

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: P1526934

Luminaire Tested: 24CGTX-72-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526934
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

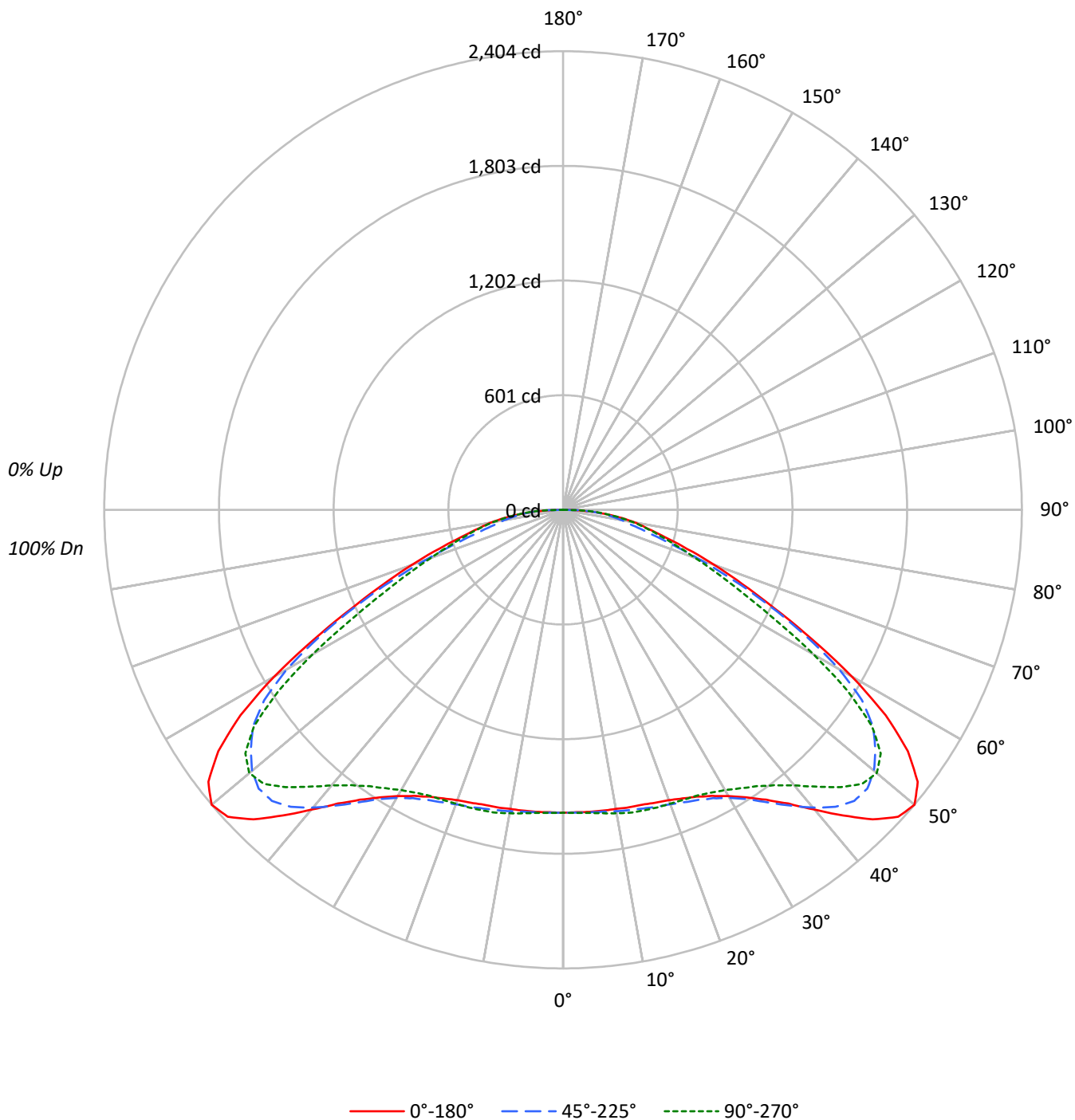
Lumens per Lamp: N/A
Luminaire Lumens: 7925.6 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	2136	2136	2136
5°	2146	2150	2154
10°	2175	2192	2207
15°	2229	2257	2273
20°	2319	2352	2348
25°	2463	2492	2455
30°	2691	2710	2635
35°	3047	3075	2905
40°	3603	3579	3312
45°	4366	4105	3911
50°	5032	4452	4492
55°	5173	4651	4636
60°	4701	4494	4080
65°	3888	3819	3329
70°	3320	2991	2893
75°	2875	2383	2739
80°	2977	2414	2882
85°	3009	2902	3199

