

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: P1527262

Luminaire Tested: 22CGSB-30-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-30-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

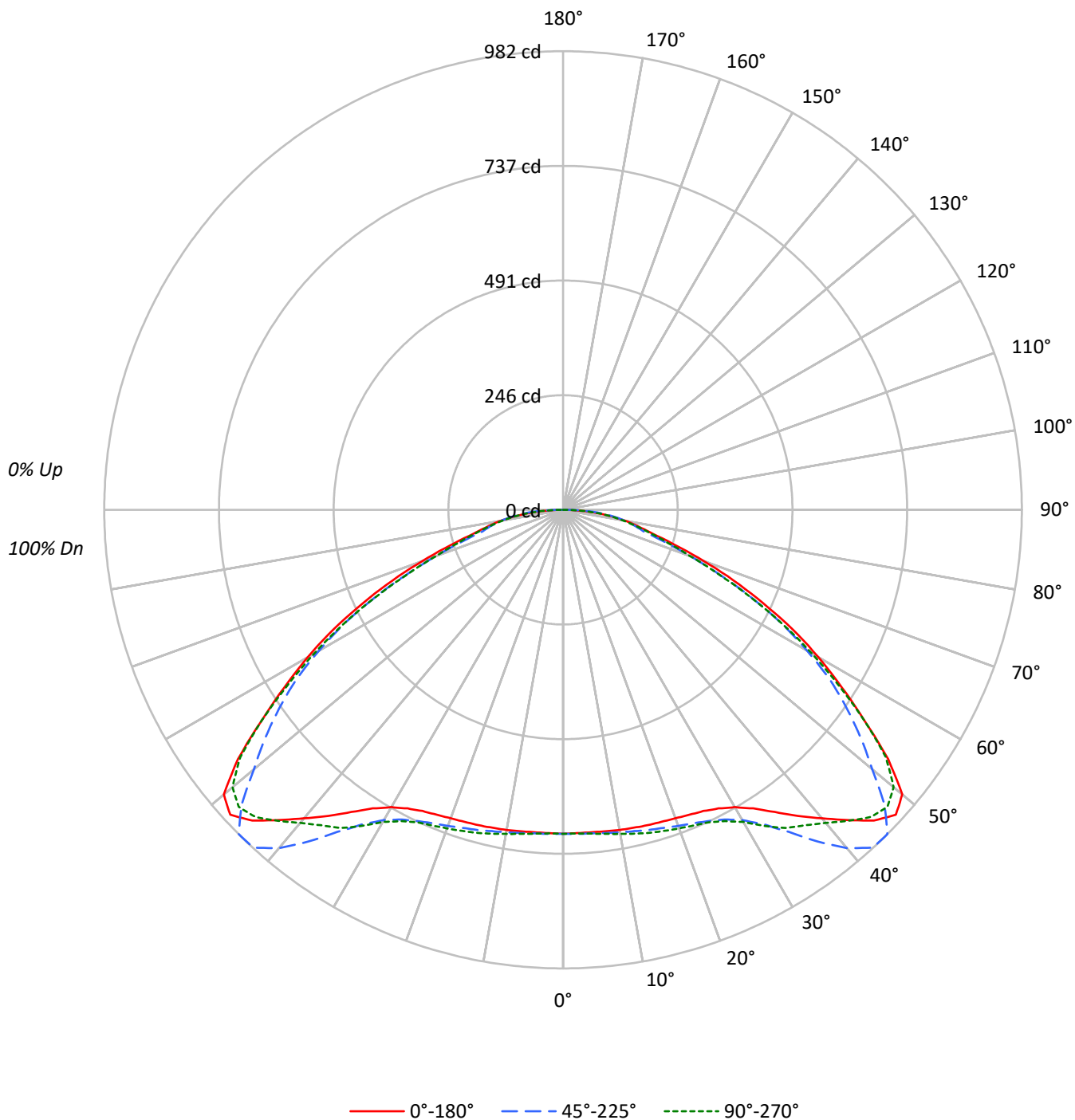
Lumens per Lamp: N/A
Luminaire Lumens: 3281.4 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.9
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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1866	1866	1866
5°	1872	1878	1880
10°	1902	1915	1926
15°	1948	1977	1994
20°	2013	2062	2078
25°	2113	2183	2192
30°	2284	2382	2398
35°	2594	2765	2733
40°	3028	3320	3074
45°	3580	3736	3540
50°	3967	3615	3866
55°	3699	3481	3696
60°	3395	3249	3309
65°	3004	2833	2830
70°	2516	2268	2272
75°	2069	1856	2005
80°	2103	2094	2007
85°	2066	2489	2106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3967 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	2.0
10°-20°	201.1	6.1
20°-30°	340.0	10.4
30°-40°	522.9	15.9
40°-50°	726.6	22.1
50°-60°	684.0	20.8
60°-70°	451.7	13.8
70°-80°	209.9	6.4
80°-90°	78.6	2.4
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°	607.7	18.5
0°-40°	1130.6	34.5
0°-60°	2541.2	77.4
0°-90°	3281.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3281.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	693	695	695	697	696	66
15°	699	702	710	715	716	198
25°	712	721	735	739	738	331
35°	790	818	842	839	832	500
45°	941	974	982	958	930	720
55°	788	777	742	767	788	706
65°	472	467	445	452	444	468
75°	199	192	178	184	193	223
85°	67	77	81	78	68	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.5	693.5	693.5	693.5	693.5
2.5°	692.9	694.2	694.8	695.4	693.5
5°	692.9	694.8	695.4	696.6	696.0
7.5°	694.2	696.0	697.9	699.1	699.7
10°	696.0	697.9	701.0	704.7	704.7
12.5°	697.3	700.4	704.7	709.7	710.3
15°	699.1	702.2	709.7	714.6	715.9
17.5°	700.4	705.3	714.0	720.2	720.8
20°	702.8	708.4	720.2	725.8	725.8
22.5°	706.6	714.0	726.4	731.4	731.4
25°	711.5	720.8	735.1	739.4	738.2
