

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: P1527301

Luminaire Tested: 22CGSB-60-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527301
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-60-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

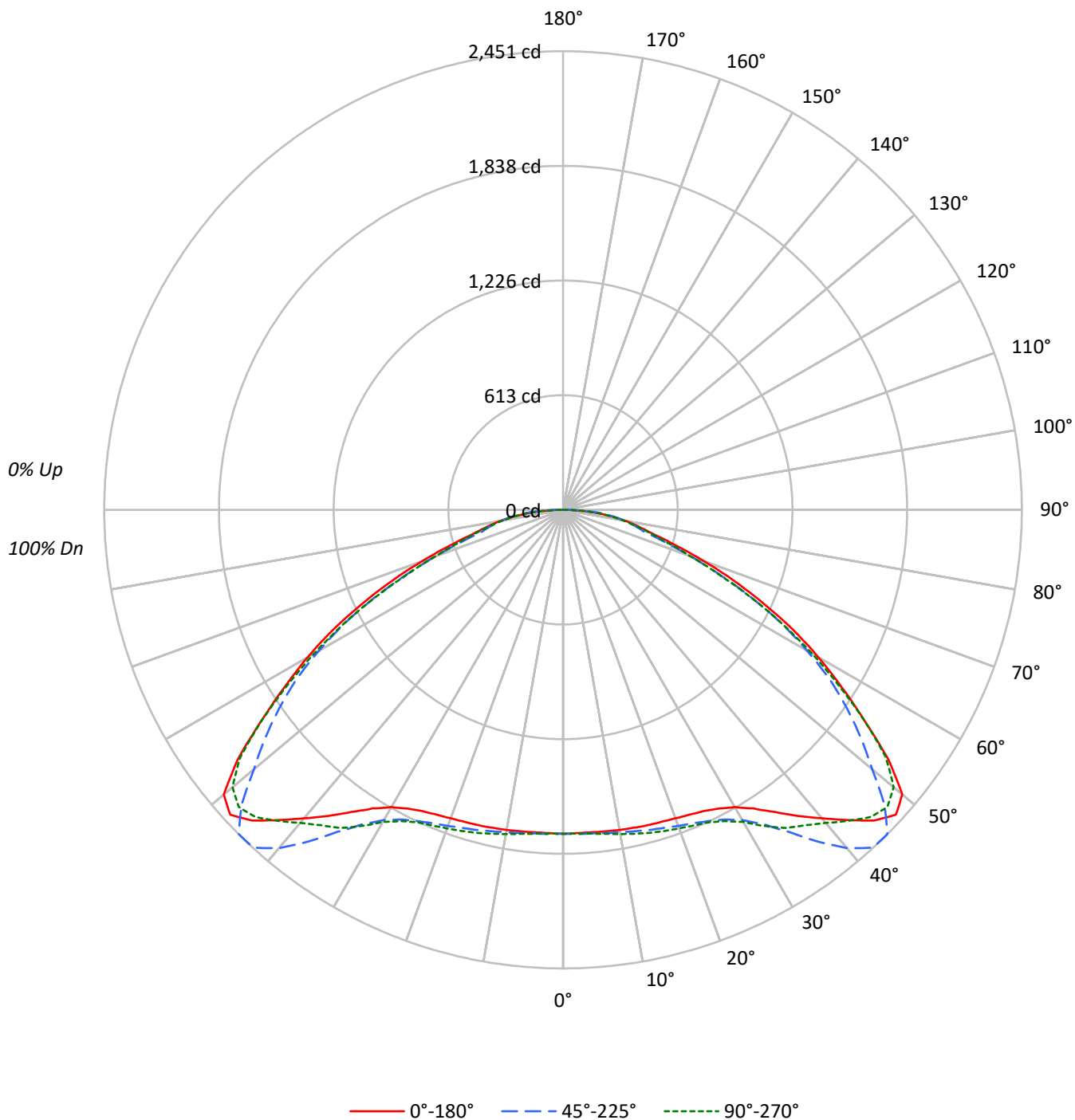
Lumens per Lamp: N/A
Luminaire Lumens: 8190.8 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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°	4659	4659	4659
5°	4672	4689	4693
10°	4747	4781	4806
15°	4862	4935	4978
20°	5024	5148	5188
25°	5273	5448	5471
30°	5701	5946	5985
35°	6475	6902	6820
40°	7560	8288	7674
45°	8937	9326	8837
50°	9903	9022	9650
55°	9233	8688	9225
60°	8476	8110	8260
65°	7496	7073	7063
70°	6281	5660	5672
75°	5163	4633	5002
80°	5250	5227	5010
85°	5159	6209	5255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9903 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	2.0
10°-20°	502.0	6.1
20°-30°	848.8	10.4
30°-40°	1305.1	15.9
40°-50°	1813.8	22.1
50°-60°	1707.4	20.8
60°-70°	1127.6	13.8
70°-80°	524.0	6.4
80°-90°	196.1	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°	1516.9	18.5
0°-40°	2822.0	34.5
0°-60°	6343.1	77.4
0°-90°	8190.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8190.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1731	1731	1731	1731	1731	
5°	1730	1734	1736	1739	1737	165
15°	1745	1753	1771	1784	1787	495
25°	1776	1799	1835	1846	1843	826
35°	1971	2041	2101	2093	2076	1248
45°	2348	2432	2451	2392	2322	1797
55°	1968	1940	1852	1915	1966	1763
65°	1177	1166	1111	1128	1109	1169
75°	497	478	446	460	481	556
85°	167	192	201	195	170	183
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1731.2	1731.2	1731.2	1731.2	1731.2
2.5°	1729.6	1732.7	1734.3	1735.8	1731.2
5°	1729.6	1734.3	1735.8	1738.9	1737.4
7.5°	1732.7	1737.4	1742.0	1745.1	1746.6
10°	1737.4	1742.0	1749.7	1759.0	1759.0
12.5°	1740.5	1748.2	1759.0	1771.4	1772.9
15°	1745.1	1752.8	1771.4	1783.8	1786.9
17.5°	1748.2	1760.6	1782.2	1797.7	1799.2
20°	1754.4	1768.3	1797.7	1811.6	1811.6
22.5°	1763.7	1782.2	1813.2	1825.5	1825.5
25°	1776.0	1799.2	1834.8	1845.7	1842.6
