

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: P1526932

Luminaire Tested: 24CGTX-72-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526932
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-72-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

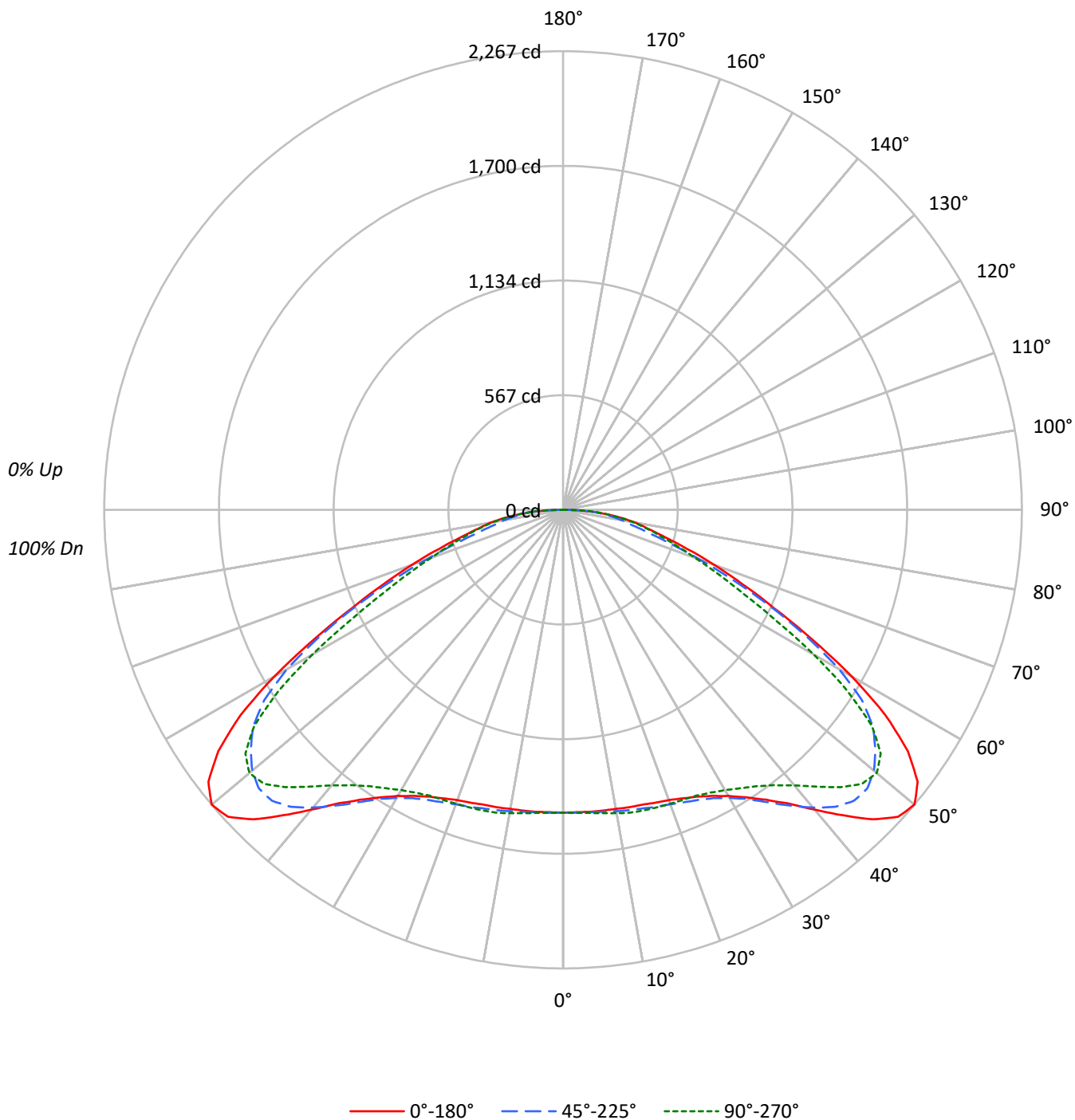
Lumens per Lamp: N/A
Luminaire Lumens: 7472.7 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.9
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

TEST NUMBER: P1526932

CATALOG NUMBER: 24CGTX-72-A125-L835

Luminous Intensity Polar Plot



CATALOG NUMBER: 24CGTX-72-A125-L835

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°	2014	2014	2014
5°	2024	2027	2031
10°	2051	2066	2081
15°	2101	2128	2143
20°	2186	2217	2214
25°	2322	2349	2315
30°	2537	2555	2485
35°	2873	2899	2739
40°	3397	3375	3122
45°	4116	3870	3688
50°	4745	4198	4236
55°	4877	4386	4370
60°	4432	4237	3847
65°	3666	3600	3139
70°	3130	2820	2728
75°	2711	2246	2583
80°	2807	2276	2717
85°	2836	2737	3017

MAXIMUM LUMINANCE 45°-90°:

