

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: P1527391

Luminaire Tested: 24CGSB-90-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527391
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

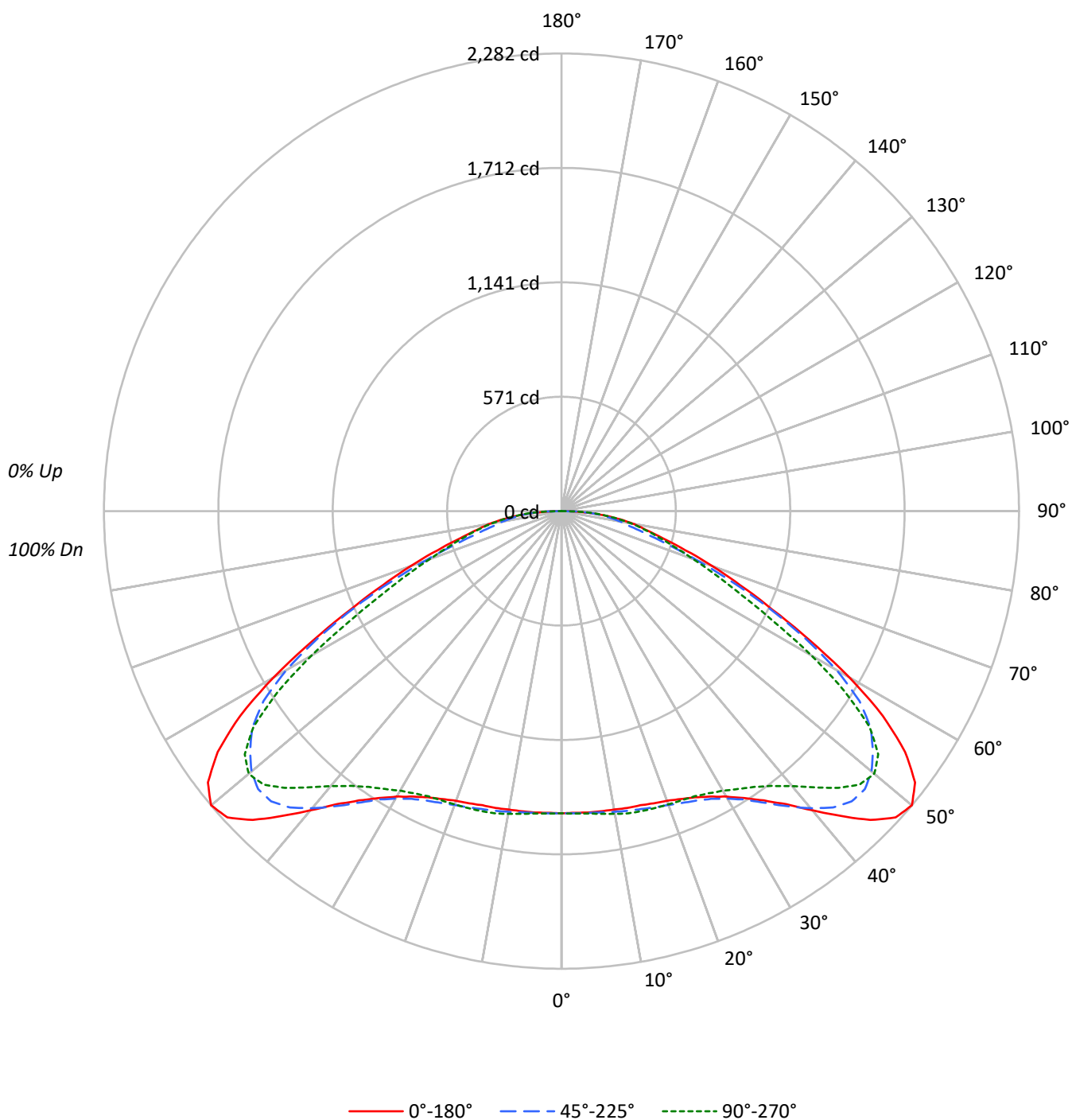
Lumens per Lamp: N/A
Luminaire Lumens: 7521.6 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	2027	2027	2027
5°	2037	2040	2044
10°	2064	2080	2094
15°	2115	2142	2157
20°	2200	2232	2228
25°	2337	2364	2330
30°	2553	2572	2501
35°	2892	2918	2757
40°	3420	3397	3143
45°	4143	3895	3712
50°	4776	4225	4263
55°	4909	4414	4399
60°	4461	4265	3872
65°	3690	3624	3160
70°	3151	2838	2746
75°	2728	2261	2600
80°	2825	2290	2734
85°	2854	2754	3035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	1.9
10°-20°	436.1	5.8
20°-30°	736.7	9.8
30°-40°	1108.9	14.7
40°-50°	1576.9	21.0
50°-60°	1692.3	22.5
60°-70°	1102.9	14.7
70°-80°	530.3	7.0
80°-90°	193.0	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°	1317.4	17.5
0°-40°	2426.3	32.3
0°-60°	5695.4	75.7
0°-90°	7521.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7521.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1507	1507	1507	1507	1507	
5°	1508	1509	1511	1516	1513	144
15°	1518	1526	1538	1547	1548	432
25°	1574	1589	1593	1578	1569	733
35°	1761	1795	1776	1716	1679	1118
45°	2178	2124	2047	1994	1951	1672
55°	2093	2039	1882	1827	1875	1831
65°	1159	1150	1138	1016	992	1173
75°	525	496	435	495	500	576
85°	185	173	178	184	197	201
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1506.8	1506.8	1506.8	1506.8	1506.8
2.5°	1505.5	1506.8	1508.1	1509.4	1509.4
5°	1508.1	1509.4	1510.7	1515.9	1513.3
7.5°	1509.4	1510.7	1514.6	1522.4	1522.4
10°	1510.7	1514.6	1522.4	1530.2	1532.8
12.5°	1515.9	1519.8	1530.2	1540.6	1543.2
15°	1518.5	1526.3	1538.0	1547.1	1548.4
17.5°	1527.6	1535.4	1548.4	1552.3	1552.3
20°	1536.7	1547.1	1558.9	1558.9	1556.3
22.5°	1553.7	1565.4	1574.5	1566.7	1561.5
25°	1574.5	1588.8	1592.7	1578.4	1569.3
27.5°	1604.4	1622.7	1617.5	1597.9	1586.2
30°	1643.5	1667.0	1655.2	1626.6	1609.7
