

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: P1527324

Luminaire Tested: 24CGSB-30-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527324
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

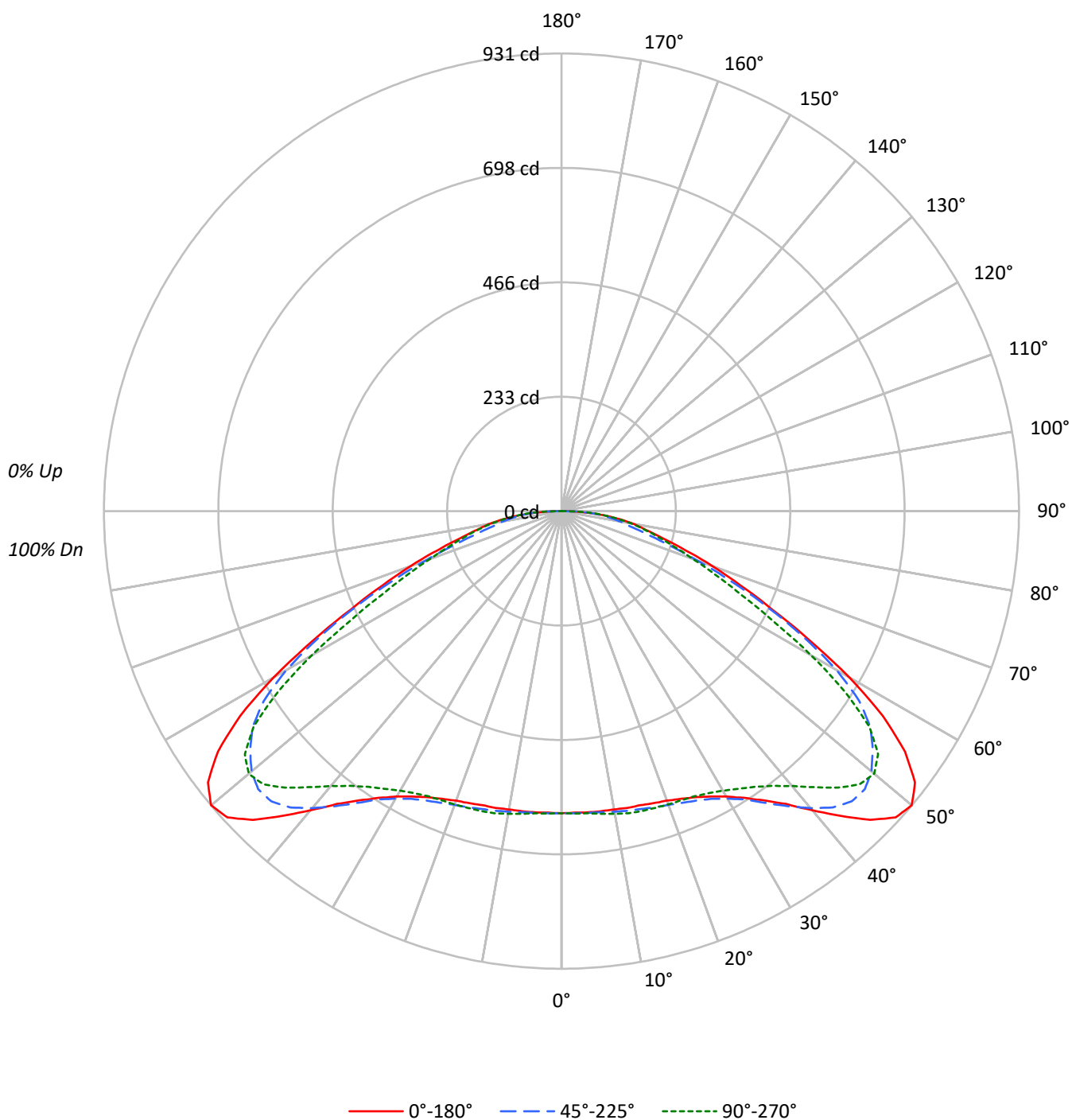
Lumens per Lamp: N/A
Luminaire Lumens: 3067.7 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): =20%
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		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°	827	827	827
5°	831	832	834
10°	842	848	854
15°	863	874	880
20°	897	910	909
25°	953	964	950
30°	1041	1049	1020
35°	1180	1190	1124
40°	1395	1385	1282
45°	1690	1589	1514
50°	1948	1723	1739
55°	2002	1800	1794
60°	1819	1739	1579
65°	1505	1478	1288
70°	1285	1158	1120
75°	1113	922	1061
80°	1152	934	1115
85°	1164	1124	1238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.9
10°-20°	177.9	5.8
20°-30°	300.4	9.8
30°-40°	452.3	14.7
40°-50°	643.1	21.0
50°-60°	690.2	22.5
60°-70°	449.8	14.7
70°-80°	216.3	7.1
80°-90°	78.7	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°	537.3	17.5
0°-40°	989.6	32.3
0°-60°	2322.9	75.7
0°-90°	3067.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	615	616	616	618	617	59
15°	619	622	627	631	632	176
25°	642	648	650	644	640	299
35°	718	732	724	700	685	456
45°	888	866	835	813	796	682
55°	854	832	768	745	765	747
65°	473	469	464	414	405	478
75°	214	202	177	202	204	235
85°	75	71	73	75	80	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	614.5	614.5	614.5	614.5	614.5
2.5°	614.0	614.5	615.1	615.6	615.6
5°	615.1	615.6	616.1	618.3	617.2
7.5°	615.6	616.1	617.7	620.9	620.9
10°	616.1	617.7	620.9	624.1	625.2
12.5°	618.3	619.8	624.1	628.3	629.4
15°	619.3	622.5	627.3	631.0	631.5
17.5°	623.0	626.2	631.5	633.1	633.1
20°	626.7	631.0	635.8	635.8	634.7
22.5°	633.7	638.4	642.2	639.0	636.8
25°	642.2	648.0	649.6	643.7	640.0
27.5°	654.4	661.8	659.7	651.7	646.9
30°	670.3	679.9	675.1	663.4	656.5
