

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: P1526935

Luminaire Tested: 24CGTX-72HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526935
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-72HE-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

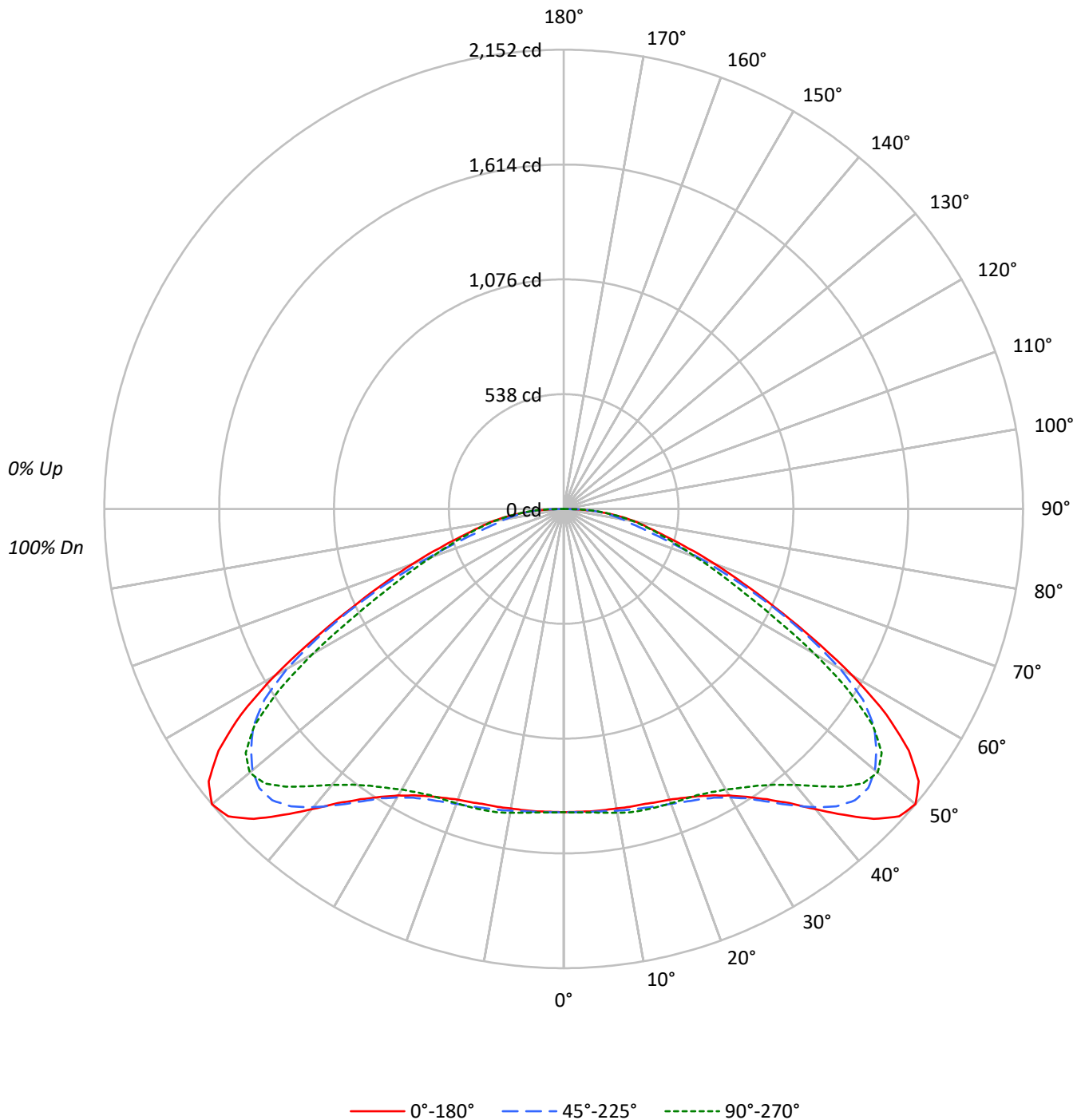
Lumens per Lamp: N/A
Luminaire Lumens: 7093.4 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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	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°	1912	1912	1912
5°	1921	1924	1927
10°	1946	1962	1975
15°	1995	2020	2034
20°	2075	2105	2102
25°	2204	2230	2197
30°	2408	2425	2358
35°	2727	2752	2600
40°	3225	3203	2964
45°	3907	3674	3501
50°	4504	3985	4021
55°	4630	4163	4149
60°	4207	4022	3652
65°	3480	3417	2980
70°	2971	2677	2590
75°	2573	2132	2452
80°	2665	2160	2579
85°	2692	2598	2864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.9
10°-20°	411.3	5.8
20°-30°	694.7	9.8
30°-40°	1045.8	14.7
40°-50°	1487.1	21.0
50°-60°	1596.0	22.5
60°-70°	1040.1	14.7
70°-80°	500.1	7.1
80°-90°	182.0	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°	1242.4	17.5
0°-40°	2288.2	32.3
0°-60°	5371.3	75.7
0°-90°	7093.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7093.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1421	1421	1421	1421	1421	
5°	1422	1424	1425	1430	1427	136
15°	1432	1439	1450	1459	1460	407
25°	1485	1498	1502	1489	1480	691
35°	1660	1692	1675	1619	1583	1054
45°	2054	2003	1931	1880	1840	1576
55°	1974	1923	1775	1723	1769	1727
65°	1093	1084	1073	958	936	1106
75°	495	468	410	467	472	544
85°	174	163	168	173	186	190
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1421.0	1421.0	1421.0	1421.0	1421.0
2.5°	1419.8	1421.0	1422.2	1423.5	1423.5
5°	1422.2	1423.5	1424.7	1429.6	1427.1
7.5°	1423.5	1424.7	1428.4	1435.7	1435.7
10°	1424.7	1428.4	1435.7	1443.1	1445.6
12.5°	1429.6	1433.3	1443.1	1452.9	1455.4
15°	1432.1	1439.4	1450.5	1459.1	1460.3
17.5°	1440.7	1448.0	1460.3	1464.0	1464.0
