

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: P1527341

Luminaire Tested: 24CGSB-40-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527341
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-40-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

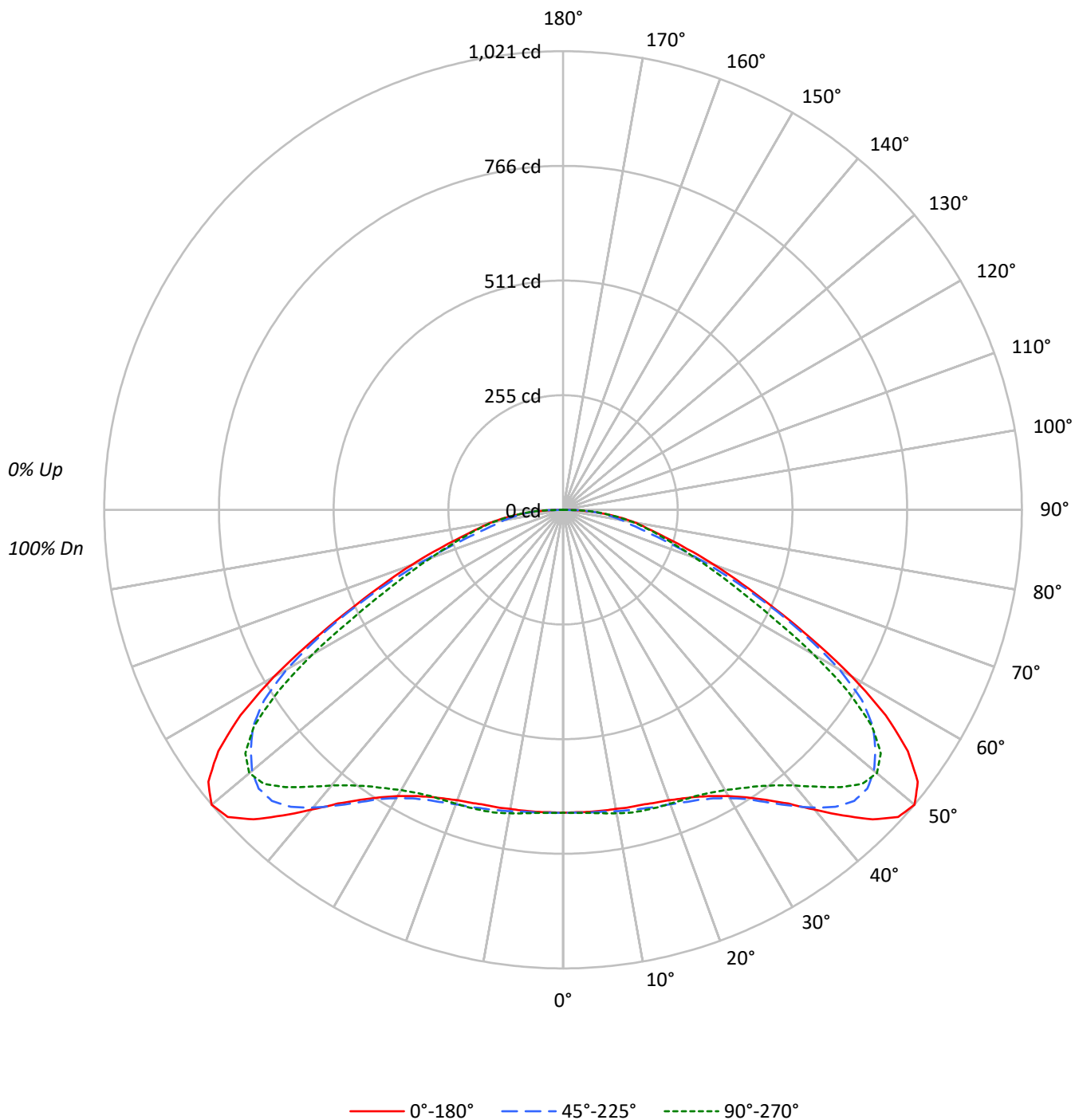
Lumens per Lamp: N/A
Luminaire Lumens: 3366.3 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	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°	907	907	907
5°	912	913	915
10°	924	931	937
15°	947	959	965
20°	985	999	997
25°	1046	1058	1043
30°	1143	1151	1119
35°	1294	1306	1234
40°	1531	1520	1407
45°	1854	1743	1661
50°	2137	1891	1908
55°	2197	1976	1969
60°	1997	1909	1733
65°	1651	1622	1414
70°	1410	1270	1229
75°	1221	1012	1163
80°	1265	1025	1224
85°	1278	1232	1359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2199 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	1.9
10°-20°	195.2	5.8
20°-30°	329.7	9.8
30°-40°	496.3	14.7
40°-50°	705.7	21.0
50°-60°	757.4	22.5
60°-70°	493.6	14.7
70°-80°	237.3	7.1
80°-90°	86.4	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°	589.6	17.5
0°-40°	1085.9	32.3
0°-60°	2549.0	75.7
0°-90°	3366.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	674	674	674	674	674	
5°	675	676	676	678	677	64
15°	680	683	688	692	693	193
25°	705	711	713	706	702	328
35°	788	803	795	768	751	500
45°	974	951	916	892	873	748
55°	937	913	842	818	839	819
65°	519	515	509	455	444	525
75°	235	222	195	222	224	258
85°	83	78	80	82	88	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	674.4	674.4	674.4	674.4	674.4
2.5°	673.8	674.4	674.9	675.5	675.5
5°	674.9	675.5	676.1	678.4	677.3
7.5°	675.5	676.1	677.8	681.3	681.3
10°	676.1	677.8	681.3	684.8	686.0
12.5°	678.4	680.2	684.8	689.5	690.7
15°	679.6	683.1	688.3	692.4	693.0
17.5°	683.7	687.2	693.0	694.8	694.8
20°	687.8	692.4	697.7	697.7	696.5
22.5°	695.3	700.6	704.7	701.2	698.8
25°	704.7	711.1	712.8	706.4	702.3
27.5°	718.1	726.2	723.9	715.2	709.9