Luminance: 4881 cd/sqm

TEST NUMBER: P1526932

CATALOG NUMBER: 24CGTX-72-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	1.9
10°-20°	433.3	5.8
20°-30°	731.9	9.8
30°-40°	1101.7	14.7
40°-50°	1566.6	21.0
50°-60°	1681.3	22.5
60°-70°	1095.7	14.7
70°-80°	526.8	7.1
80°-90°	191.7	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°	1308.8	17.5
0°-40°	2410.5	32.3
0°-60°	5658.4	75.7
0°-90°	7472.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7472.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1498	1500	1501	1506	1503	143
15°	1509	1516	1528	1537	1538	429
25°	1564	1578	1582	1568	1559	728
35°	1749	1783	1765	1705	1668	1110
45°	2163	2110	2034	1981	1938	1661
55°	2079	2026	1870	1815	1863	1819
65°	1152	1142	1131	1009	986	1165
75°	521	493	432	492	497	573
85°	184	172	177	182	195	200
90°	0	0	0	0	0	

TEST NUMBER: P1526932

CATALOG NUMBER: 24CGTX-72-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1497.0	1497.0	1497.0	1497.0	1497.0
2.5°	1495.7	1497.0	1498.3	1499.6	1499.6
5°	1498.3	1499.6	1500.9	1506.0	1503.4
7.5°	1499.6	1500.9	1504.7	1512.5	1512.5
10°	1500.9	1504.7	1512.5	1520.3	1522.9
12.5°	1506.0	1509.9	1520.3	1530.6	1533.2
15°	1508.6	1516.4	1528.0	1537.1	1538.4
17.5°	1517.7	1525.4	1538.4	1542.3	1542.3
20°	1526.7	1537.1	1548.7	1548.7	1546.1
22.5°	1543.6	1555.2	1564.3	1556.5	1551.3
25°	1564.3	1578.5	1582.4	1568.1	1559.1
27.5°	1594.0	1612.1	1607.0	1587.5	1575.9
30°	1632.8	1656.1	1644.5	1616.0	1599.2
32.5°	1684.6	1713.1	1693.6	1657.4	1631.5
35°	1749.3	1782.9	1764.8	1705.3	1667.8
37.5°	1829.5	1864.4	1842.4	1766.1	1715.6
40°	1934.3	1952.4	1921.4	1838.6	1777.7
42.5°	2048.2	2039.1	1991.2	1914.9	1855.4
45°	2163.3	2110.3	2033.9	1980.9	1938.2
47.5°	2246.1	2147.8	2039.1	2011.9	2004.2
50°	2266.8	2140.0	2005.5	1995.1	2023.6
52.5°	2208.6	2098.6	1944.6	1926.5	1978.3
55°	2079.2	2026.2	1869.6	1815.3	1863.1
57.5°	1889.0	1885.1	1750.6	1653.5	1666.5
60°	1647.1	1662.6	1574.6	1437.5	1429.7
62.5°	1385.7	1394.8	1355.9	1213.6	1186.5
65°	1151.5	1142.5	1130.8	1009.2	985.9
67.5°	958.7	931.6	913.5	839.7	828.1
70°	795.7	753.0	716.8	705.1	693.5
72.5°	644.3	613.3	555.1	587.4	586.1
75°	521.4	493.0	432.1	491.7	496.8
77.5°	427.0	407.6	349.3	403.7	420.5
80°	362.3	322.2	293.7	328.6	350.6
82.5°	276.9	245.8	239.4	253.6	274.3
85°	183.7	172.1	177.3	182.4	195.4
87.5°	93.2	99.6	107.4	116.4	122.9
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1526932

CATALOG NUMBER: 24CGTX-72-A125-L835

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	18.8	20.6	19.2	20.9	21.2	17.9	19.7	18.3	20.0	20.3
	3H	19.9	21.5	20.3	21.9	22.2	19.1	20.7	19.4	21.0	21.4
	4H	20.3	21.9	20.7	22.2	22.6	19.5	21.0	19.9	21.4	21.8
	6H	20.7	22.1	21.1	22.5	22.9	20.0	21.4	20.4	21.7	22.1
	8H	20.8	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	20.3	21.6	20.8	22.0	22.4
4H	2H	19.2	20.8	19.6	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	21.5	20.8	22.0	22.4
	6H	21.5	22.5	22.0	23.0	23.4	21.0	22.0	21.4	22.4	22.9
	8H	21.7	22.7	22.2	23.1	23.6	21.2	22.2	21.7	22.6	23.1
	12H	21.9	22.8	22.4	23.3	23.7	21.5	22.3	21.9	22.8	23.3
8H	4H	21.2	22.1	21.6	22.6	23.0	20.6	21.5	21.0	22.0	22.4
	6H	21.8	22.6	22.3	23.1	23.5	21.3	22.1	21.8	22.6	23.1
	8H	22.1	22.8	22.6	23.3	23.8	21.6	22.4	22.2	22.9	23.4
	12H	22.4	23.0	22.9	23.5	24.1	22.0	22.6	22.5	23.1	23.7
12H	4H	21.2	22.1	21.7	22.5	23.0	20.6	21.5	21.1	22.0	22.4
	6H	21.8	22.6	22.4	23.0	23.6	21.4	22.1	21.9	22.5	23.1
	8H	22.2	22.8	22.7	23.3	23.9	21.8	22.4	22.3	22.9	23.5















(END OF REPORT)