

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: P1527293

Luminaire Tested: 22CGSB-50-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527293
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-50-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

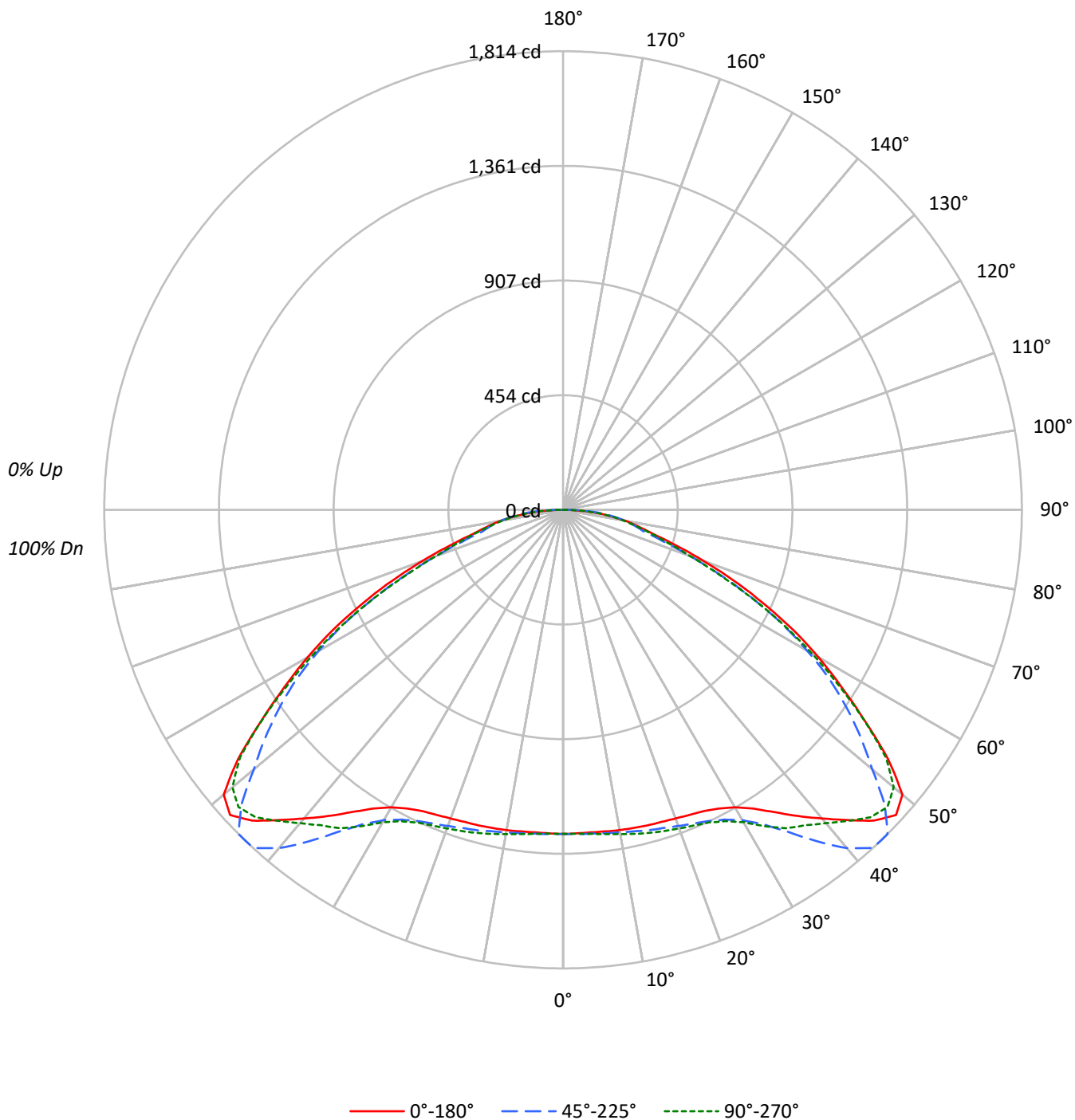
Lumens per Lamp: N/A
Luminaire Lumens: 6064.5 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 42.5
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°	3449	3449	3449
5°	3459	3472	3475
10°	3515	3540	3559
15°	3600	3654	3686
20°	3720	3812	3841
25°	3904	4034	4051
30°	4221	4403	4431
35°	4794	5110	5050
40°	5597	6136	5682
45°	6617	6905	6543
50°	7332	6680	7145
55°	6836	6433	6830
60°	6276	6005	6116
65°	5550	5237	5230
70°	4651	4190	4200
75°	3823	3430	3703
80°	3888	3870	3710
85°	3819	4597	3890

