

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: P1527326

Luminaire Tested: 24CGSB-30-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527326
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

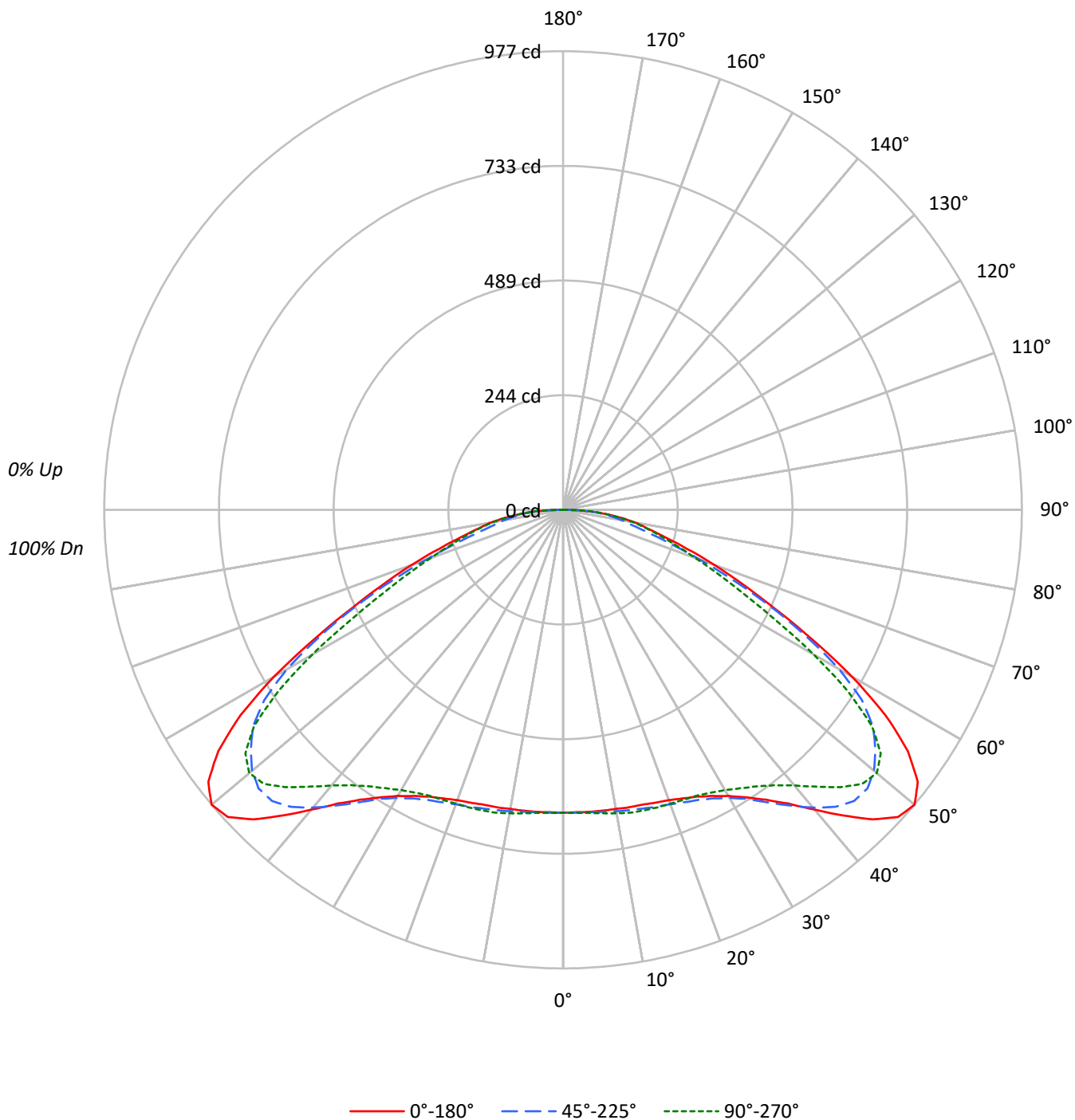
Lumens per Lamp: N/A
Luminaire Lumens: 3221.1 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	868	868	868
5°	872	874	875
10°	884	891	897
15°	906	917	924
20°	942	956	954
25°	1001	1013	998
30°	1093	1101	1071
35°	1238	1249	1181
40°	1464	1455	1346
45°	1774	1668	1590
50°	2045	1809	1826
55°	2102	1890	1884
60°	1911	1826	1658
65°	1580	1552	1353
70°	1349	1216	1176
75°	1169	968	1114
80°	1210	981	1171
85°	1223	1179	1300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2104 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.9
10°-20°	186.8	5.8
20°-30°	315.5	9.8
30°-40°	474.9	14.7
40°-50°	675.3	21.0
50°-60°	724.7	22.5
60°-70°	472.3	14.7
70°-80°	227.1	7.1
80°-90°	82.7	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°	564.2	17.5
0°-40°	1039.0	32.3
0°-60°	2439.0	75.7
0°-90°	3221.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3221.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	646	646	647	649	648	62
15°	650	654	659	662	663	185
25°	674	680	682	676	672	314
35°	754	768	761	735	719	479
45°	932	910	877	854	835	716
55°	896	873	806	782	803	784
65°	496	492	487	435	425	502
75°	225	212	186	212	214	247
85°	79	74	76	79	84	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	645.3	645.3	645.3	645.3	645.3
2.5°	644.7	645.3	645.8	646.4	646.4
5°	645.8	646.4	646.9	649.2	648.0
7.5°	646.4	646.9	648.6	652.0	652.0
10°	646.9	648.6	652.0	655.3	656.4
12.5°	649.2	650.8	655.3	659.8	660.9
15°	650.3	653.6	658.6	662.5	663.1
17.5°	654.2	657.5	663.1	664.8	664.8
20°	658.1	662.5	667.6	667.6	666.5
22.5°	665.3	670.4	674.3	670.9	668.7
25°	674.3	680.4	682.1	675.9	672.0
27.5°	687.1	694.9	692.7	684.3	679.3
30°	703.8	713.9	708.8	696.6	689.3
