

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: P1527280

Luminaire Tested: 22CGSB-45-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527280
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

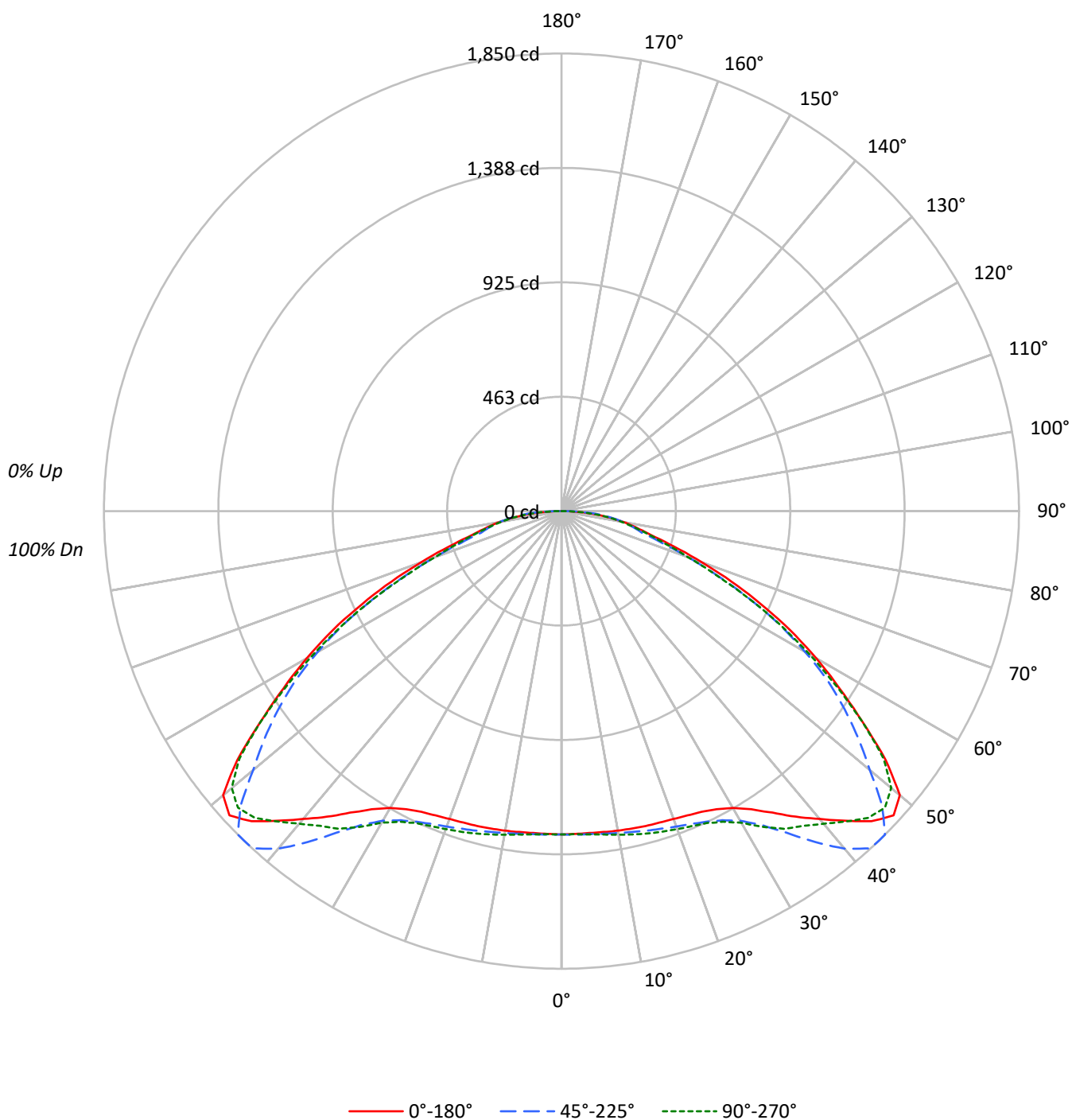
Lumens per Lamp: N/A
Luminaire Lumens: 6183.8 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3517	3517	3517
5°	3527	3540	3543
10°	3584	3610	3629
15°	3670	3726	3758
20°	3793	3887	3917
25°	3981	4113	4130
30°	4305	4489	4519
35°	4888	5211	5149
40°	5707	6257	5793
45°	6747	7041	6672
50°	7477	6811	7286
55°	6970	6559	6965
60°	6399	6123	6236
65°	5660	5340	5333
70°	4742	4273	4282
75°	3898	3498	3776
80°	3964	3945	3783
85°	3893	4687	3968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	2.0
10°-20°	379.0	6.1
20°-30°	640.8	10.4
30°-40°	985.3	15.9
40°-50°	1369.4	22.1
50°-60°	1289.0	20.8
60°-70°	851.3	13.8
70°-80°	395.6	6.4
80°-90°	148.1	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°	1145.2	18.5
0°-40°	2130.5	34.5
0°-60°	4788.9	77.4
0°-90°	6183.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6183.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1306	1309	1310	1313	1312	125
15°	1318	1323	1337	1347	1349	374
25°	1341	1358	1385	1393	1391	624
35°	1488	1541	1586	1580	1568	942
45°	1773	1836	1850	1806	1753	1357
55°	1486	1465	1398	1446	1484	1331
65°	889	881	839	852	838	883
75°	375	361	336	347	363	420
85°	126	145	152	147	128	138
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.0	1307.0	1307.0	1307.0	1307.0
2.5°	1305.8	1308.2	1309.3	1310.5	1307.0
5°	1305.8	1309.3	1310.5	1312.8	1311.7
7.5°	1308.2	1311.7	1315.2	1317.5	1318.7
10°	1311.7	1315.2	1321.0	1328.0	1328.0
12.5°	1314.0	1319.8	1328.0	1337.4	1338.5
15°	1317.5	1323.3	1337.4	1346.7	1349.0
17.5°	1319.8	1329.2	1345.5	1357.2	1358.4
20°	1324.5	1335.0	1357.2	1367.7	1367.7
22.5°	1331.5	1345.5	1368.9	1378.2	1378.2
25°	1340.9	1358.4	1385.3	1393.4	1391.1
27.5°	1358.4	1379.4	1408.6	1418.0	1415.6
30°	1385.3	1413.3	1444.8	1456.5	1454.2