20°	1449.2	1459.1	1470.1	1470.1	1467.7
22.5°	1465.2	1476.3	1484.9	1477.5	1472.6
25°	1484.9	1498.4	1502.1	1488.6	1480.0
27.5°	1513.1	1530.3	1525.4	1507.0	1495.9
30°	1550.0	1572.1	1561.0	1534.0	1518.0
32.5°	1599.1	1626.1	1607.7	1573.3	1548.7
35°	1660.5	1692.4	1675.2	1618.7	1583.1
37.5°	1736.6	1769.8	1748.9	1676.5	1628.6
40°	1836.1	1853.3	1823.8	1745.2	1687.5
42.5°	1944.2	1935.6	1890.2	1817.7	1761.2
45°	2053.5	2003.2	1930.7	1880.3	1839.8
47.5°	2132.1	2038.8	1935.6	1909.8	1902.4
50°	2151.8	2031.4	1903.7	1893.8	1920.9
52.5°	2096.5	1992.1	1846.0	1828.8	1877.9
55°	1973.7	1923.3	1774.7	1723.1	1768.6
57.5°	1793.1	1789.5	1661.7	1569.6	1581.9
60°	1563.5	1578.2	1494.7	1364.5	1357.1
62.5°	1315.4	1324.0	1287.1	1152.0	1126.2
65°	1093.1	1084.5	1073.4	958.0	935.9
67.5°	910.1	884.3	867.1	797.1	786.0
70°	755.3	714.8	680.4	669.4	658.3
72.5°	611.6	582.2	526.9	557.6	556.4
75°	495.0	467.9	410.2	466.7	471.6
77.5°	405.3	386.9	331.6	383.2	399.2
80°	343.9	305.8	278.8	312.0	332.8
82.5°	262.8	233.4	227.2	240.7	260.4
85°	174.4	163.3	168.3	173.2	185.5
87.5°	88.4	94.6	101.9	110.5	116.7
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	18.6	20.4	19.0	20.7	21.1	17.7	19.5	18.1	19.8	20.1
	3H	19.8	21.4	20.1	21.7	22.1	18.9	20.5	19.2	20.8	21.2
	4H	20.1	21.7	20.5	22.0	22.4	19.3	20.9	19.7	21.2	21.6
	6H	20.5	21.9	20.9	22.3	22.7	19.8	21.2	20.2	21.6	21.9
	8H	20.7	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	21.5	20.6	21.8	22.3
4H	2H	19.1	20.6	19.5	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	21.4	20.6	21.8	22.2
	6H	21.3	22.4	21.8	22.8	23.2	20.8	21.8	21.2	22.2	22.7
	8H	21.6	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	23.6	21.3	22.1	21.8	22.6	23.1
8H	4H	21.0	22.0	21.5	22.4	22.9	20.4	21.4	20.9	21.8	22.3
	6H	21.6	22.4	22.1	22.9	23.4	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	22.5	22.3	23.0	23.5
12H	4H	21.0	21.9	21.5	22.4	22.8	20.4	21.3	20.9	21.8	22.2
	6H	21.7	22.4	22.2	22.8	23.4	21.2	21.9	21.7	22.4	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)