

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: P1527282

Luminaire Tested: 22CGSB-45-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527282
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-45-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

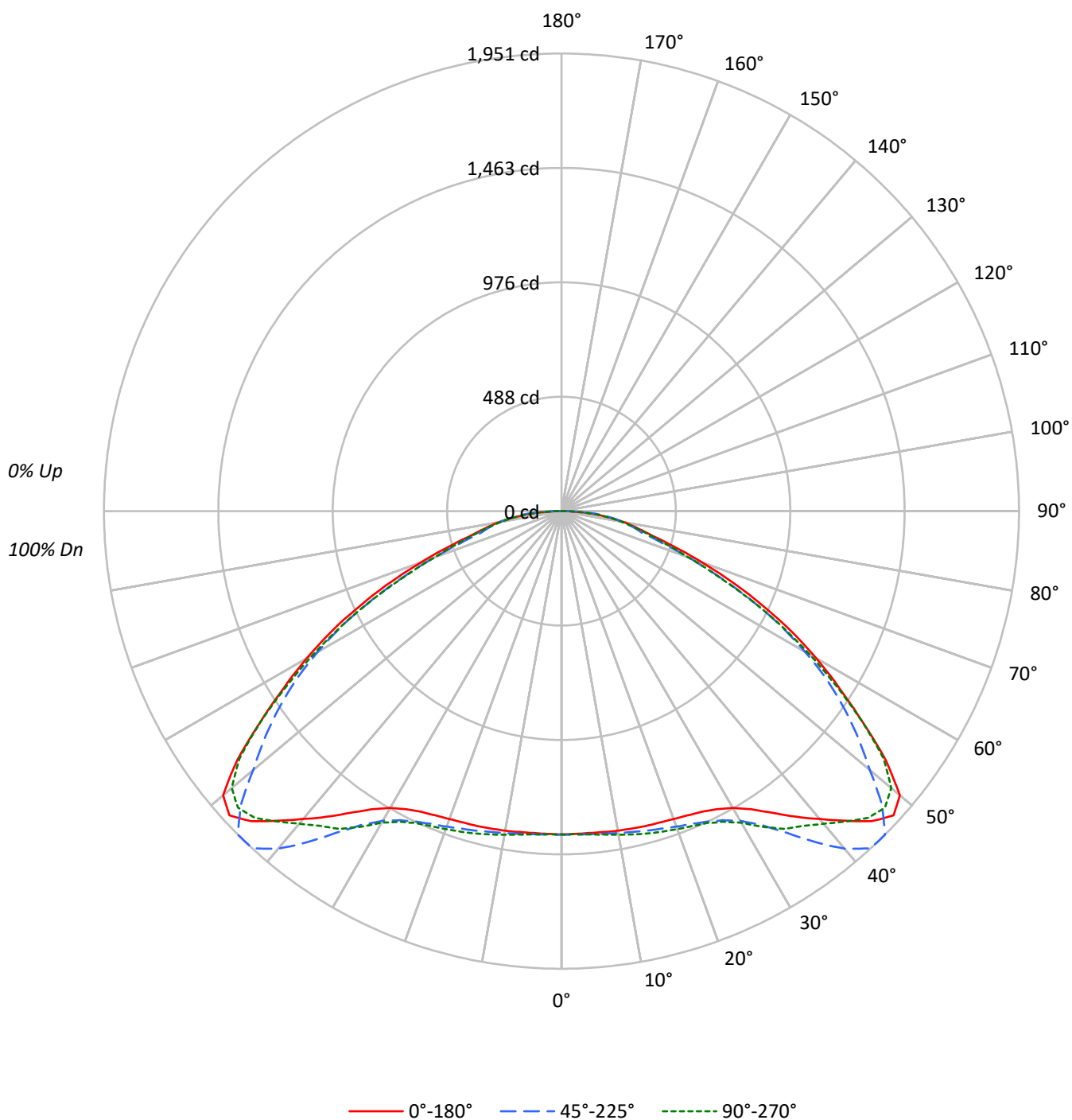
Lumens per Lamp: N/A
Luminaire Lumens: 6521.9 lumens
Efficiency: N/A
Efficacy: 170.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38.2
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°	3709	3709	3709
5°	3720	3733	3737
10°	3780	3807	3827
15°	3871	3930	3964
20°	4000	4099	4131
25°	4199	4338	4356
30°	4540	4735	4765
35°	5156	5495	5431
40°	6019	6599	6110
45°	7116	7426	7037
50°	7885	7184	7684
55°	7351	6918	7346
60°	6749	6457	6577
65°	5969	5632	5624
70°	5001	4507	4516
75°	4111	3689	3983
80°	4181	4161	3990
85°	4106	4943	4184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	2.0
10°-20°	399.7	6.1
20°-30°	675.8	10.4
30°-40°	1039.2	15.9
40°-50°	1444.2	22.1
50°-60°	1359.5	20.8
60°-70°	897.8	13.8
70°-80°	417.2	6.4
80°-90°	156.2	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°	1207.8	18.5
0°-40°	2247.0	34.5
0°-60°	5050.7	77.4
0°-90°	6521.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6521.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1378	1378	1378	1378	1378	
5°	1377	1381	1382	1385	1383	132
15°	1390	1396	1410	1420	1423	394
25°	1414	1433	1461	1470	1467	658
35°	1569	1625	1673	1667	1653	993
45°	1870	1936	1951	1904	1849	1431
55°	1567	1545	1474	1525	1566	1404
65°	937	929	884	898	883	931
75°	395	381	355	366	383	442
85°	133	153	160	155	136	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1378.4	1378.4	1378.4	1378.4	1378.4
2.5°	1377.2	1379.7	1380.9	1382.1	1378.4
5°	1377.2	1380.9	1382.1	1384.6	1383.4
7.5°	1379.7	1383.4	1387.1	1389.5	1390.7
10°	1383.4	1387.1	1393.2	1400.6	1400.6
12.5°	1385.8	1392.0	1400.6	1410.5	1411.7
15°	1389.5	1395.7	1410.5	1420.3	1422.8
17.5°	1392.0	1401.8	1419.1	1431.4	1432.6
20°	1396.9	1408.0	1431.4	1442.5	1442.5
22.5°	1404.3	1419.1	1443.7	1453.6	1453.6
25°	1414.2	1432.6	1461.0	1469.6	1467.1
