

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: P1527299

Luminaire Tested: 22CGSB-55-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527299
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-55-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

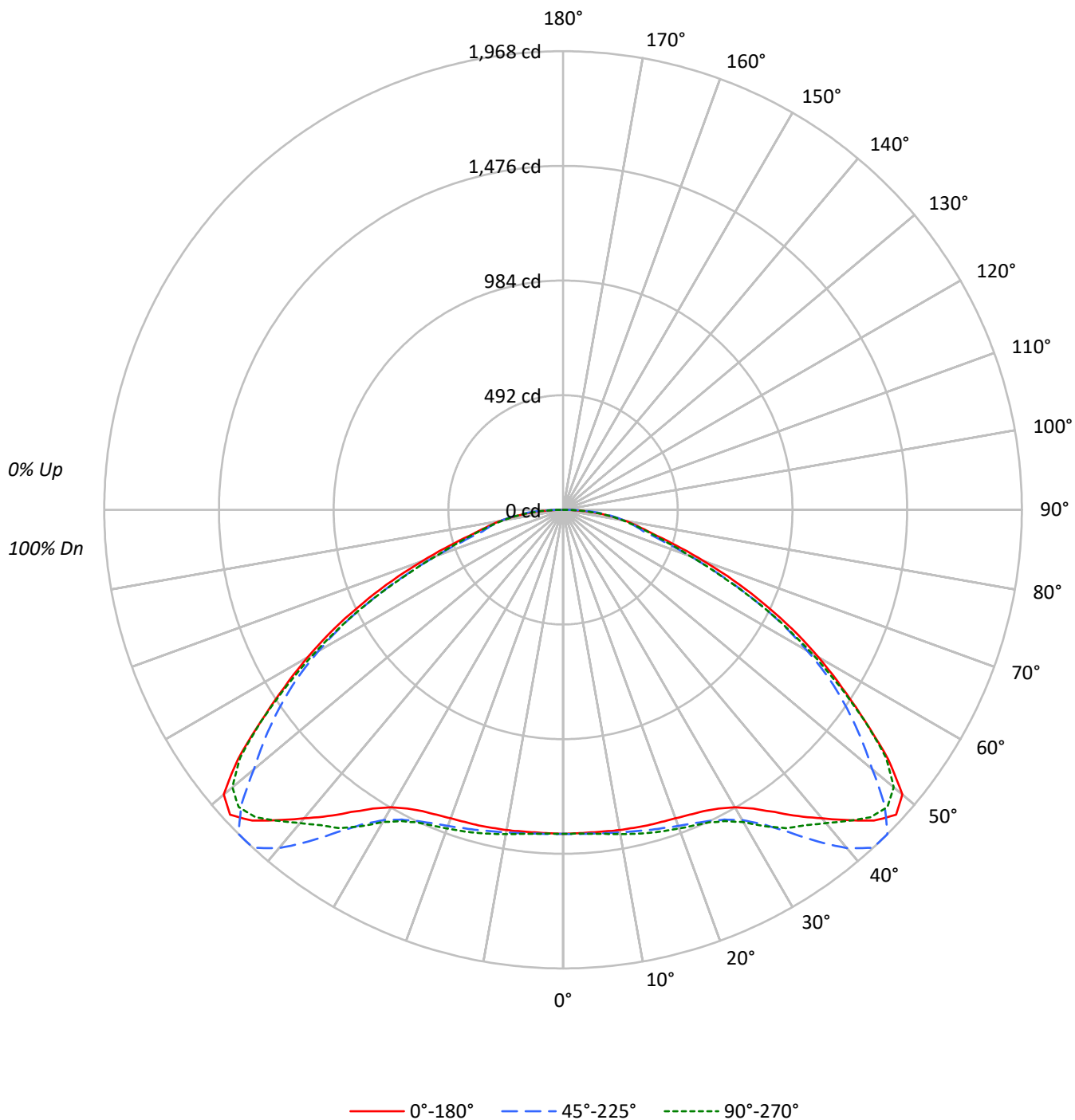
Lumens per Lamp: N/A
Luminaire Lumens: 6578.3 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.2
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°	3742	3742	3742
5°	3752	3766	3769
10°	3813	3840	3860
15°	3905	3964	3998
20°	4035	4135	4167
25°	4235	4375	4394
30°	4579	4776	4807
35°	5200	5543	5478
40°	6071	6656	6163
45°	7178	7490	7097
50°	7953	7246	7750
55°	7415	6978	7409
60°	6808	6513	6634
65°	6021	5680	5673
70°	5044	4546	4556
75°	4146	3720	4017
80°	4217	4198	4025
85°	4143	4986	4221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7953 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	2.0
10°-20°	403.2	6.1
20°-30°	681.7	10.4
30°-40°	1048.2	15.9
40°-50°	1456.7	22.1
50°-60°	1371.2	20.8
60°-70°	905.6	13.8
70°-80°	420.8	6.4
80°-90°	157.5	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°	1218.3	18.5
0°-40°	2266.4	34.5
0°-60°	5094.4	77.4
0°-90°	6578.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6578.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1390	1390	1390	1390	1390	
5°	1389	1393	1394	1397	1395	133
15°	1402	1408	1423	1433	1435	397
25°	1426	1445	1474	1482	1480	664
35°	1583	1639	1687	1681	1667	1002
45°	1886	1953	1968	1921	1865	1443
55°	1580	1558	1487	1538	1579	1416
65°	946	937	892	906	891	939
75°	399	384	358	369	386	446
85°	134	154	162	157	137	147
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1390.4	1390.4	1390.4	1390.4	1390.4
2.5°	1389.1	1391.6	1392.9	1394.1	1390.4
5°	1389.1	1392.9	1394.1	1396.6	1395.3
7.5°	1391.6	1395.3	1399.1	1401.6	1402.8
10°	1395.3	1399.1	1405.3	1412.7	1412.7
12.5°	1397.8	1404.0	1412.7	1422.7	1423.9
15°	1401.6	1407.8	1422.7	1432.6	1435.1
17.5°	1404.0	1414.0	1431.4	1443.8	1445.0
20°	1409.0	1420.2	1443.8	1455.0	1455.0
22.5°	1416.5	1431.4	1456.2	1466.2	1466.2