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7332 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	2.0
10°-20°	371.7	6.1
20°-30°	628.4	10.4
30°-40°	966.3	15.9
40°-50°	1342.9	22.1
50°-60°	1264.1	20.8
60°-70°	834.9	13.8
70°-80°	388.0	6.4
80°-90°	145.2	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°	1123.1	18.5
0°-40°	2089.4	34.5
0°-60°	4696.5	77.4
0°-90°	6064.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6064.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1281	1284	1285	1288	1286	122
15°	1292	1298	1312	1321	1323	366
25°	1315	1332	1358	1366	1364	612
35°	1459	1511	1556	1550	1537	924
45°	1739	1801	1814	1771	1719	1330
55°	1457	1436	1371	1418	1456	1305
65°	872	864	822	835	821	866
75°	368	354	330	340	356	411
85°	124	142	149	144	126	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1281.8	1281.8	1281.8	1281.8	1281.8
2.5°	1280.6	1282.9	1284.1	1285.2	1281.8
5°	1280.6	1284.1	1285.2	1287.5	1286.4
7.5°	1282.9	1286.4	1289.8	1292.1	1293.2
10°	1286.4	1289.8	1295.5	1302.4	1302.4
12.5°	1288.6	1294.4	1302.4	1311.6	1312.7
15°	1292.1	1297.8	1311.6	1320.7	1323.0
17.5°	1294.4	1303.5	1319.6	1331.0	1332.2
20°	1299.0	1309.3	1331.0	1341.3	1341.3
22.5°	1305.8	1319.6	1342.5	1351.6	1351.6
25°	1315.0	1332.2	1358.5	1366.5	1364.2
27.5°	1332.2	1352.8	1381.4	1390.6	1388.3
30°	1358.5	1386.0	1416.9	1428.4	1426.1
32.5°	1400.9	1435.3	1474.2	1484.5	1483.4
35°	1459.3	1510.9	1555.5	1549.8	1537.2
37.5°	1526.9	1603.6	1654.0	1600.2	1572.7
40°	1593.3	1697.6	1746.8	1659.8	1617.4
42.5°	1664.4	1770.9	1813.3	1728.5	1668.9
45°	1738.8	1800.7	1814.4	1770.9	1719.3
47.5°	1785.8	1753.7	1723.9	1750.3	1740.0
50°	1751.4	1643.7	1595.6	1646.0	1706.7
52.5°	1620.8	1541.8	1485.7	1532.6	1609.4
55°	1457.0	1436.4	1371.1	1418.1	1455.9
57.5°	1307.0	1323.0	1252.0	1287.5	1293.2
60°	1166.1	1177.5	1115.7	1145.5	1136.3
62.5°	1022.9	1024.0	975.9	993.1	979.4
65°	871.7	863.7	822.4	835.0	821.3
67.5°	729.7	711.3	672.4	678.1	665.5
70°	591.1	569.3	532.6	540.7	533.8
72.5°	467.3	450.2	418.1	428.4	435.3
75°	367.7	353.9	329.9	340.2	356.2
77.5°	304.7	287.5	289.8	282.9	294.4
80°	250.9	240.5	249.7	242.8	239.4
82.5°	186.7	197.0	200.5	203.9	186.7
85°	123.7	142.0	148.9	144.3	126.0
87.5°	60.7	76.7	79.0	77.9	65.3
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	19.5	21.3	19.9	21.6	21.9	19.4	21.1	19.7	21.4	21.7
	3H	20.8	22.4	21.2	22.7	23.1	20.5	22.1	20.9	22.4	22.8
	4H	21.2	22.7	21.6	23.0	23.4	20.9	22.4	21.3	22.8	23.1
	6H	21.5	22.9	21.9	23.3	23.7	21.3	22.7	21.7	23.0	23.4
	8H	21.7	23.0	22.1	23.4	23.8	21.4	22.7	21.8	23.1	23.5
	12H	21.8	23.1	22.2	23.5	23.9	21.6	22.8	22.0	23.2	23.6
4H	2H	20.0	21.5	20.4	21.8	22.2	19.8	21.3	20.2	21.7	22.0
	3H	21.4	22.7	21.8	23.1	23.5	21.2	22.4	21.6	22.8	23.2
	4H	21.9	23.0	22.3	23.5	23.9	21.7	22.8	22.1	23.2	23.6
	6H	22.4	23.4	22.8	23.8	24.3	22.2	23.1	22.6	23.6	24.0
	8H	22.6	23.5	23.1	24.0	24.4	22.4	23.3	22.8	23.8	24.2
	12H	22.8	23.6	23.3	24.1	24.6	22.6	23.4	23.1	23.9	24.4
8H	4H	22.1	23.0	22.6	23.5	23.9	21.9	22.8	22.3	23.2	23.7
	6H	22.7	23.5	23.2	24.0	24.4	22.5	23.3	23.0	23.8	24.2
	8H	23.0	23.7	23.5	24.2	24.7	22.8	23.5	23.3	24.0	24.5
	12H	23.3	23.9	23.8	24.4	25.0	23.2	23.8	23.7	24.3	24.8
12H	4H	22.1	23.0	22.6	23.4	23.9	21.9	22.7	22.4	23.2	23.7
	6H	22.8	23.5	23.3	23.9	24.5	22.6	23.3	23.1	23.7	24.3
	8H	23.1	23.8	23.7	24.3	24.8	23.0	23.6	23.5	24.1	24.7















(END OF REPORT)