

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: P1527295

Luminaire Tested: 22CGSB-55-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527295
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

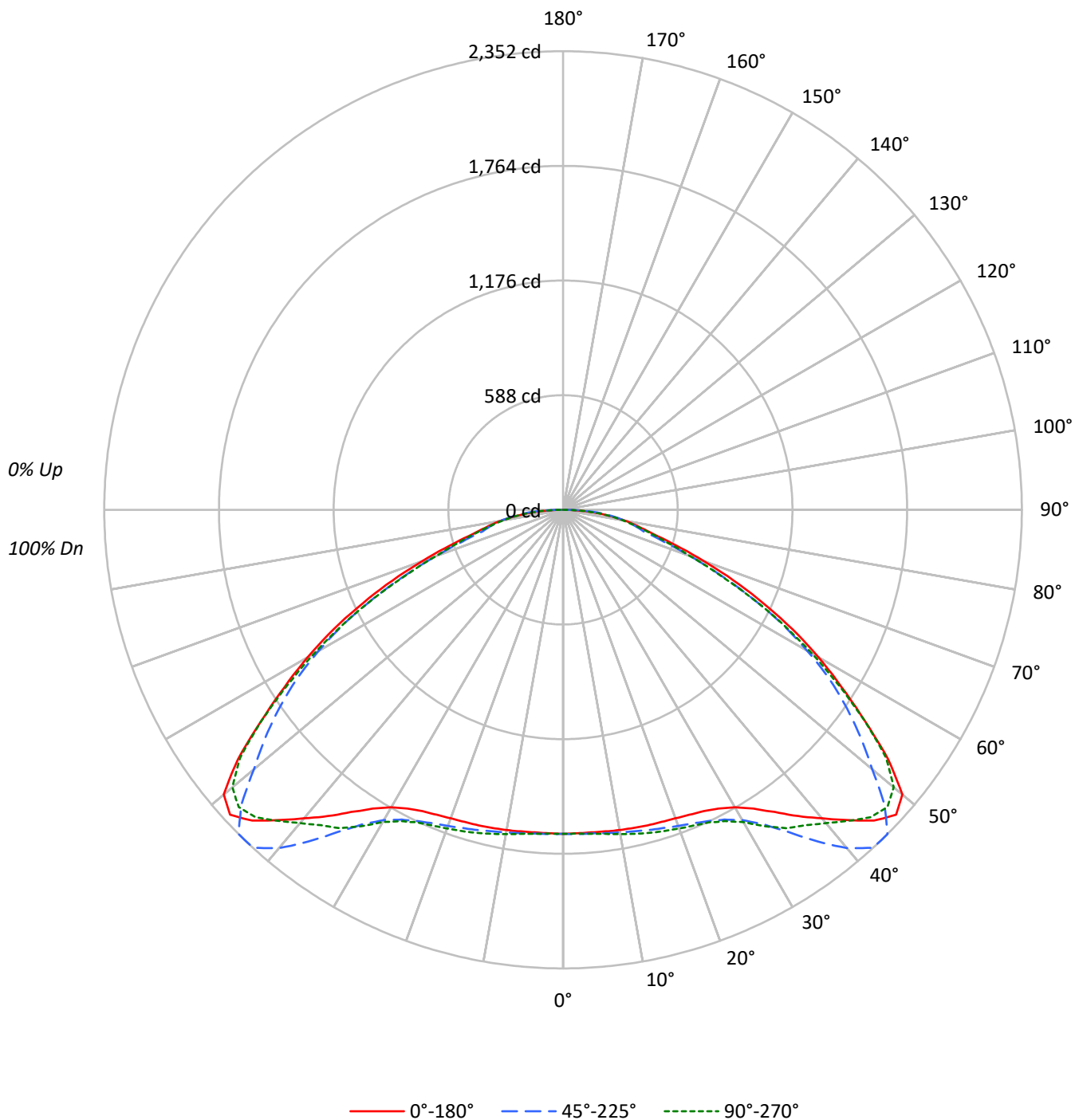
Lumens per Lamp: N/A
Luminaire Lumens: 7861.9 lumens
Efficiency: N/A
Efficacy: 170.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4472	4472	4472
5°	4485	4501	4505
10°	4557	4589	4614
15°	4666	4737	4778
20°	4822	4941	4980
25°	5062	5229	5251
30°	5473	5708	5745
35°	6215	6625	6547
40°	7256	7955	7366
45°	8579	8952	8482
50°	9505	8660	9263
55°	8862	8339	8855
60°	8136	7784	7928
65°	7196	6789	6779
70°	6028	5433	5445
75°	4956	4447	4801
80°	5040	5016	4810
85°	4952	5959	5042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9505 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.0
10°-20°	481.9	6.1
20°-30°	814.7	10.4
30°-40°	1252.7	15.9
40°-50°	1741.0	22.1
50°-60°	1638.8	20.8
60°-70°	1082.3	13.8
70°-80°	502.9	6.4
80°-90°	188.2	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°	1456.0	18.5
0°-40°	2708.7	34.5
0°-60°	6088.5	77.4
0°-90°	7861.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7861.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1662	1662	1662	1662	1662	
5°	1660	1665	1666	1669	1668	159
15°	1675	1682	1700	1712	1715	475
25°	1705	1727	1761	1772	1769	793
35°	1892	1959	2017	2009	1993	1198
45°	2254	2334	2352	2296	2229	1725
55°	1889	1862	1778	1838	1887	1692
65°	1130	1120	1066	1082	1065	1122
75°	477	459	428	441	462	533
85°	160	184	193	187	163	175
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1661.7	1661.7	1661.7	1661.7	1661.7
2.5°	1660.2	1663.2	1664.6	1666.1	1661.7
5°	1660.2	1664.6	1666.1	1669.1	1667.6
7.5°	1663.2	1667.6	1672.1	1675.0	1676.5
10°	1667.6	1672.1	1679.5	1688.4	1688.4
12.5°	1670.6	1678.0	1688.4	1700.3	1701.8
15°	1675.0	1682.5	1700.3	1712.2	1715.1
17.5°	1678.0	1689.9	1710.7	1725.5	1727.0
20°	1683.9	1697.3	1725.5	1738.9	1738.9
22.5°	1692.8	1710.7	1740.4	1752.2	1752.2
25°	1704.7	1727.0	1761.2	1771.6	1768.6