30°	735.6	746.0	740.8	728.0	720.4
32.5°	758.9	771.7	762.9	746.6	735.0
35°	788.0	803.2	795.0	768.2	751.3
37.5°	824.1	839.9	830.0	795.6	772.9
40°	871.4	879.5	865.5	828.2	800.8
42.5°	922.6	918.6	897.0	862.6	835.8
45°	974.5	950.6	916.2	892.3	873.1
47.5°	1011.8	967.5	918.6	906.3	902.8
50°	1021.1	964.0	903.4	898.7	911.6
52.5°	994.9	945.4	876.0	867.9	891.2
55°	936.6	912.7	842.2	817.7	839.3
57.5°	851.0	849.2	788.6	744.9	750.7
60°	742.0	749.0	709.3	647.5	644.0
62.5°	624.2	628.3	610.8	546.7	534.5
65°	518.7	514.7	509.4	454.6	444.1
67.5°	431.9	419.6	411.5	378.3	373.0
70°	358.5	339.2	322.9	317.7	312.4
72.5°	290.3	276.3	250.0	264.6	264.0
75°	234.9	222.1	194.7	221.5	223.8
77.5°	192.3	183.6	157.4	181.8	189.4
80°	163.2	145.1	132.3	148.0	158.0
82.5°	124.7	110.7	107.8	114.2	123.6
85°	82.8	77.5	79.8	82.2	88.0
87.5°	42.0	44.9	48.4	52.5	55.4
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	16.1	17.8	16.4	18.2	18.5	15.1	16.9	15.5	17.2	17.6
	3H	17.2	18.8	17.5	19.1	19.5	16.3	17.9	16.7	18.2	18.6
	4H	17.6	19.1	18.0	19.4	19.8	16.7	18.3	17.1	18.6	19.0
	6H	17.9	19.3	18.3	19.7	20.1	17.2	18.6	17.6	19.0	19.4
	8H	18.1	19.4	18.5	19.8	20.2	17.4	18.7	17.8	19.1	19.5
	12H	18.2	19.5	18.6	19.9	20.3	17.6	18.9	18.0	19.2	19.7
4H	2H	16.5	18.0	16.9	18.3	18.7	15.7	17.2	16.1	17.6	18.0
	3H	17.7	19.0	18.2	19.4	19.8	17.0	18.3	17.4	18.7	19.1
	4H	18.3	19.4	18.7	19.8	20.3	17.6	18.8	18.0	19.2	19.6
	6H	18.7	19.8	19.2	20.2	20.6	18.2	19.2	18.6	19.6	20.1
	8H	19.0	19.9	19.4	20.4	20.8	18.4	19.4	18.9	19.8	20.3
	12H	19.2	20.0	19.6	20.5	21.0	18.7	19.6	19.2	20.0	20.5
8H	4H	18.4	19.4	18.9	19.8	20.3	17.8	18.8	18.3	19.2	19.7
	6H	19.0	19.8	19.5	20.3	20.8	18.5	19.3	19.0	19.8	20.3
	8H	19.3	20.0	19.8	20.5	21.0	18.9	19.6	19.4	20.1	20.6
	12H	19.6	20.2	20.1	20.7	21.3	19.2	19.9	19.7	20.4	20.9
12H	4H	18.4	19.3	18.9	19.8	20.2	17.9	18.7	18.3	19.2	19.7
	6H	19.1	19.8	19.6	20.3	20.8	18.6	19.3	19.1	19.8	20.3
	8H	19.4	20.1	19.9	20.5	21.1	19.0	19.6	19.5	20.1	20.7











(END OF REPORT)