

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: P1526923

Luminaire Tested: 24CGTX-65-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526923
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: 24CGTX-65-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

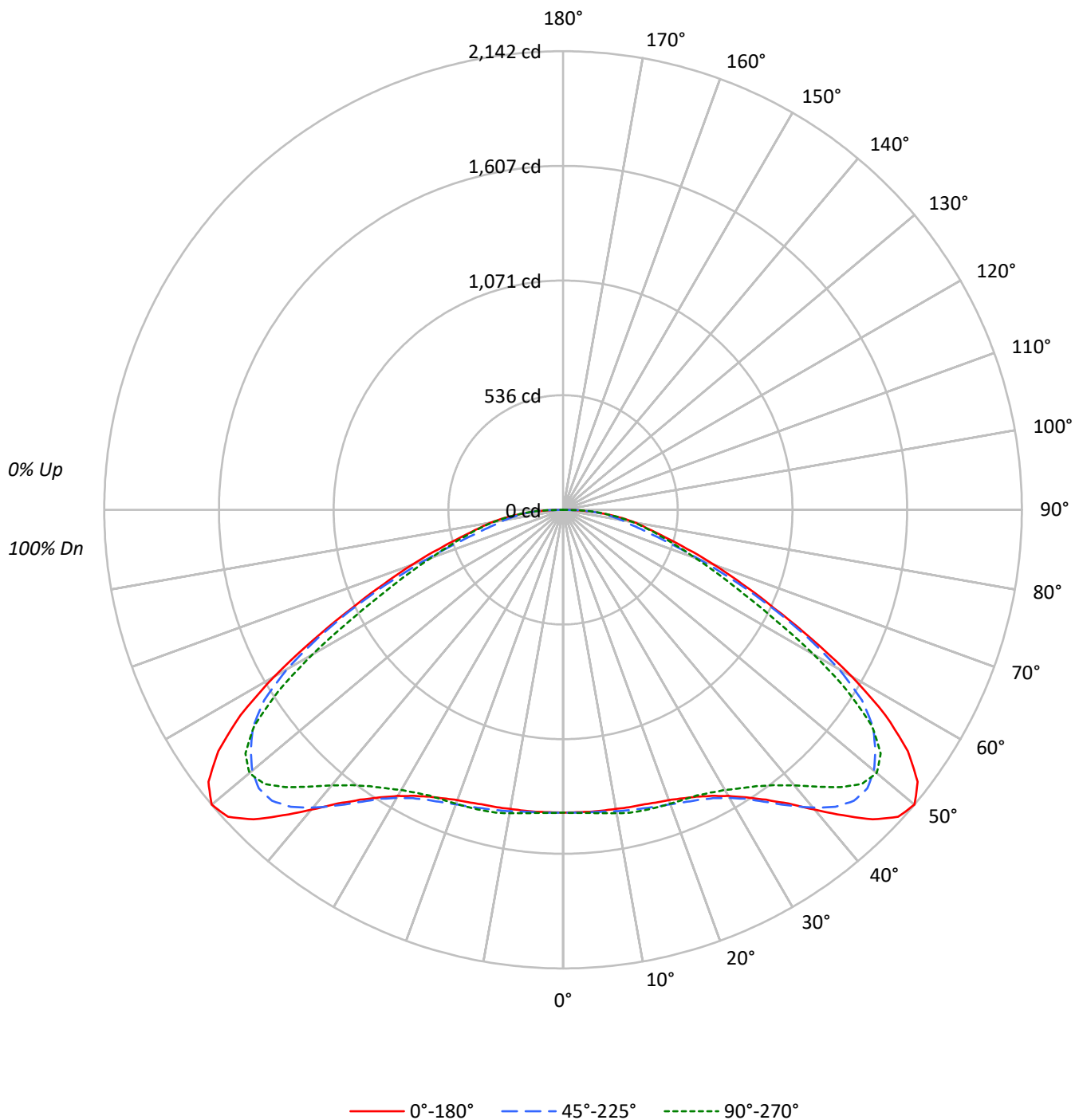
Lumens per Lamp: N/A
Luminaire Lumens: 7060.4 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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	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°	1903	1903	1903
5°	1912	1915	1919
10°	1937	1953	1966
15°	1986	2011	2025
20°	2065	2095	2092
25°	2194	2220	2187
30°	2397	2414	2348
35°	2715	2739	2588
40°	3210	3189	2950
45°	3889	3657	3484
50°	4483	3966	4002
55°	4608	4144	4129
60°	4188	4003	3635
65°	3464	3401	2966
70°	2958	2664	2578
75°	2561	2123	2440
80°	2652	2150	2567
85°	2680	2586	2850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	1.9
10°-20°	409.4	5.8
20°-30°	691.5	9.8
30°-40°	1041.0	14.7
40°-50°	1480.2	21.0
50°-60°	1588.5	22.5
60°-70°	1035.2	14.7
70°-80°	497.8	7.1
80°-90°	181.2	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°	1236.6	17.5
0°-40°	2277.6	32.3
0°-60°	5346.3	75.7
0°-90°	7060.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7060.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1416	1417	1418	1423	1420	135
15°	1425	1433	1444	1452	1454	405
25°	1478	1491	1495	1482	1473	688
35°	1653	1685	1667	1611	1576	1049
45°	2044	1994	1922	1872	1831	1569
55°	1964	1914	1766	1715	1760	1719
65°	1088	1079	1068	954	932	1101
75°	493	466	408	464	469	541
85°	174	163	168	172	185	189
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1414.4	1414.4	1414.4	1414.4	1414.4
2.5°	1413.2	1414.4	1415.6	1416.8	1416.8
5°	1415.6	1416.8	1418.1	1422.9	1420.5
7.5°	1416.8	1418.1	1421.7	1429.1	1429.1
10°	1418.1	1421.7	1429.1	1436.4	1438.8
12.5°	1422.9	1426.6	1436.4	1446.2	1448.6
15°	1425.4	1432.7	1443.7	1452.3	1453.5
17.5°	1433.9	1441.3	1453.5	1457.2	1457.2
20°	1442.5	1452.3	1463.3	1463.3	1460.8
22.5°	1458.4	1469.4	1478.0	1470.6	1465.7
25°	1478.0	1491.4	1495.1	1481.6	1473.1