25°	1426.4	1445.0	1473.6	1482.3	1479.8
27.5°	1445.0	1467.4	1498.5	1508.4	1505.9
30°	1473.6	1503.4	1537.0	1549.4	1546.9
32.5°	1519.6	1556.9	1599.1	1610.3	1609.1
35°	1583.0	1638.9	1687.3	1681.1	1667.4
37.5°	1656.3	1739.5	1794.2	1735.8	1706.0
40°	1728.3	1841.4	1894.8	1800.4	1754.4
42.5°	1805.4	1920.9	1966.9	1874.9	1810.3
45°	1886.1	1953.2	1968.1	1920.9	1865.0
47.5°	1937.1	1902.3	1870.0	1898.6	1887.4
50°	1899.8	1783.0	1730.8	1785.5	1851.3
52.5°	1758.2	1672.4	1611.5	1662.5	1745.7
55°	1580.5	1558.1	1487.3	1538.2	1579.2
57.5°	1417.7	1435.1	1358.1	1396.6	1402.8
60°	1264.9	1277.3	1210.2	1242.5	1232.6
62.5°	1109.6	1110.8	1058.6	1077.3	1062.3
65°	945.6	936.9	892.1	905.8	890.9
67.5°	791.5	771.6	729.4	735.6	721.9
70°	641.1	617.5	577.8	586.5	579.0
72.5°	506.9	488.3	453.5	464.7	472.2
75°	398.8	383.9	357.8	369.0	386.4
77.5°	330.5	311.9	314.4	306.9	319.3
80°	272.1	260.9	270.9	263.4	259.7
82.5°	202.5	213.7	217.4	221.2	202.5
85°	134.2	154.1	161.5	156.6	136.7
87.5°	65.9	83.2	85.7	84.5	70.8
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	21.6	20.2	21.9	22.2	19.6	21.4	20.0	21.7	22.0
	3H	21.1	22.7	21.5	23.0	23.4	20.8	22.4	21.2	22.7	23.1
	4H	21.5	23.0	21.9	23.3	23.7	21.2	22.7	21.6	23.0	23.4
	6H	21.8	23.2	22.2	23.6	24.0	21.5	22.9	22.0	23.3	23.7
	8H	22.0	23.3	22.4	23.7	24.1	21.7	23.0	22.1	23.4	23.8
	12H	22.1	23.4	22.5	23.7	24.2	21.8	23.1	22.3	23.5	23.9
4H	2H	20.3	21.8	20.7	22.1	22.5	20.1	21.6	20.5	22.0	22.3
	3H	21.7	23.0	22.1	23.3	23.7	21.5	22.7	21.9	23.1	23.5
	4H	22.2	23.3	22.6	23.7	24.2	21.9	23.1	22.4	23.5	23.9
	6H	22.7	23.7	23.1	24.1	24.6	22.4	23.4	22.9	23.9	24.3
	8H	22.9	23.8	23.3	24.3	24.7	22.7	23.6	23.1	24.0	24.5
	12H	23.1	23.9	23.6	24.4	24.9	22.9	23.7	23.4	24.2	24.7
8H	4H	22.4	23.3	22.8	23.8	24.2	22.2	23.1	22.6	23.5	24.0
	6H	23.0	23.8	23.5	24.3	24.7	22.8	23.6	23.3	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	25.3	23.4	24.1	23.9	24.6	25.1
12H	4H	22.4	23.3	22.9	23.7	24.2	22.2	23.0	22.7	23.5	24.0
	6H	23.1	23.8	23.6	24.2	24.8	22.9	23.6	23.4	24.0	24.6
	8H	23.4	24.1	23.9	24.5	25.1	23.3	23.9	23.8	24.4	24.9













(END OF REPORT)