

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: P1527379

Luminaire Tested: 24CGSB-80-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-80-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

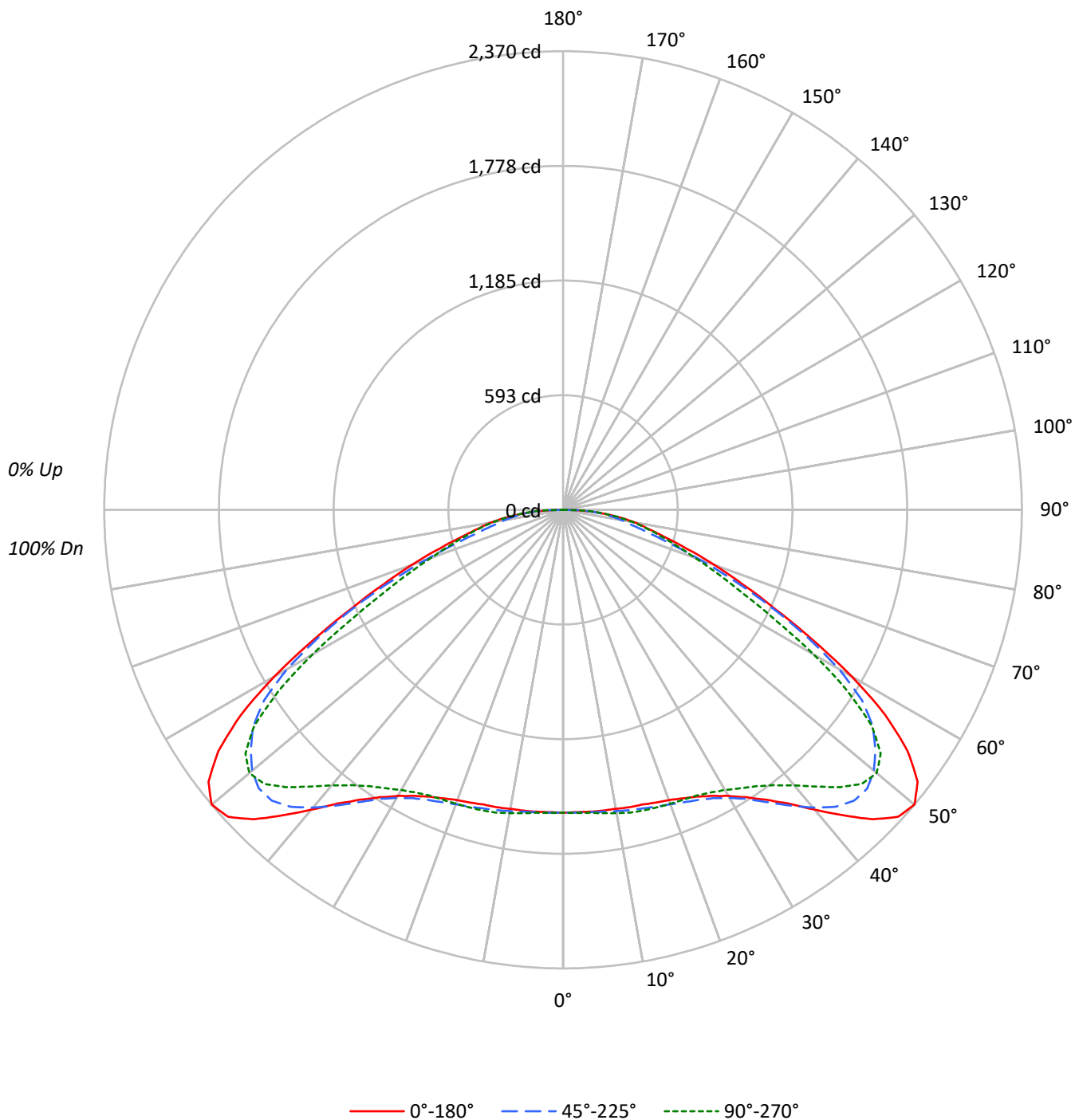
Lumens per Lamp: N/A
Luminaire Lumens: 7811.2 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.9
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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82						
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66						
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54						
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44						
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37						
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31						
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27						
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23						
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20						
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2105	2105	2105
5°	2115	2119	2123
10°	2143	2160	2175
15°	2197	2225	2240
20°	2285	2318	2314
25°	2427	2456	2419
30°	2652	2671	2597
35°	3003	3030	2863
40°	3551	3528	3264
45°	4303	4046	3855
50°	4960	4388	4428
55°	5098	4584	4568
60°	4633	4429	4022
65°	3832	3763	3281
70°	3272	2948	2852
75°	2833	2348	2700
80°	2934	2379	2840
85°	2964	2861	3152