27.5°	1506.1	1523.2	1518.3	1500.0	1489.0
30°	1542.7	1564.8	1553.7	1526.9	1511.0
32.5°	1591.6	1618.5	1600.2	1566.0	1541.5
35°	1652.8	1684.6	1667.4	1611.2	1575.8
37.5°	1728.6	1761.6	1740.8	1668.7	1621.0
40°	1827.6	1844.7	1815.4	1737.1	1679.7
42.5°	1935.2	1926.6	1881.4	1809.2	1753.0
45°	2044.0	1993.8	1921.7	1871.6	1831.2
47.5°	2122.2	2029.3	1926.6	1900.9	1893.6
50°	2141.8	2022.0	1894.8	1885.0	1911.9
52.5°	2086.7	1982.8	1837.4	1820.2	1869.1
55°	1964.5	1914.4	1766.5	1715.1	1760.3
57.5°	1784.8	1781.1	1654.0	1562.3	1574.5
60°	1556.2	1570.9	1487.7	1358.2	1350.8
62.5°	1309.3	1317.8	1281.1	1146.7	1121.0
65°	1088.0	1079.4	1068.4	953.5	931.5
67.5°	905.8	880.2	863.1	793.4	782.4
70°	751.8	711.5	677.2	666.2	655.2
72.5°	608.8	579.4	524.4	555.0	553.8
75°	492.7	465.8	408.3	464.5	469.4
77.5°	403.4	385.1	330.1	381.4	397.3
80°	342.3	304.4	277.5	310.5	331.3
82.5°	261.6	232.3	226.2	239.6	259.2
85°	173.6	162.6	167.5	172.4	184.6
87.5°	88.0	94.1	101.5	110.0	116.1
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	18.6	20.4	19.0	20.7	21.0	17.7	19.5	18.1	19.8	20.1
	3H	19.7	21.4	20.1	21.7	22.0	18.9	20.5	19.2	20.8	21.2
	4H	20.1	21.7	20.5	22.0	22.4	19.3	20.8	19.7	21.2	21.6
	6H	20.5	21.9	20.9	22.3	22.7	19.8	21.2	20.2	21.5	21.9
	8H	20.6	22.0	21.1	22.4	22.8	20.0	21.3	20.4	21.7	22.1
	12H	20.8	22.1	21.2	22.5	22.9	20.1	21.4	20.6	21.8	22.2
4H	2H	19.0	20.6	19.4	20.9	21.3	18.3	19.8	18.7	20.2	20.5
	3H	20.3	21.6	20.7	22.0	22.4	19.6	20.9	20.0	21.3	21.7
	4H	20.8	22.0	21.3	22.4	22.8	20.2	21.3	20.6	21.8	22.2
	6H	21.3	22.3	21.8	22.8	23.2	20.8	21.8	21.2	22.2	22.7
	8H	21.5	22.5	22.0	22.9	23.4	21.0	22.0	21.5	22.4	22.9
	12H	21.7	22.6	22.2	23.1	23.5	21.3	22.1	21.7	22.6	23.1
8H	4H	21.0	21.9	21.4	22.4	22.8	20.4	21.3	20.9	21.8	22.3
	6H	21.6	22.4	22.1	22.9	23.3	21.1	21.9	21.6	22.4	22.9
	8H	21.9	22.6	22.4	23.1	23.6	21.5	22.2	22.0	22.7	23.2
	12H	22.2	22.8	22.7	23.3	23.9	21.8	22.4	22.3	22.9	23.5
12H	4H	21.0	21.9	21.5	22.3	22.8	20.4	21.3	20.9	21.8	22.2
	6H	21.6	22.4	22.2	22.8	23.4	21.2	21.9	21.7	22.3	22.9
	8H	22.0	22.6	22.5	23.1	23.7	21.6	22.2	22.1	22.7	23.3















(END OF REPORT)