32.5°	1428.5	1463.5	1503.2	1513.7	1512.6
35°	1488.0	1540.6	1586.2	1580.3	1567.5
37.5°	1557.0	1635.2	1686.6	1631.7	1603.7
40°	1624.7	1731.0	1781.2	1692.4	1649.2
42.5°	1697.1	1805.7	1849.0	1762.5	1701.8
45°	1773.0	1836.1	1850.1	1805.7	1753.2
47.5°	1820.9	1788.2	1757.8	1784.7	1774.2
50°	1785.9	1676.1	1627.0	1678.4	1740.3
52.5°	1652.7	1572.1	1514.9	1562.8	1641.0
55°	1485.7	1464.7	1398.1	1446.0	1484.5
57.5°	1332.7	1349.0	1276.6	1312.8	1318.7
60°	1189.0	1200.7	1137.6	1168.0	1158.7
62.5°	1043.0	1044.2	995.1	1012.7	998.6
65°	888.9	880.7	838.6	851.5	837.5
67.5°	744.0	725.3	685.6	691.5	678.6
70°	602.7	580.5	543.1	551.3	544.3
72.5°	476.5	459.0	426.3	436.8	443.8
75°	374.9	360.9	336.4	346.9	363.2
77.5°	310.7	293.2	295.5	288.5	300.2
80°	255.8	245.3	254.6	247.6	244.1
82.5°	190.4	200.9	204.4	207.9	190.4
85°	126.1	144.8	151.8	147.2	128.5
87.5°	61.9	78.3	80.6	79.4	66.6
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	19.6	21.3	20.0	21.7	22.0	19.4	21.2	19.8	21.5	21.8
	3H	20.9	22.5	21.2	22.8	23.1	20.6	22.2	21.0	22.5	22.9
	4H	21.3	22.8	21.7	23.1	23.5	21.0	22.5	21.4	22.8	23.2
	6H	21.6	23.0	22.0	23.4	23.7	21.3	22.7	21.7	23.1	23.5
	8H	21.7	23.1	22.2	23.5	23.9	21.5	22.8	21.9	23.2	23.6
	12H	21.9	23.1	22.3	23.5	24.0	21.6	22.9	22.1	23.3	23.7
4H	2H	20.0	21.5	20.4	21.9	22.3	19.9	21.4	20.3	21.7	22.1
	3H	21.5	22.7	21.9	23.1	23.5	21.2	22.5	21.7	22.9	23.3
	4H	22.0	23.1	22.4	23.5	24.0	21.7	22.9	22.2	23.3	23.7
	6H	22.5	23.5	22.9	23.9	24.3	22.2	23.2	22.7	23.7	24.1
	8H	22.7	23.6	23.1	24.0	24.5	22.5	23.4	22.9	23.8	24.3
	12H	22.9	23.7	23.3	24.2	24.6	22.7	23.5	23.1	24.0	24.4
8H	4H	22.2	23.1	22.6	23.5	24.0	21.9	22.9	22.4	23.3	23.8
	6H	22.8	23.6	23.3	24.0	24.5	22.6	23.3	23.1	23.8	24.3
	8H	23.1	23.8	23.6	24.3	24.8	22.9	23.6	23.4	24.1	24.6
	12H	23.4	24.0	23.9	24.5	25.0	23.2	23.9	23.7	24.3	24.9
12H	4H	22.2	23.0	22.7	23.5	24.0	22.0	22.8	22.5	23.3	23.8
	6H	22.9	23.6	23.4	24.0	24.5	22.7	23.4	23.2	23.8	24.4
	8H	23.2	23.8	23.7	24.3	24.9	23.0	23.7	23.6	24.2	24.7















(END OF REPORT)