

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: P1527265

Luminaire Tested: 22CGSB-30-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527265
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

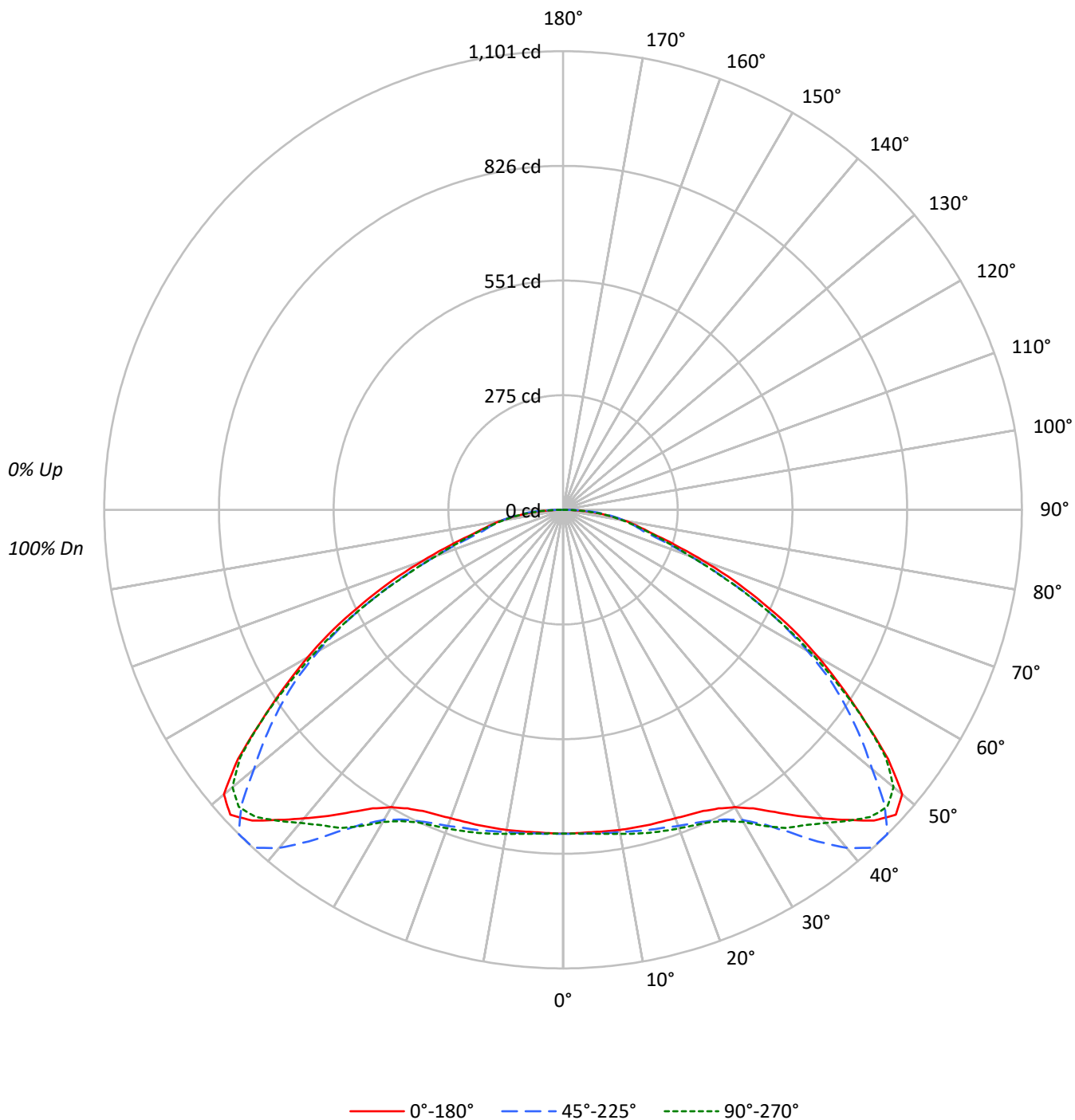
Lumens per Lamp: N/A
Luminaire Lumens: 3678.6 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	2092	2092	2092
5°	2098	2106	2108
10°	2132	2147	2159
15°	2184	2216	2236
20°	2256	2312	2330
25°	2368	2447	2457
30°	2561	2671	2688
35°	2908	3100	3063
40°	3395	3722	3446
45°	4014	4188	3969
50°	4448	4052	4334
55°	4146	3902	4143
60°	3807	3642	3710
65°	3367	3177	3172
70°	2821	2542	2548
75°	2319	2080	2247
80°	2359	2348	2250
85°	2316	2788	2359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	2.0
10°-20°	225.5	6.1
20°-30°	381.2	10.4
30°-40°	586.1	15.9
40°-50°	814.6	22.1
50°-60°	766.8	20.8
60°-70°	506.4	13.8
70°-80°	235.3	6.4
80°-90°	88.1	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°	681.3	18.5
0°-40°	1267.4	34.5
0°-60°	2848.8	77.4
0°-90°	3678.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3678.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	777	779	780	781	780	74
15°	784	787	796	801	802	222
25°	798	808	824	829	828	371
35°	885	916	944	940	932	560
45°	1055	1092	1101	1074	1043	807
55°	884	871	832	860	883	792
65°	529	524	499	506	498	525
75°	223	215	200	206	216	250
85°	75	86	90	88	76	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	777.5	777.5	777.5	777.5	777.5
2.5°	776.8	778.2	778.9	779.6	777.5
5°	776.8	778.9	779.6	781.0	780.3
7.5°	778.2	780.3	782.4	783.8	784.4
10°	780.3	782.4	785.8	790.0	790.0
12.5°	781.7	785.1	790.0	795.6	796.3
15°	783.8	787.2	795.6	801.1	802.5
17.5°	785.1	790.7	800.4	807.4	808.1
20°	787.9	794.2	807.4	813.6	813.6
22.5°	792.1	800.4	814.3	819.9	819.9
25°	797.6	808.1	824.1	828.9	827.5
27.5°	808.1	820.6	837.9	843.5	842.1
30°	824.1	840.7	859.5	866.4	865.0
32.5°	849.8	870.6	894.2	900.5	899.8