27.5°	1727.0	1753.7	1790.9	1802.7	1799.8
30°	1761.2	1796.8	1836.9	1851.7	1848.8
32.5°	1816.1	1860.6	1911.1	1924.5	1923.0
35°	1891.8	1958.7	2016.6	2009.1	1992.8
37.5°	1979.4	2078.9	2144.3	2074.5	2038.8
40°	2065.6	2200.7	2264.6	2151.7	2096.8
42.5°	2157.6	2295.7	2350.7	2240.8	2163.6
45°	2254.2	2334.4	2352.2	2295.7	2228.9
47.5°	2315.0	2273.5	2234.9	2269.0	2255.6
50°	2270.5	2130.9	2068.5	2133.9	2212.6
52.5°	2101.2	1998.8	1926.0	1986.9	2086.4
55°	1888.9	1862.1	1777.5	1838.4	1887.4
57.5°	1694.3	1715.1	1623.1	1669.1	1676.5
60°	1511.7	1526.5	1446.3	1485.0	1473.1
62.5°	1326.1	1327.6	1265.2	1287.5	1269.6
65°	1130.1	1119.7	1066.2	1082.5	1064.7
67.5°	945.9	922.2	871.7	879.1	862.8
70°	766.2	738.0	690.5	700.9	692.0
72.5°	605.9	583.6	542.0	555.4	564.3
75°	476.7	458.9	427.7	441.0	461.8
77.5°	395.0	372.7	375.7	366.8	381.6
80°	325.2	311.8	323.7	314.8	310.4
82.5°	242.0	255.4	259.9	264.3	242.0
85°	160.4	184.1	193.0	187.1	163.3
87.5°	78.7	99.5	102.5	101.0	84.6
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	20.4	22.2	20.8	22.5	22.8	20.3	22.0	20.6	22.3	22.6
	3H	21.7	23.3	22.1	23.6	24.0	21.4	23.0	21.8	23.3	23.7
	4H	22.1	23.6	22.5	23.9	24.3	21.8	23.3	22.2	23.7	24.0
	6H	22.4	23.8	22.8	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	22.7	24.0	24.4
	12H	22.7	24.0	23.1	24.4	24.8	22.5	23.7	22.9	24.1	24.5
4H	2H	20.9	22.4	21.3	22.7	23.1	20.7	22.2	21.1	22.6	22.9
	3H	22.3	23.6	22.7	24.0	24.4	22.1	23.3	22.5	23.7	24.1
	4H	22.8	23.9	23.2	24.4	24.8	22.6	23.7	23.0	24.1	24.5
	6H	23.3	24.3	23.7	24.7	25.2	23.1	24.0	23.5	24.5	24.9
	8H	23.5	24.4	24.0	24.9	25.3	23.3	24.2	23.7	24.7	25.1
	12H	23.7	24.5	24.2	25.0	25.5	23.5	24.3	24.0	24.8	25.3
8H	4H	23.0	23.9	23.5	24.4	24.8	22.8	23.7	23.2	24.1	24.6
	6H	23.6	24.4	24.1	24.9	25.3	23.4	24.2	23.9	24.7	25.1
	8H	23.9	24.6	24.4	25.1	25.6	23.7	24.4	24.2	24.9	25.4
	12H	24.2	24.8	24.7	25.3	25.9	24.1	24.7	24.6	25.2	25.7
12H	4H	23.0	23.9	23.5	24.3	24.8	22.8	23.6	23.3	24.1	24.6
	6H	23.7	24.4	24.2	24.8	25.4	23.5	24.2	24.0	24.6	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)