

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: P1527311

Luminaire Tested: 22CGSB-70-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527311
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-70-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

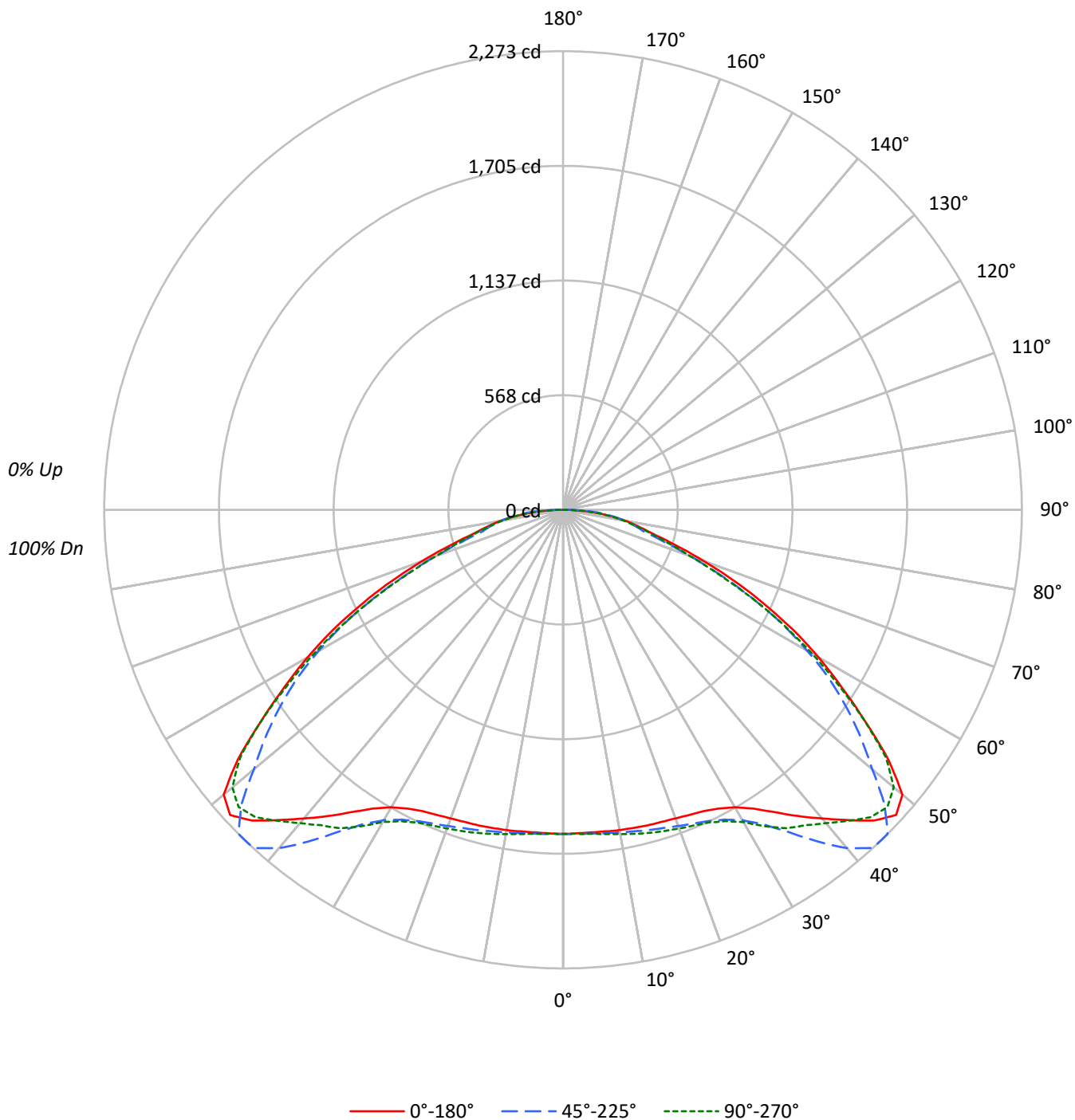
Lumens per Lamp: N/A
Luminaire Lumens: 7598.7 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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°	4322	4322	4322
5°	4334	4350	4354
10°	4404	4435	4459
15°	4510	4578	4618
20°	4661	4776	4813
25°	4892	5054	5075
30°	5289	5517	5552
35°	6007	6403	6327
40°	7013	7689	7119
45°	8291	8652	8198
50°	9187	8370	8953
55°	8565	8060	8558
60°	7864	7523	7662
65°	6954	6562	6553
70°	5827	5251	5262
75°	4790	4297	4641
80°	4871	4849	4649
85°	4786	5761	4875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	2.0
10°-20°	465.7	6.1
20°-30°	787.4	10.4
30°-40°	1210.7	15.9
40°-50°	1682.7	22.1
50°-60°	1583.9	20.8
60°-70°	1046.1	13.8
70°-80°	486.1	6.4
80°-90°	181.9	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°	1407.2	18.5
0°-40°	2618.0	34.5
0°-60°	5884.6	77.4
0°-90°	7598.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7598.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1605	1609	1610	1613	1612	153
15°	1619	1626	1643	1655	1658	459
25°	1648	1669	1702	1712	1709	767
35°	1828	1893	1949	1942	1926	1157
45°	2179	2256	2273	2219	2154	1667
55°	1826	1800	1718	1777	1824	1636
65°	1092	1082	1030	1046	1029	1085
75°	461	444	413	426	446	516
85°	155	178	187	181	158	169
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1606.0	1606.0	1606.0	1606.0	1606.0
2.5°	1604.6	1607.5	1608.9	1610.3	1606.0
5°	1604.6	1608.9	1610.3	1613.2	1611.8
7.5°	1607.5	1611.8	1616.1	1618.9	1620.4
10°	1611.8	1616.1	1623.2	1631.9	1631.9
12.5°	1614.6	1621.8	1631.9	1643.3	1644.8
15°	1618.9	1626.1	1643.3	1654.8	1657.7
17.5°	1621.8	1633.3	1653.4	1667.7	1669.2
20°	1627.5	1640.5	1667.7	1680.7	1680.7
22.5°	1636.2	1653.4	1682.1	1693.6	1693.6
25°	1647.6	1669.2	1702.2	1712.2	1709.4
27.5°	1669.2	1695.0	1730.9	1742.4	1739.5
