

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: P1527291

Luminaire Tested: 22CGSB-50-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527291
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

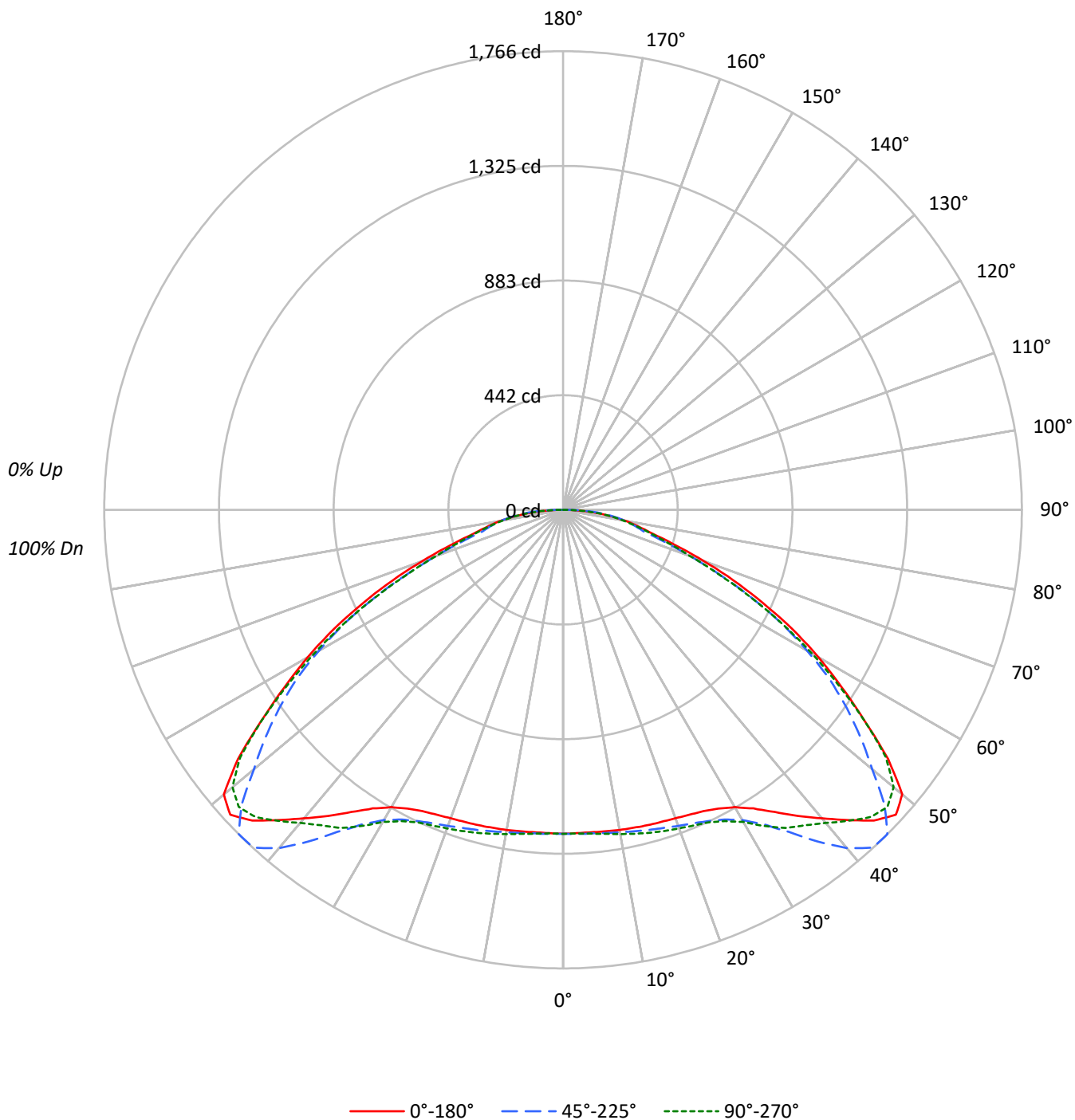
Lumens per Lamp: N/A
Luminaire Lumens: 5901.5 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3356	3356	3356
5°	3366	3378	3381
10°	3421	3445	3463
15°	3503	3556	3587
20°	3620	3709	3738
25°	3799	3925	3942
30°	4108	4284	4312
35°	4665	4973	4914
40°	5447	5971	5529
45°	6439	6719	6367
50°	7135	6500	6953
55°	6652	6260	6647
60°	6107	5843	5951
65°	5401	5096	5089
70°	4526	4078	4087
75°	3720	3337	3605
80°	3783	3766	3611
85°	3717	4474	3785

