

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: P1527296

Luminaire Tested: 22CGSB-55-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527296
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

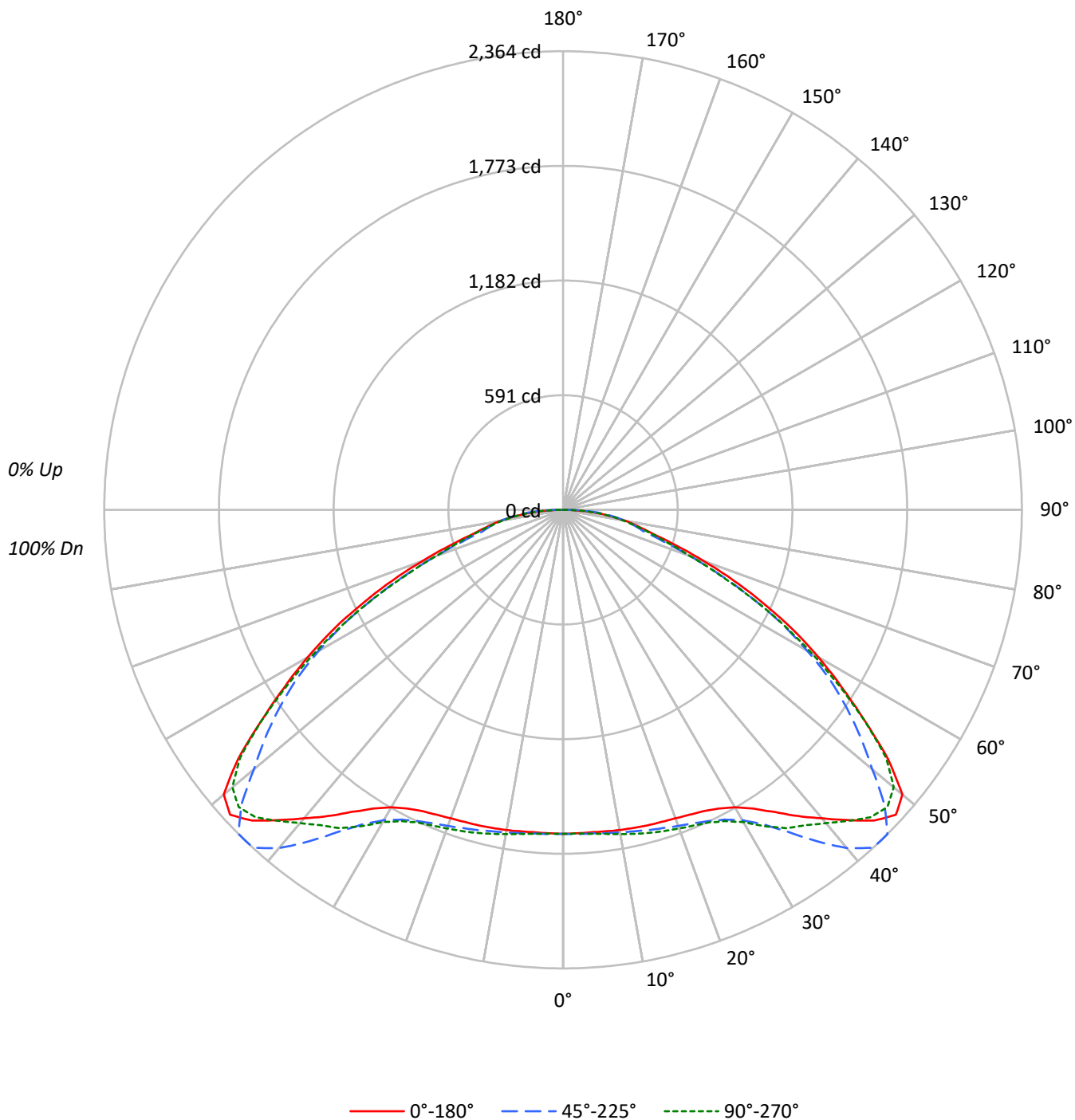
Lumens per Lamp: N/A
Luminaire Lumens: 7902.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4494	4494	4494
5°	4507	4524	4528
10°	4580	4612	4637
15°	4690	4761	4803
20°	4847	4966	5005
25°	5087	5256	5278
30°	5500	5737	5774
35°	6247	6659	6580
40°	7293	7996	7403
45°	8622	8997	8526
50°	9554	8704	9310
55°	8907	8382	8900
60°	8177	7824	7969
65°	7232	6823	6814
70°	6059	5460	5472
75°	4981	4469	4826
80°	5066	5043	4833
85°	4977	5990	5070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.3	2.0
10°-20°	484.3	6.1
20°-30°	818.8	10.4
30°-40°	1259.1	15.9
40°-50°	1749.8	22.1
50°-60°	1647.2	20.8
60°-70°	1087.8	13.8
70°-80°	505.5	6.4
80°-90°	189.2	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°	1463.4	18.5
0°-40°	2722.5	34.5
0°-60°	6119.5	77.4
0°-90°	7902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1670	1670	1670	1670	1670	
5°	1669	1673	1675	1678	1676	160
15°	1684	1691	1709	1721	1724	477
25°	1713	1736	1770	1781	1778	797
35°	1902	1969	2027	2019	2003	1204
45°	2266	2346	2364	2307	2240	1734
55°	1898	1872	1787	1848	1897	1701
65°	1136	1125	1072	1088	1070	1128
75°	479	461	430	443	464	536
85°	161	185	194	188	164	176
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1670.1	1670.1	1670.1	1670.1	1670.1
2.5°	1668.6	1671.6	1673.1	1674.6	1670.1
5°	1668.6	1673.1	1674.6	1677.6	1676.1
7.5°	1671.6	1676.1	1680.6	1683.6	1685.1
10°	1676.1	1680.6	1688.0	1697.0	1697.0
12.5°	1679.1	1686.6	1697.0	1708.9	1710.4
15°	1683.6	1691.0	1708.9	1720.9	1723.9
17.5°	1686.6	1698.5	1719.4	1734.3	1735.8
20°	1692.5	1706.0	1734.3	1747.7	1747.7
22.5°	1701.5	1719.4	1749.2	1761.2	1761.2
25°	1713.4	1735.8	1770.1	1780.6	1777.6
27.5°	1735.8	1762.7	1800.0	1811.9	1808.9
30°	1770.1	1806.0	1846.3	1861.2	1858.2
32.5°	1825.4	1870.1	1920.9	1934.3	1932.8