32.5°	691.5	703.2	695.3	680.4	669.8
35°	718.1	731.9	724.5	700.0	684.6
37.5°	751.0	765.4	756.3	725.0	704.3
40°	794.1	801.5	788.7	754.8	729.8
42.5°	840.8	837.1	817.4	786.1	761.7
45°	888.1	866.3	835.0	813.2	795.7
47.5°	922.1	881.7	837.1	825.9	822.7
50°	930.6	878.5	823.3	819.0	830.7
52.5°	906.7	861.5	798.3	790.9	812.1
55°	853.5	831.8	767.5	745.2	764.8
57.5°	775.5	773.9	718.6	678.8	684.1
60°	676.1	682.5	646.4	590.1	586.9
62.5°	568.9	572.6	556.6	498.2	487.1
65°	472.7	469.0	464.2	414.3	404.7
67.5°	393.6	382.4	375.0	344.7	339.9
70°	326.7	309.1	294.3	289.5	284.7
72.5°	264.5	251.8	227.9	241.1	240.6
75°	214.1	202.4	177.4	201.8	204.0
77.5°	175.3	167.3	143.4	165.7	172.6
80°	148.7	132.3	120.6	134.9	143.9
82.5°	113.7	100.9	98.3	104.1	112.6
85°	75.4	70.6	72.8	74.9	80.2
87.5°	38.2	40.9	44.1	47.8	50.5
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	15.7	17.5	16.1	17.8	18.1	14.8	16.6	15.2	16.9	17.2
	3H	16.8	18.5	17.2	18.8	19.1	16.0	17.6	16.3	17.9	18.3
	4H	17.2	18.8	17.6	19.1	19.5	16.4	17.9	16.8	18.3	18.7
	6H	17.6	19.0	18.0	19.4	19.8	16.9	18.3	17.3	18.6	19.0
	8H	17.7	19.1	18.2	19.5	19.9	17.1	18.4	17.5	18.8	19.2
	12H	17.9	19.2	18.3	19.6	20.0	17.2	18.5	17.7	18.9	19.3
4H	2H	16.1	17.7	16.5	18.0	18.4	15.4	16.9	15.8	17.3	17.6
	3H	17.4	18.7	17.8	19.1	19.5	16.7	18.0	17.1	18.4	18.8
	4H	17.9	19.1	18.4	19.5	19.9	17.3	18.4	17.7	18.9	19.3
	6H	18.4	19.4	18.9	19.9	20.3	17.9	18.9	18.3	19.3	19.8
	8H	18.6	19.6	19.1	20.0	20.5	18.1	19.1	18.6	19.5	20.0
	12H	18.8	19.7	19.3	20.2	20.6	18.4	19.2	18.8	19.7	20.2
8H	4H	18.1	19.0	18.5	19.5	19.9	17.5	18.5	18.0	18.9	19.4
	6H	18.7	19.5	19.2	20.0	20.4	18.2	19.0	18.7	19.5	20.0
	8H	19.0	19.7	19.5	20.2	20.7	18.6	19.3	19.1	19.8	20.3
	12H	19.3	19.9	19.8	20.4	21.0	18.9	19.6	19.4	20.0	20.6
12H	4H	18.1	19.0	18.6	19.5	19.9	17.5	18.4	18.0	18.9	19.3
	6H	18.8	19.5	19.3	19.9	20.5	18.3	19.0	18.8	19.5	20.0
	8H	19.1	19.7	19.6	20.2	20.8	18.7	19.3	19.2	19.8	20.4











(END OF REPORT)