27.5°	720.8	732.0	747.5	752.4	751.2
30°	735.1	749.9	766.7	772.9	771.6
32.5°	758.0	776.6	797.7	803.3	802.6
35°	789.6	817.5	841.7	838.6	831.8
37.5°	826.2	867.7	895.0	865.9	851.0
40°	862.1	918.5	945.2	898.1	875.1
42.5°	900.6	958.2	981.1	935.3	903.0
45°	940.8	974.3	981.8	958.2	930.3
47.5°	966.3	948.9	932.8	947.0	941.5
50°	947.7	889.4	863.4	890.6	923.5
52.5°	877.0	834.2	803.9	829.3	870.8
55°	788.4	777.2	741.9	767.3	787.8
57.5°	707.2	715.9	677.4	696.6	699.7
60°	630.9	637.1	603.7	619.8	614.8
62.5°	553.5	554.1	528.1	537.4	529.9
65°	471.7	467.3	445.0	451.8	444.4
67.5°	394.8	384.9	363.8	366.9	360.1
70°	319.8	308.0	288.2	292.5	288.8
72.5°	252.9	243.6	226.2	231.8	235.5
75°	199.0	191.5	178.5	184.1	192.8
77.5°	164.9	155.6	156.8	153.1	159.3
80°	135.7	130.2	135.1	131.4	129.5
82.5°	101.0	106.6	108.5	110.3	101.0
85°	66.9	76.9	80.6	78.1	68.2
87.5°	32.8	41.5	42.8	42.1	35.3
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	17.4	19.1	17.8	19.5	19.8	17.2	19.0	17.6	19.3	19.6
	3H	18.7	20.3	19.0	20.6	20.9	18.4	20.0	18.8	20.3	20.7
	4H	19.1	20.6	19.5	20.9	21.3	18.8	20.3	19.2	20.6	21.0
	6H	19.4	20.8	19.8	21.2	21.5	19.1	20.5	19.5	20.9	21.3
	8H	19.5	20.9	20.0	21.3	21.7	19.3	20.6	19.7	21.0	21.4
	12H	19.7	20.9	20.1	21.3	21.8	19.4	20.7	19.8	21.1	21.5
4H	2H	17.8	19.3	18.2	19.7	20.1	17.7	19.2	18.1	19.5	19.9
	3H	19.3	20.5	19.7	20.9	21.3	19.0	20.3	19.4	20.7	21.1
	4H	19.8	20.9	20.2	21.3	21.8	19.5	20.7	20.0	21.1	21.5
	6H	20.3	21.3	20.7	21.7	22.1	20.0	21.0	20.5	21.5	21.9
	8H	20.5	21.4	20.9	21.8	22.3	20.3	21.2	20.7	21.6	22.1
	12H	20.7	21.5	21.1	22.0	22.4	20.5	21.3	20.9	21.8	22.2
8H	4H	20.0	20.9	20.4	21.3	21.8	19.7	20.7	20.2	21.1	21.6
	6H	20.6	21.4	21.1	21.8	22.3	20.4	21.1	20.9	21.6	22.1
	8H	20.9	21.6	21.4	22.1	22.6	20.7	21.4	21.2	21.9	22.4
	12H	21.2	21.8	21.7	22.3	22.8	21.0	21.7	21.5	22.1	22.7
12H	4H	20.0	20.8	20.5	21.3	21.8	19.8	20.6	20.2	21.1	21.6
	6H	20.6	21.4	21.2	21.8	22.3	20.5	21.2	21.0	21.6	22.1
	8H	21.0	21.6	21.5	22.1	22.7	20.8	21.5	21.4	22.0	22.5















(END OF REPORT)