27.5°	1432.6	1454.8	1485.6	1495.5	1493.0
30°	1461.0	1490.5	1523.8	1536.1	1533.6
32.5°	1506.5	1543.5	1585.4	1596.5	1595.2
35°	1569.4	1624.8	1672.8	1666.7	1653.1
37.5°	1642.0	1724.6	1778.8	1720.9	1691.3
40°	1713.5	1825.6	1878.6	1784.9	1739.4
42.5°	1789.9	1904.4	1950.0	1858.9	1794.8
45°	1869.9	1936.5	1951.2	1904.4	1849.0
47.5°	1920.4	1886.0	1853.9	1882.3	1871.2
50°	1883.5	1767.7	1716.0	1770.2	1835.4
52.5°	1743.1	1658.1	1597.7	1648.2	1730.7
55°	1566.9	1544.7	1474.5	1525.0	1565.7
57.5°	1405.5	1422.8	1346.4	1384.6	1390.7
60°	1254.0	1266.3	1199.8	1231.8	1222.0
62.5°	1100.0	1101.3	1049.5	1068.0	1053.2
65°	937.4	928.8	884.5	898.0	883.2
67.5°	784.7	765.0	723.1	729.3	715.7
70°	635.6	612.2	572.8	581.4	574.0
72.5°	502.6	484.1	449.6	460.7	468.1
75°	395.4	380.6	354.8	365.9	383.1
77.5°	327.7	309.2	311.7	304.3	316.6
80°	269.8	258.7	268.5	261.2	257.5
82.5°	200.8	211.9	215.6	219.3	200.8
85°	133.0	152.7	160.1	155.2	135.5
87.5°	65.3	82.5	85.0	83.8	70.2
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	19.8	21.5	20.1	21.8	22.2	19.6	21.4	20.0	21.7	22.0
	3H	21.1	22.6	21.4	23.0	23.3	20.8	22.4	21.2	22.7	23.0
	4H	21.4	22.9	21.8	23.3	23.7	21.2	22.7	21.6	23.0	23.4
	6H	21.8	23.2	22.2	23.5	23.9	21.5	22.9	21.9	23.3	23.7
	8H	21.9	23.3	22.4	23.7	24.0	21.7	23.0	22.1	23.4	23.8
	12H	22.1	23.3	22.5	23.7	24.1	21.8	23.1	22.2	23.5	23.9
4H	2H	20.2	21.7	20.6	22.1	22.4	20.1	21.6	20.5	21.9	22.3
	3H	21.7	22.9	22.1	23.3	23.7	21.4	22.7	21.8	23.1	23.5
	4H	22.2	23.3	22.6	23.7	24.1	21.9	23.0	22.3	23.5	23.9
	6H	22.6	23.6	23.1	24.1	24.5	22.4	23.4	22.9	23.8	24.3
	8H	22.9	23.8	23.3	24.2	24.7	22.6	23.6	23.1	24.0	24.5
	12H	23.0	23.9	23.5	24.4	24.8	22.8	23.7	23.3	24.2	24.6
8H	4H	22.3	23.3	22.8	23.7	24.2	22.1	23.1	22.6	23.5	24.0
	6H	23.0	23.7	23.4	24.2	24.7	22.8	23.5	23.2	24.0	24.5
	8H	23.3	24.0	23.8	24.5	25.0	23.1	23.8	23.6	24.3	24.8
	12H	23.6	24.2	24.1	24.7	25.2	23.4	24.0	23.9	24.5	25.1
12H	4H	22.4	23.2	22.9	23.7	24.2	22.2	23.0	22.6	23.5	23.9
	6H	23.0	23.7	23.6	24.2	24.7	22.8	23.5	23.4	24.0	24.5
	8H	23.4	24.0	23.9	24.5	25.1	23.2	23.9	23.7	24.3	24.9













(END OF REPORT)