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.2	1.9
10°-20°	452.9	5.8
20°-30°	765.0	9.8
30°-40°	1151.6	14.7
40°-50°	1637.6	21.0
50°-60°	1757.5	22.5
60°-70°	1145.3	14.7
70°-80°	550.7	7.1
80°-90°	200.4	2.6
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°	1368.1	17.5
0°-40°	2519.7	32.3
0°-60°	5914.7	75.7
0°-90°	7811.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7811.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1565	1565	1565	1565	1565	
5°	1566	1568	1569	1574	1572	150
15°	1577	1585	1597	1607	1608	448
25°	1635	1650	1654	1639	1630	761
35°	1828	1864	1845	1782	1743	1161
45°	2261	2206	2126	2071	2026	1736
55°	2173	2118	1954	1898	1948	1901
65°	1204	1194	1182	1055	1031	1218
75°	545	515	452	514	519	599
85°	192	180	185	191	204	209
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1564.8	1564.8	1564.8	1564.8	1564.8
2.5°	1563.4	1564.8	1566.1	1567.5	1567.5
5°	1566.1	1567.5	1568.8	1574.3	1571.5
7.5°	1567.5	1568.8	1572.9	1581.0	1581.0
10°	1568.8	1572.9	1581.0	1589.1	1591.8
12.5°	1574.3	1578.3	1589.1	1599.9	1602.7
15°	1577.0	1585.1	1597.2	1606.7	1608.1
17.5°	1586.4	1594.5	1608.1	1612.1	1612.1
20°	1595.9	1606.7	1618.9	1618.9	1616.2
22.5°	1613.5	1625.6	1635.1	1627.0	1621.6
25°	1635.1	1650.0	1654.0	1639.2	1629.7
27.5°	1666.2	1685.2	1679.7	1659.5	1647.3
30°	1706.8	1731.1	1719.0	1689.2	1671.6
32.5°	1760.9	1790.6	1770.4	1732.5	1705.4
35°	1828.5	1863.7	1844.7	1782.5	1743.3
37.5°	1912.4	1948.9	1925.9	1846.1	1793.3
40°	2021.9	2040.8	2008.4	1921.8	1858.3
42.5°	2140.9	2131.5	2081.4	2001.6	1939.4
45°	2261.3	2205.8	2126.1	2070.6	2026.0
47.5°	2347.9	2245.1	2131.5	2103.1	2094.9
50°	2369.5	2237.0	2096.3	2085.5	2115.2
52.5°	2308.6	2193.7	2032.7	2013.8	2067.9
55°	2173.4	2117.9	1954.3	1897.5	1947.5
57.5°	1974.6	1970.5	1829.9	1728.4	1742.0
60°	1721.7	1737.9	1645.9	1502.6	1494.5
62.5°	1448.5	1457.9	1417.4	1268.6	1240.2
65°	1203.7	1194.2	1182.0	1054.9	1030.6
67.5°	1002.2	973.8	954.8	877.7	865.6
70°	831.8	787.1	749.3	737.1	724.9
72.5°	673.5	641.1	580.2	614.0	612.7
75°	545.0	515.3	451.7	513.9	519.3
77.5°	446.3	426.0	365.2	422.0	439.5
80°	378.7	336.8	307.0	343.5	366.5
82.5°	289.4	257.0	250.2	265.1	286.7
85°	192.0	179.9	185.3	190.7	204.2
87.5°	97.4	104.1	112.3	121.7	128.5
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	19.0	20.8	19.3	21.1	21.4	18.1	19.9	18.4	20.2	20.5
	3H	20.1	21.7	20.5	22.0	22.4	19.2	20.8	19.6	21.1	21.5
	4H	20.5	22.0	20.9	22.4	22.7	19.7	21.2	20.1	21.5	21.9
	6H	20.8	22.3	21.2	22.6	23.0	20.1	21.5	20.5	21.9	22.3
	8H	21.0	22.4	21.4	22.7	23.1	20.3	21.7	20.7	22.1	22.4
	12H	21.1	22.4	21.6	22.8	23.2	20.5	21.8	20.9	22.2	22.6
4H	2H	19.4	20.9	19.8	21.3	21.6	18.6	20.2	19.0	20.5	20.9
	3H	20.7	22.0	21.1	22.3	22.7	20.0	21.2	20.4	21.6	22.0
	4H	21.2	22.3	21.6	22.7	23.2	20.5	21.7	21.0	22.1	22.5
	6H	21.7	22.7	22.1	23.1	23.6	21.1	22.1	21.6	22.6	23.0
	8H	21.9	22.8	22.3	23.3	23.7	21.4	22.3	21.8	22.8	23.2
	12H	22.1	22.9	22.6	23.4	23.9	21.6	22.5	22.1	23.0	23.4
8H	4H	21.3	22.3	21.8	22.7	23.2	20.7	21.7	21.2	22.1	22.6
	6H	21.9	22.7	22.4	23.2	23.7	21.4	22.2	21.9	22.7	23.2
	8H	22.2	23.0	22.7	23.5	23.9	21.8	22.5	22.3	23.0	23.5
	12H	22.5	23.2	23.0	23.7	24.2	22.2	22.8	22.7	23.3	23.8
12H	4H	21.4	22.2	21.8	22.7	23.2	20.8	21.6	21.3	22.1	22.6
	6H	22.0	22.7	22.5	23.2	23.7	21.5	22.2	22.0	22.7	23.2
	8H	22.3	23.0	22.8	23.5	24.0	21.9	22.6	22.4	23.1	23.6













(END OF REPORT)