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	2.0
10°-20°	361.7	6.1
20°-30°	611.5	10.4
30°-40°	940.3	15.9
40°-50°	1306.8	22.1
50°-60°	1230.1	20.8
60°-70°	812.4	13.8
70°-80°	377.5	6.4
80°-90°	141.3	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°	1092.9	18.5
0°-40°	2033.2	34.5
0°-60°	4570.2	77.4
0°-90°	5901.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5901.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1246	1250	1251	1253	1252	119
15°	1257	1263	1276	1285	1287	357
25°	1280	1296	1322	1330	1328	595
35°	1420	1470	1514	1508	1496	899
45°	1692	1752	1766	1723	1673	1295
55°	1418	1398	1334	1380	1417	1270
65°	848	840	800	813	799	842
75°	358	344	321	331	347	400
85°	120	138	145	140	123	131
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.3	1247.3	1247.3	1247.3	1247.3
2.5°	1246.2	1248.4	1249.5	1250.7	1247.3
5°	1246.2	1249.5	1250.7	1252.9	1251.8
7.5°	1248.4	1251.8	1255.1	1257.3	1258.5
10°	1251.8	1255.1	1260.7	1267.4	1267.4
12.5°	1254.0	1259.6	1267.4	1276.3	1277.4
15°	1257.3	1262.9	1276.3	1285.2	1287.4
17.5°	1259.6	1268.5	1284.1	1295.2	1296.4
20°	1264.0	1274.1	1295.2	1305.3	1305.3
22.5°	1270.7	1284.1	1306.4	1315.3	1315.3
25°	1279.6	1296.4	1322.0	1329.8	1327.6
27.5°	1296.4	1316.4	1344.3	1353.2	1351.0
30°	1322.0	1348.7	1378.8	1390.0	1387.8
32.5°	1363.2	1396.7	1434.6	1444.6	1443.5
35°	1420.1	1470.2	1513.7	1508.1	1495.9
37.5°	1485.8	1560.5	1609.6	1557.2	1530.4
40°	1550.5	1651.9	1699.9	1615.1	1573.9
42.5°	1619.6	1723.3	1764.5	1682.0	1624.1
45°	1692.1	1752.3	1765.6	1723.3	1673.1
47.5°	1737.8	1706.5	1677.6	1703.2	1693.2
50°	1704.3	1599.5	1552.7	1601.8	1660.8
52.5°	1577.2	1500.3	1445.7	1491.4	1566.1
55°	1417.9	1397.8	1334.3	1380.0	1416.7
57.5°	1271.8	1287.4	1218.3	1252.9	1258.5
60°	1134.7	1145.9	1085.7	1114.7	1105.7
62.5°	995.4	996.5	949.7	966.4	953.0
65°	848.3	840.5	800.3	812.6	799.2
67.5°	710.0	692.2	654.3	659.9	647.6
70°	575.2	554.0	518.3	526.1	519.4
72.5°	454.8	438.1	406.9	416.9	423.6
75°	357.8	344.4	321.0	331.1	346.7
77.5°	296.5	279.8	282.0	275.3	286.5
80°	244.1	234.1	243.0	236.3	233.0
82.5°	181.7	191.7	195.1	198.4	181.7
85°	120.4	138.2	144.9	140.4	122.6
87.5°	59.1	74.7	76.9	75.8	63.5
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	19.4	21.2	19.8	21.5	21.8	19.3	21.0	19.6	21.3	21.6
	3H	20.7	22.3	21.1	22.6	23.0	20.4	22.0	20.8	22.3	22.7
	4H	21.1	22.6	21.5	22.9	23.3	20.8	22.3	21.2	22.7	23.0
	6H	21.4	22.8	21.8	23.2	23.6	21.2	22.6	21.6	22.9	23.3
	8H	21.6	22.9	22.0	23.3	23.7	21.3	22.7	21.7	23.0	23.4
	12H	21.7	23.0	22.1	23.4	23.8	21.5	22.7	21.9	23.1	23.5
4H	2H	19.9	21.4	20.3	21.7	22.1	19.7	21.2	20.1	21.6	22.0
	3H	21.3	22.6	21.7	23.0	23.4	21.1	22.3	21.5	22.7	23.1
	4H	21.8	23.0	22.2	23.4	23.8	21.6	22.7	22.0	23.1	23.5
	6H	22.3	23.3	22.7	23.7	24.2	22.1	23.1	22.5	23.5	23.9
	8H	22.5	23.4	23.0	23.9	24.3	22.3	23.2	22.7	23.7	24.1
	12H	22.7	23.5	23.2	24.0	24.5	22.5	23.3	23.0	23.8	24.3
8H	4H	22.0	22.9	22.5	23.4	23.8	21.8	22.7	22.2	23.1	23.6
	6H	22.6	23.4	23.1	23.9	24.3	22.4	23.2	22.9	23.7	24.1
	8H	22.9	23.6	23.4	24.1	24.6	22.7	23.4	23.2	23.9	24.4
	12H	23.2	23.8	23.7	24.3	24.9	23.1	23.7	23.6	24.2	24.7
12H	4H	22.0	22.9	22.5	23.3	23.8	21.8	22.7	22.3	23.1	23.6
	6H	22.7	23.4	23.2	23.9	24.4	22.5	23.2	23.0	23.7	24.2
	8H	23.1	23.7	23.6	24.2	24.7	22.9	23.5	23.4	24.0	24.6















(END OF REPORT)