35°	1901.5	1968.6	2026.9	2019.4	2003.0
37.5°	1989.5	2089.5	2155.2	2085.1	2049.2
40°	2076.1	2211.9	2276.1	2162.7	2107.4
42.5°	2168.6	2307.4	2362.7	2252.2	2174.6
45°	2265.7	2346.3	2364.2	2307.4	2240.3
47.5°	2326.8	2285.1	2246.3	2280.6	2267.1
50°	2282.1	2141.8	2079.1	2144.8	2223.9
52.5°	2111.9	2008.9	1935.8	1997.0	2097.0
55°	1898.5	1871.6	1786.6	1847.7	1897.0
57.5°	1703.0	1723.9	1631.3	1677.6	1685.1
60°	1519.4	1534.3	1453.7	1492.5	1480.6
62.5°	1332.8	1334.3	1271.6	1294.0	1276.1
65°	1135.8	1125.4	1071.6	1088.1	1070.1
67.5°	950.7	926.9	876.1	883.6	867.2
70°	770.1	741.8	694.0	704.5	695.5
72.5°	609.0	586.6	544.8	558.2	567.2
75°	479.1	461.2	429.8	443.3	464.2
77.5°	397.0	374.6	377.6	368.7	383.6
80°	326.9	313.4	325.4	316.4	311.9
82.5°	243.3	256.7	261.2	265.7	243.3
85°	161.2	185.1	194.0	188.1	164.2
87.5°	79.1	100.0	103.0	101.5	85.1
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	20.4	22.2	20.8	22.5	22.8	20.3	22.0	20.6	22.3	22.7
	3H	21.7	23.3	22.1	23.6	24.0	21.4	23.0	21.8	23.4	23.7
	4H	22.1	23.6	22.5	24.0	24.3	21.8	23.3	22.2	23.7	24.0
	6H	22.5	23.8	22.9	24.2	24.6	22.2	23.6	22.6	23.9	24.3
	8H	22.6	23.9	23.0	24.3	24.7	22.3	23.7	22.8	24.1	24.5
	12H	22.7	24.0	23.2	24.4	24.8	22.5	23.7	22.9	24.1	24.6
4H	2H	20.9	22.4	21.3	22.7	23.1	20.8	22.2	21.1	22.6	23.0
	3H	22.3	23.6	22.7	24.0	24.4	22.1	23.3	22.5	23.7	24.1
	4H	22.8	24.0	23.3	24.4	24.8	22.6	23.7	23.0	24.1	24.6
	6H	23.3	24.3	23.8	24.7	25.2	23.1	24.1	23.5	24.5	25.0
	8H	23.5	24.5	24.0	24.9	25.4	23.3	24.2	23.8	24.7	25.1
	12H	23.7	24.6	24.2	25.0	25.5	23.5	24.4	24.0	24.8	25.3
8H	4H	23.0	23.9	23.5	24.4	24.9	22.8	23.7	23.2	24.2	24.6
	6H	23.6	24.4	24.1	24.9	25.4	23.4	24.2	23.9	24.7	25.2
	8H	23.9	24.6	24.4	25.1	25.6	23.8	24.5	24.3	25.0	25.4
	12H	24.2	24.9	24.7	25.3	25.9	24.1	24.7	24.6	25.2	25.8
12H	4H	23.0	23.9	23.5	24.4	24.8	22.8	23.7	23.3	24.1	24.6
	6H	23.7	24.4	24.2	24.9	25.4	23.5	24.2	24.0	24.7	25.2
	8H	24.1	24.7	24.6	25.2	25.7	23.9	24.5	24.4	25.0	25.6















(END OF REPORT)