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5177 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	1.9
10°-20°	459.5	5.8
20°-30°	776.2	9.8
30°-40°	1168.5	14.7
40°-50°	1661.6	21.0
50°-60°	1783.2	22.5
60°-70°	1162.1	14.7
70°-80°	558.8	7.1
80°-90°	203.4	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°	1388.1	17.5
0°-40°	2556.6	32.3
0°-60°	6001.4	75.7
0°-90°	7925.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7925.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1589	1590	1592	1597	1595	152
15°	1600	1608	1621	1630	1632	455
25°	1659	1674	1678	1663	1654	772
35°	1855	1891	1872	1809	1769	1178
45°	2294	2238	2157	2101	2056	1761
55°	2205	2149	1983	1925	1976	1929
65°	1221	1212	1199	1070	1046	1236
75°	553	523	458	522	527	607
85°	195	182	188	194	207	212
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1587.7	1587.7	1587.7	1587.7	1587.7
2.5°	1586.3	1587.7	1589.1	1590.4	1590.4
5°	1589.1	1590.4	1591.8	1597.3	1594.6
7.5°	1590.4	1591.8	1595.9	1604.2	1604.2
10°	1591.8	1595.9	1604.2	1612.4	1615.1
12.5°	1597.3	1601.4	1612.4	1623.4	1626.1
15°	1600.1	1608.3	1620.6	1630.2	1631.6
17.5°	1609.7	1617.9	1631.6	1635.7	1635.7
20°	1619.3	1630.2	1642.6	1642.6	1639.9
22.5°	1637.1	1649.5	1659.1	1650.8	1645.3
25°	1659.1	1674.2	1678.3	1663.2	1653.6
27.5°	1690.6	1709.8	1704.3	1683.8	1671.4
30°	1731.8	1756.5	1744.1	1714.0	1696.1
32.5°	1786.7	1816.9	1796.3	1757.9	1730.4
35°	1855.3	1891.0	1871.8	1808.6	1768.8
37.5°	1940.4	1977.4	1954.1	1873.1	1819.6
40°	2051.5	2070.7	2037.8	1950.0	1885.5
42.5°	2172.3	2162.7	2111.9	2030.9	1967.8
45°	2294.4	2238.2	2157.2	2100.9	2055.6
47.5°	2382.2	2278.0	2162.7	2133.9	2125.6
50°	2404.2	2269.7	2127.0	2116.0	2146.2
52.5°	2342.4	2225.8	2062.5	2043.3	2098.2
55°	2205.2	2149.0	1982.9	1925.3	1976.1
57.5°	2003.5	1999.4	1856.7	1753.7	1767.5
60°	1746.9	1763.4	1670.0	1524.6	1516.3
62.5°	1469.7	1479.3	1438.1	1287.2	1258.4
65°	1221.3	1211.7	1199.4	1070.4	1045.7
67.5°	1016.8	988.0	968.8	890.6	878.2
70°	843.9	798.7	760.2	747.9	735.5
72.5°	683.4	650.5	588.7	623.0	621.6
75°	553.0	522.8	458.3	521.5	526.9
77.5°	452.8	432.3	370.5	428.1	446.0
80°	384.2	341.7	311.5	348.6	371.9
82.5°	293.7	260.7	253.9	269.0	290.9
85°	194.9	182.5	188.0	193.5	207.2
87.5°	98.8	105.7	113.9	123.5	130.4
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	19.0	20.8	19.4	21.1	21.4	18.1	19.9	18.5	20.2	20.5
	3H	20.1	21.8	20.5	22.1	22.4	19.3	20.9	19.6	21.2	21.6
	4H	20.5	22.1	20.9	22.4	22.8	19.7	21.2	20.1	21.6	22.0
	6H	20.9	22.3	21.3	22.7	23.1	20.2	21.6	20.6	21.9	22.3
	8H	21.0	22.4	21.5	22.8	23.2	20.4	21.7	20.8	22.1	22.5
	12H	21.2	22.5	21.6	22.9	23.3	20.5	21.8	21.0	22.2	22.6
4H	2H	19.4	21.0	19.8	21.3	21.7	18.7	20.2	19.1	20.6	20.9
	3H	20.7	22.0	21.1	22.4	22.8	20.0	21.3	20.4	21.7	22.1
	4H	21.2	22.4	21.7	22.8	23.2	20.6	21.7	21.0	22.2	22.6
	6H	21.7	22.7	22.2	23.2	23.6	21.2	22.2	21.6	22.6	23.1
	8H	21.9	22.9	22.4	23.3	23.8	21.4	22.4	21.9	22.8	23.3
	12H	22.1	23.0	22.6	23.5	23.9	21.7	22.5	22.1	23.0	23.5
8H	4H	21.4	22.3	21.8	22.8	23.2	20.8	21.8	21.3	22.2	22.7
	6H	22.0	22.8	22.5	23.3	23.7	21.5	22.3	22.0	22.8	23.3
	8H	22.3	23.0	22.8	23.5	24.0	21.9	22.6	22.4	23.1	23.6
	12H	22.6	23.2	23.1	23.7	24.3	22.2	22.8	22.7	23.3	23.9
12H	4H	21.4	22.3	21.9	22.8	23.2	20.8	21.7	21.3	22.2	22.6
	6H	22.0	22.8	22.6	23.2	23.8	21.6	22.3	22.1	22.8	23.3
	8H	22.4	23.0	22.9	23.5	24.1	22.0	22.6	22.5	23.1	23.7













(END OF REPORT)