176.1	154.3	175.6	177.4
77.5°	152.5	145.6	124.8	144.2	150.2
80°	129.4	115.1	104.9	117.4	125.2
82.5°	98.9	87.8	85.5	90.6	98.0
85°	65.6	61.5	63.3	65.2	69.8
87.5°	33.3	35.6	38.4	41.6	43.9
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	15.3	17.0	15.6	17.3	17.7	14.3	16.1	14.7	16.4	16.8
	3H	16.4	18.0	16.7	18.3	18.7	15.5	17.1	15.9	17.4	17.8
	4H	16.7	18.3	17.1	18.6	19.0	15.9	17.5	16.3	17.8	18.2
	6H	17.1	18.5	17.5	18.9	19.3	16.4	17.8	16.8	18.2	18.5
	8H	17.3	18.6	17.7	19.0	19.4	16.6	17.9	17.0	18.3	18.7
	12H	17.4	18.7	17.8	19.1	19.5	16.8	18.1	17.2	18.4	18.9
4H	2H	15.7	17.2	16.1	17.5	17.9	14.9	16.4	15.3	16.8	17.1
	3H	16.9	18.2	17.3	18.6	19.0	16.2	17.5	16.6	17.9	18.3
	4H	17.4	18.6	17.9	19.0	19.4	16.8	18.0	17.2	18.4	18.8
	6H	17.9	19.0	18.4	19.4	19.8	17.4	18.4	17.8	18.8	19.3
	8H	18.2	19.1	18.6	19.6	20.0	17.6	18.6	18.1	19.0	19.5
	12H	18.4	19.2	18.8	19.7	20.2	17.9	18.8	18.4	19.2	19.7
8H	4H	17.6	18.6	18.1	19.0	19.5	17.0	18.0	17.5	18.4	18.9
	6H	18.2	19.0	18.7	19.5	20.0	17.7	18.5	18.2	19.0	19.5
	8H	18.5	19.2	19.0	19.7	20.2	18.1	18.8	18.6	19.3	19.8
	12H	18.8	19.4	19.3	19.9	20.5	18.4	19.1	18.9	19.6	20.1
12H	4H	17.6	18.5	18.1	19.0	19.4	17.0	17.9	17.5	18.4	18.9
	6H	18.3	19.0	18.8	19.4	20.0	17.8	18.5	18.3	19.0	19.5
	8H	18.6	19.3	19.1	19.7	20.3	18.2	18.8	18.7	19.3	19.9















(END OF REPORT)