32.5°	726.1	738.4	730.0	714.4	703.3
35°	754.0	768.5	760.7	735.0	718.9
37.5°	788.6	803.6	794.2	761.3	739.5
40°	833.8	841.6	828.2	792.5	766.3
42.5°	882.8	878.9	858.3	825.4	799.7
45°	932.5	909.6	876.7	853.8	835.4
47.5°	968.2	925.8	878.9	867.2	863.9
50°	977.1	922.4	864.4	860.0	872.2
52.5°	952.0	904.6	838.2	830.4	852.7
55°	896.2	873.4	805.9	782.5	803.1
57.5°	814.2	812.6	754.6	712.7	718.3
60°	710.0	716.6	678.7	619.6	616.3
62.5°	597.3	601.2	584.5	523.1	511.4
65°	496.4	492.4	487.4	435.0	425.0
67.5°	413.3	401.5	393.7	361.9	356.9
70°	343.0	324.6	309.0	303.9	298.9
72.5°	277.7	264.4	239.3	253.2	252.6
75°	224.8	212.5	186.3	211.9	214.2
77.5°	184.0	175.7	150.6	174.0	181.3
80°	156.2	138.9	126.6	141.7	151.1
82.5°	119.3	106.0	103.2	109.3	118.2
85°	79.2	74.2	76.4	78.6	84.2
87.5°	40.2	42.9	46.3	50.2	53.0
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	15.9	17.7	16.3	18.0	18.3	15.0	16.8	15.4	17.1	17.4
	3H	17.0	18.6	17.4	18.9	19.3	16.1	17.7	16.5	18.1	18.4
	4H	17.4	18.9	17.8	19.3	19.6	16.6	18.1	17.0	18.5	18.8
	6H	17.8	19.2	18.2	19.5	19.9	17.0	18.5	17.4	18.8	19.2
	8H	17.9	19.3	18.3	19.7	20.1	17.2	18.6	17.7	19.0	19.4
	12H	18.0	19.4	18.5	19.7	20.2	17.4	18.7	17.8	19.1	19.5
4H	2H	16.3	17.8	16.7	18.2	18.6	15.6	17.1	16.0	17.4	17.8
	3H	17.6	18.9	18.0	19.3	19.7	16.9	18.2	17.3	18.6	18.9
	4H	18.1	19.3	18.5	19.7	20.1	17.5	18.6	17.9	19.0	19.5
	6H	18.6	19.6	19.0	20.0	20.5	18.0	19.1	18.5	19.5	19.9
	8H	18.8	19.8	19.3	20.2	20.7	18.3	19.2	18.8	19.7	20.2
	12H	19.0	19.9	19.5	20.3	20.8	18.5	19.4	19.0	19.9	20.3
8H	4H	18.3	19.2	18.7	19.7	20.1	17.7	18.6	18.1	19.1	19.5
	6H	18.9	19.7	19.3	20.1	20.6	18.4	19.2	18.9	19.7	20.1
	8H	19.2	19.9	19.7	20.4	20.9	18.7	19.4	19.2	19.9	20.4
	12H	19.4	20.1	20.0	20.6	21.1	19.1	19.7	19.6	20.2	20.8
12H	4H	18.3	19.2	18.8	19.6	20.1	17.7	18.6	18.2	19.0	19.5
	6H	18.9	19.6	19.4	20.1	20.6	18.4	19.2	19.0	19.6	20.2
	8H	19.3	19.9	19.8	20.4	20.9	18.8	19.5	19.3	20.0	20.5











(END OF REPORT)