32.5°	1695.6	1724.3	1704.7	1668.3	1642.2
35°	1760.7	1794.6	1776.3	1716.4	1678.7
37.5°	1841.5	1876.6	1854.5	1777.6	1726.9
40°	1946.9	1965.2	1933.9	1850.6	1789.4
42.5°	2061.6	2052.4	2004.2	1927.4	1867.5
45°	2177.5	2124.1	2047.2	1993.8	1950.9
47.5°	2260.8	2161.8	2052.4	2025.1	2017.3
50°	2281.6	2154.0	2018.6	2008.2	2036.8
52.5°	2223.0	2112.3	1957.4	1939.1	1991.2
55°	2092.8	2039.4	1881.8	1827.1	1875.3
57.5°	1901.4	1897.5	1762.0	1664.3	1677.4
60°	1657.8	1673.5	1584.9	1446.9	1439.0
62.5°	1394.8	1403.9	1364.8	1221.6	1194.2
65°	1159.1	1149.9	1138.2	1015.8	992.4
67.5°	965.0	937.7	919.4	845.2	833.5
70°	800.9	757.9	721.5	709.8	698.0
72.5°	648.5	617.3	558.7	591.2	589.9
75°	524.8	496.2	435.0	494.9	500.1
77.5°	429.8	410.2	351.6	406.3	423.2
80°	364.6	324.3	295.6	330.8	352.9
82.5°	278.7	247.4	240.9	255.3	276.1
85°	184.9	173.2	178.4	183.6	196.6
87.5°	93.8	100.3	108.1	117.2	123.7
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	20.6	19.2	20.9	21.3	17.9	19.7	18.3	20.0	20.4
	3H	20.0	21.6	20.3	21.9	22.3	19.1	20.7	19.5	21.0	21.4
	4H	20.3	21.9	20.7	22.2	22.6	19.5	21.1	19.9	21.4	21.8
	6H	20.7	22.1	21.1	22.5	22.9	20.0	21.4	20.4	21.8	22.1
	8H	20.9	22.2	21.3	22.6	23.0	20.2	21.5	20.6	21.9	22.3
	12H	21.0	22.3	21.4	22.7	23.1	20.4	21.7	20.8	22.0	22.5
4H	2H	19.3	20.8	19.7	21.1	21.5	18.5	20.0	18.9	20.4	20.7
	3H	20.5	21.8	20.9	22.2	22.6	19.8	21.1	20.2	21.5	21.9
	4H	21.0	22.2	21.5	22.6	23.0	20.4	21.6	20.8	22.0	22.4
	6H	21.5	22.6	22.0	23.0	23.4	21.0	22.0	21.4	22.4	22.9
	8H	21.8	22.7	22.2	23.2	23.6	21.2	22.2	21.7	22.6	23.1
	12H	22.0	22.8	22.4	23.3	23.8	21.5	22.4	22.0	22.8	23.3
8H	4H	21.2	22.2	21.7	22.6	23.1	20.6	21.6	21.1	22.0	22.5
	6H	21.8	22.6	22.3	23.1	23.6	21.3	22.1	21.8	22.6	23.1
	8H	22.1	22.8	22.6	23.3	23.8	21.7	22.4	22.2	22.9	23.4
	12H	22.4	23.0	22.9	23.5	24.1	22.0	22.7	22.5	23.2	23.7
12H	4H	21.2	22.1	21.7	22.6	23.0	20.6	21.5	21.1	22.0	22.5
	6H	21.9	22.6	22.4	23.0	23.6	21.4	22.1	21.9	22.6	23.1
	8H	22.2	22.9	22.7	23.3	23.9	21.8	22.4	22.3	22.9	23.5













(END OF REPORT)