30°	1702.2	1736.6	1775.4	1789.7	1786.9
32.5°	1755.3	1798.3	1847.1	1860.1	1858.6
35°	1828.5	1893.1	1949.0	1941.9	1926.1
37.5°	1913.2	2009.3	2072.5	2005.0	1970.6
40°	1996.4	2127.0	2188.7	2079.6	2026.5
42.5°	2085.4	2218.9	2272.0	2165.8	2091.1
45°	2178.7	2256.2	2273.4	2218.9	2154.3
47.5°	2237.5	2197.3	2160.0	2193.0	2180.1
50°	2194.5	2059.6	1999.3	2062.4	2138.5
52.5°	2030.8	1931.8	1861.5	1920.3	2016.5
55°	1825.6	1799.8	1718.0	1776.8	1824.2
57.5°	1637.6	1657.7	1568.7	1613.2	1620.4
60°	1461.1	1475.4	1397.9	1435.2	1423.7
62.5°	1281.7	1283.1	1222.8	1244.3	1227.1
65°	1092.2	1082.2	1030.5	1046.3	1029.1
67.5°	914.2	891.3	842.5	849.7	833.9
70°	740.6	713.3	667.4	677.4	668.8
72.5°	585.6	564.0	523.9	536.8	545.4
75°	460.7	443.5	413.3	426.3	446.4
77.5°	381.8	360.2	363.1	354.5	368.9
80°	314.3	301.4	312.9	304.3	300.0
82.5°	233.9	246.9	251.2	255.5	233.9
85°	155.0	178.0	186.6	180.8	157.9
87.5°	76.1	96.2	99.0	97.6	81.8
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	20.3	22.1	20.7	22.4	22.7	20.1	21.9	20.5	22.2	22.5
	3H	21.6	23.2	22.0	23.5	23.9	21.3	22.9	21.7	23.2	23.6
	4H	22.0	23.5	22.4	23.8	24.2	21.7	23.2	22.1	23.5	23.9
	6H	22.3	23.7	22.7	24.1	24.5	22.0	23.4	22.5	23.8	24.2
	8H	22.5	23.8	22.9	24.2	24.6	22.2	23.5	22.6	23.9	24.3
	12H	22.6	23.9	23.0	24.2	24.7	22.3	23.6	22.8	24.0	24.4
4H	2H	20.8	22.3	21.2	22.6	23.0	20.6	22.1	21.0	22.5	22.8
	3H	22.2	23.5	22.6	23.8	24.2	22.0	23.2	22.4	23.6	24.0
	4H	22.7	23.8	23.1	24.2	24.7	22.4	23.6	22.9	24.0	24.4
	6H	23.2	24.2	23.6	24.6	25.1	22.9	23.9	23.4	24.4	24.8
	8H	23.4	24.3	23.8	24.8	25.2	23.2	24.1	23.6	24.5	25.0
	12H	23.6	24.4	24.1	24.9	25.4	23.4	24.2	23.9	24.7	25.2
8H	4H	22.9	23.8	23.3	24.3	24.7	22.7	23.6	23.1	24.0	24.5
	6H	23.5	24.3	24.0	24.8	25.2	23.3	24.1	23.8	24.6	25.0
	8H	23.8	24.5	24.3	25.0	25.5	23.6	24.3	24.1	24.8	25.3
	12H	24.1	24.7	24.6	25.2	25.8	23.9	24.6	24.4	25.1	25.6
12H	4H	22.9	23.8	23.4	24.2	24.7	22.7	23.5	23.2	24.0	24.5
	6H	23.6	24.3	24.1	24.7	25.3	23.4	24.1	23.9	24.5	25.1
	8H	23.9	24.6	24.4	25.0	25.6	23.8	24.4	24.3	24.9	25.4















(END OF REPORT)