

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: P1527392

Luminaire Tested: 24CGSB-90-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527392
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-90-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

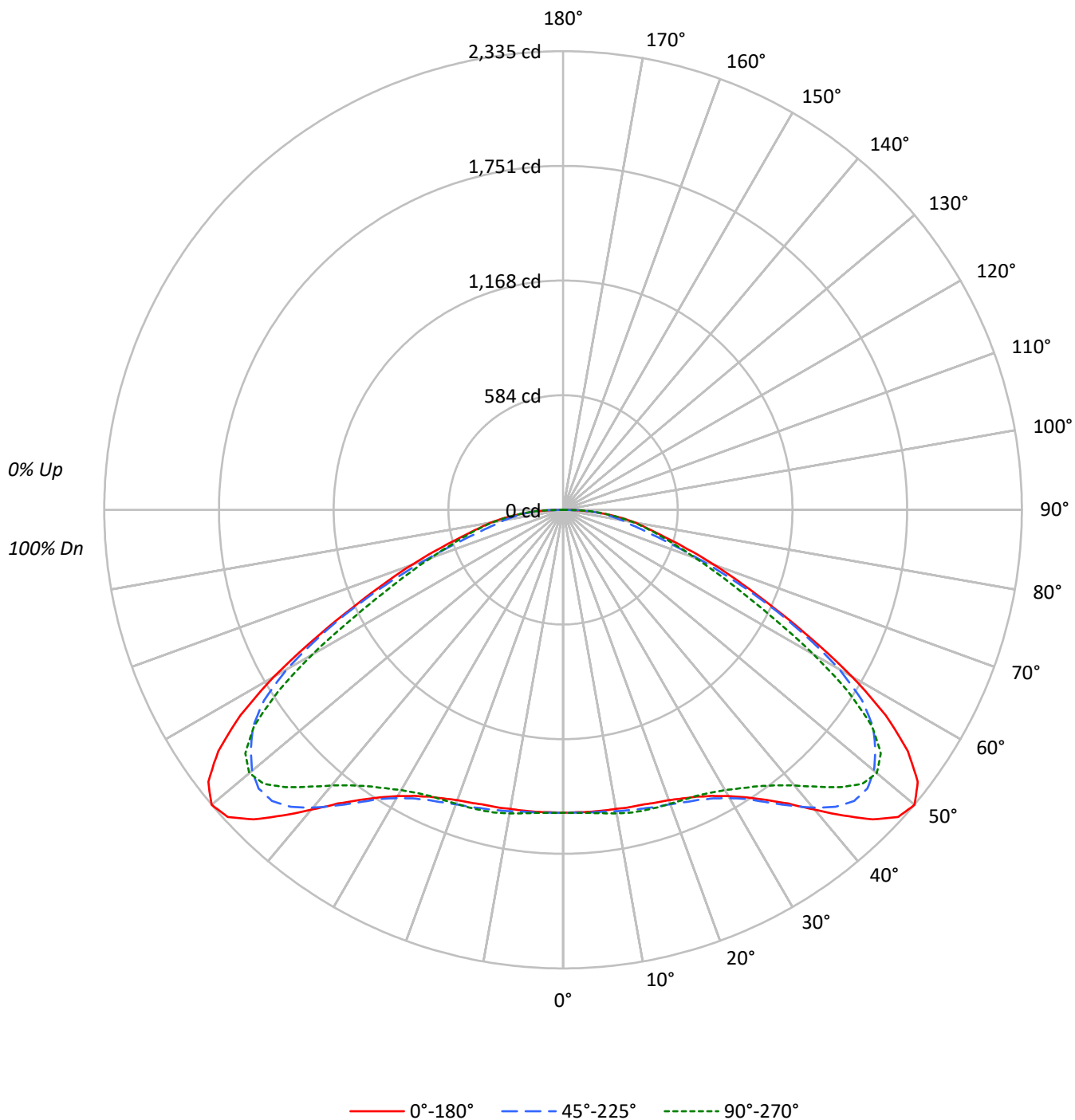
Lumens per Lamp: N/A
Luminaire Lumens: 7698.5 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.9
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°	2075	2075	2075
5°	2085	2088	2092
10°	2112	2129	2144
15°	2165	2193	2208
20°	2252	2285	2281
25°	2392	2420	2385
30°	2614	2632	2560
35°	2960	2986	2822
40°	3500	3477	3217
45°	4241	3987	3800
50°	4888	4325	4364
55°	5025	4518	4503
60°	4566	4365	3964
65°	3777	3709	3234
70°	3225	2905	2811
75°	2793	2314	2661
80°	2892	2345	2799
85°	2922	2819	3108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	1.9
10°-20°	446.4	5.8
20°-30°	754.0	9.8
30°-40°	1135.0	14.7
40°-50°	1614.0	21.0
50°-60°	1732.1	22.5
60°-70°	1128.8	14.7
70°-80°	542.8	7.1
80°-90°	197.5	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°	1348.4	17.5
0°-40°	2483.4	32.3
0°-60°	5829.4	75.7
0°-90°	7698.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7698.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1544	1545	1546	1552	1549	147
15°	1554	1562	1574	1584	1585	442
25°	1612	1626	1630	1616	1606	750
35°	1802	1837	1818	1757	1718	1144
45°	2229	2174	2095	2041	1997	1711
55°	2142	2087	1926	1870	1919	1874
65°	1186	1177	1165	1040	1016	1200
75°	537	508	445	506	512	590
85°	189	177	183	188	201	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.2	1542.2	1542.2	1542.2	1542.2
2.5°	1540.9	1542.2	1543.6	1544.9	1544.9
5°	1543.6	1544.9	1546.2	1551.6	1548.9
7.5°	1544.9	1546.2	1550.2	1558.2	1558.2
10°	1546.2	1550.2	1558.2	1566.2	1568.9
12.5°	1551.6	1555.6	1566.2	1576.9	1579.5
15°	1554.2	1562.2	1574.2	1583.5	1584.9
17.5°	1563.5	1571.5	1584.9	1588.9	1588.9
20°	1572.9	1583.5	1595.5	1595.5	1592.9
22.5°	1590.2	1602.2	1611.5	1603.5	1598.2
25°	1611.5	1626.2	1630.2	1615.5	1606.2
27.5°	1642.2	1660.9	1655.5	1635.5	1623.5