35°	885.2	916.5	943.6	940.1	932.4
37.5°	926.2	972.7	1003.3	970.7	954.0
40°	966.5	1029.7	1059.6	1006.8	981.1
42.5°	1009.6	1074.2	1099.9	1048.5	1012.3
45°	1054.7	1092.2	1100.6	1074.2	1042.9
47.5°	1083.2	1063.8	1045.7	1061.7	1055.4
50°	1062.4	997.1	967.9	998.4	1035.3
52.5°	983.2	935.2	901.2	929.7	976.2
55°	883.8	871.3	831.7	860.2	883.1
57.5°	792.8	802.5	759.4	781.0	784.4
60°	707.3	714.3	676.7	694.8	689.3
62.5°	620.5	621.2	592.0	602.4	594.1
65°	528.8	523.9	498.9	506.5	498.2
67.5°	442.6	431.5	407.9	411.3	403.7
70°	358.5	345.3	323.1	328.0	323.8
72.5°	283.5	273.1	253.6	259.9	264.0
75°	223.0	214.7	200.1	206.4	216.1
77.5°	184.8	174.4	175.8	171.6	178.6
80°	152.2	145.9	151.5	147.3	145.2
82.5°	113.3	119.5	121.6	123.7	113.3
85°	75.0	86.2	90.3	87.5	76.4
87.5°	36.8	46.6	47.9	47.2	39.6
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	17.8	19.5	18.2	19.9	20.2	17.6	19.4	18.0	19.7	20.0
	3H	19.1	20.6	19.4	21.0	21.3	18.8	20.4	19.2	20.7	21.1
	4H	19.5	20.9	19.8	21.3	21.7	19.2	20.7	19.6	21.0	21.4
	6H	19.8	21.2	20.2	21.5	21.9	19.5	20.9	19.9	21.3	21.7
	8H	19.9	21.3	20.4	21.7	22.1	19.7	21.0	20.1	21.4	21.8
	12H	20.1	21.3	20.5	21.7	22.1	19.8	21.1	20.2	21.5	21.9
4H	2H	18.2	19.7	18.6	20.1	20.5	18.1	19.6	18.5	19.9	20.3
	3H	19.7	20.9	20.1	21.3	21.7	19.4	20.7	19.8	21.1	21.5
	4H	20.2	21.3	20.6	21.7	22.2	19.9	21.1	20.4	21.5	21.9
	6H	20.7	21.6	21.1	22.1	22.5	20.4	21.4	20.9	21.8	22.3
	8H	20.9	21.8	21.3	22.2	22.7	20.6	21.6	21.1	22.0	22.5
	12H	21.1	21.9	21.5	22.4	22.8	20.9	21.7	21.3	22.2	22.6
8H	4H	20.4	21.3	20.8	21.7	22.2	20.1	21.1	20.6	21.5	22.0
	6H	21.0	21.7	21.5	22.2	22.7	20.8	21.5	21.3	22.0	22.5
	8H	21.3	22.0	21.8	22.5	23.0	21.1	21.8	21.6	22.3	22.8
	12H	21.6	22.2	22.1	22.7	23.2	21.4	22.1	21.9	22.5	23.1
12H	4H	20.4	21.2	20.9	21.7	22.2	20.2	21.0	20.6	21.5	21.9
	6H	21.0	21.8	21.6	22.2	22.7	20.8	21.6	21.4	22.0	22.5
	8H	21.4	22.0	21.9	22.5	23.1	21.2	21.9	21.7	22.4	22.9















(END OF REPORT)