27.5°	1799.2	1827.1	1865.8	1878.1	1875.1
30°	1834.8	1872.0	1913.7	1929.2	1926.1
32.5°	1892.1	1938.5	1991.1	2005.0	2003.5
35°	1971.0	2040.6	2100.9	2093.2	2076.2
37.5°	2062.2	2165.9	2234.0	2161.3	2124.1
40°	2152.0	2292.8	2359.3	2241.7	2184.5
42.5°	2247.9	2391.8	2449.0	2334.5	2254.1
45°	2348.5	2432.0	2450.6	2391.8	2322.2
47.5°	2411.9	2368.6	2328.3	2363.9	2350.0
50°	2365.5	2220.0	2155.1	2223.1	2305.1
52.5°	2189.1	2082.4	2006.6	2070.0	2173.6
55°	1967.9	1940.0	1851.8	1915.3	1966.3
57.5°	1765.2	1786.9	1691.0	1738.9	1746.6
60°	1574.9	1590.4	1506.8	1547.1	1534.7
62.5°	1381.5	1383.1	1318.1	1341.3	1322.7
65°	1177.3	1166.5	1110.8	1127.8	1109.3
67.5°	985.5	960.7	908.1	915.9	898.8
70°	798.3	768.9	719.4	730.2	720.9
72.5°	631.2	608.0	564.7	578.6	587.9
75°	496.6	478.0	445.6	459.5	481.1
77.5°	411.5	388.3	391.4	382.1	397.6
80°	338.8	324.9	337.3	328.0	323.3
82.5°	252.2	266.1	270.7	275.4	252.2
85°	167.1	191.8	201.1	194.9	170.2
87.5°	82.0	103.7	106.7	105.2	88.2
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	20.6	22.3	20.9	22.6	23.0	20.4	22.2	20.8	22.5	22.8
	3H	21.8	23.4	22.2	23.8	24.1	21.6	23.2	21.9	23.5	23.8
	4H	22.2	23.7	22.6	24.1	24.4	22.0	23.4	22.3	23.8	24.2
	6H	22.6	24.0	23.0	24.3	24.7	22.3	23.7	22.7	24.1	24.4
	8H	22.7	24.1	23.1	24.4	24.8	22.5	23.8	22.9	24.2	24.6
	12H	22.8	24.1	23.3	24.5	24.9	22.6	23.9	23.0	24.3	24.7
4H	2H	21.0	22.5	21.4	22.9	23.2	20.9	22.4	21.3	22.7	23.1
	3H	22.5	23.7	22.9	24.1	24.5	22.2	23.5	22.6	23.9	24.3
	4H	23.0	24.1	23.4	24.5	24.9	22.7	23.8	23.1	24.3	24.7
	6H	23.4	24.4	23.9	24.9	25.3	23.2	24.2	23.6	24.6	25.1
	8H	23.6	24.6	24.1	25.0	25.5	23.4	24.4	23.9	24.8	25.3
	12H	23.8	24.7	24.3	25.2	25.6	23.6	24.5	24.1	25.0	25.4
8H	4H	23.1	24.1	23.6	24.5	25.0	22.9	23.8	23.4	24.3	24.7
	6H	23.8	24.5	24.2	25.0	25.5	23.5	24.3	24.0	24.8	25.3
	8H	24.1	24.8	24.6	25.3	25.7	23.9	24.6	24.4	25.1	25.6
	12H	24.4	25.0	24.9	25.5	26.0	24.2	24.8	24.7	25.3	25.9
12H	4H	23.2	24.0	23.7	24.5	25.0	22.9	23.8	23.4	24.3	24.7
	6H	23.8	24.5	24.3	25.0	25.5	23.6	24.3	24.1	24.8	25.3
	8H	24.2	24.8	24.7	25.3	25.9	24.0	24.7	24.5	25.1	25.7













(END OF REPORT)