30°	1682.2	1706.2	1694.2	1664.9	1647.5
32.5°	1735.5	1764.8	1744.8	1707.5	1680.8
35°	1802.1	1836.8	1818.1	1756.8	1718.2
37.5°	1884.8	1920.8	1898.1	1819.5	1767.5
40°	1992.8	2011.4	1979.4	1894.1	1831.5
42.5°	2110.1	2100.7	2051.4	1972.8	1911.4
45°	2228.7	2174.0	2095.4	2040.7	1996.8
47.5°	2314.0	2212.7	2100.7	2072.7	2064.7
50°	2335.3	2204.7	2066.1	2055.4	2084.7
52.5°	2275.3	2162.0	2003.4	1984.8	2038.1
55°	2142.0	2087.4	1926.1	1870.1	1919.4
57.5°	1946.1	1942.1	1803.5	1703.5	1716.8
60°	1696.8	1712.8	1622.2	1480.9	1472.9
62.5°	1427.6	1436.9	1396.9	1250.3	1222.3
65°	1186.3	1177.0	1165.0	1039.7	1015.7
67.5°	987.7	959.7	941.1	865.1	853.1
70°	819.8	775.8	738.5	726.5	714.5
72.5°	663.8	631.8	571.8	605.2	603.8
75°	537.2	507.9	445.2	506.5	511.9
77.5°	439.9	419.9	359.9	415.9	433.2
80°	373.2	331.9	302.6	338.6	361.2
82.5°	285.3	253.3	246.6	261.3	282.6
85°	189.3	177.3	182.6	187.9	201.3
87.5°	96.0	102.6	110.6	120.0	126.6
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	18.9	20.7	19.3	21.0	21.3	18.0	19.8	18.4	20.1	20.4
	3H	20.0	21.7	20.4	22.0	22.3	19.2	20.8	19.5	21.1	21.5
	4H	20.4	22.0	20.8	22.3	22.7	19.6	21.1	20.0	21.5	21.9
	6H	20.8	22.2	21.2	22.6	23.0	20.1	21.5	20.5	21.8	22.2
	8H	20.9	22.3	21.4	22.7	23.1	20.3	21.6	20.7	22.0	22.4
	12H	21.1	22.4	21.5	22.8	23.2	20.4	21.7	20.9	22.1	22.5
4H	2H	19.3	20.9	19.7	21.2	21.6	18.6	20.1	19.0	20.5	20.8
	3H	20.6	21.9	21.0	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	4H	21.1	22.3	21.6	22.7	23.1	20.5	21.6	20.9	22.1	22.5
	6H	21.6	22.6	22.1	23.1	23.5	21.1	22.1	21.5	22.5	23.0
	8H	21.8	22.8	22.3	23.2	23.7	21.3	22.3	21.8	22.7	23.2
	12H	22.0	22.9	22.5	23.4	23.8	21.6	22.4	22.0	22.9	23.4
8H	4H	21.3	22.2	21.7	22.7	23.1	20.7	21.6	21.2	22.1	22.6
	6H	21.9	22.7	22.4	23.2	23.6	21.4	22.2	21.9	22.7	23.2
	8H	22.2	22.9	22.7	23.4	23.9	21.8	22.5	22.3	23.0	23.5
	12H	22.5	23.1	23.0	23.6	24.2	22.1	22.7	22.6	23.2	23.8
12H	4H	21.3	22.2	21.8	22.6	23.1	20.7	21.6	21.2	22.1	22.5
	6H	21.9	22.7	22.5	23.1	23.7	21.5	22.2	22.0	22.7	23.2
	8H	22.3	22.9	22.8	23.4	24.0	21.9	22.5	22.4	23.0	23.6













(END OF REPORT)