

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: P1526933

Luminaire Tested: 24CGTX-72-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526933
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

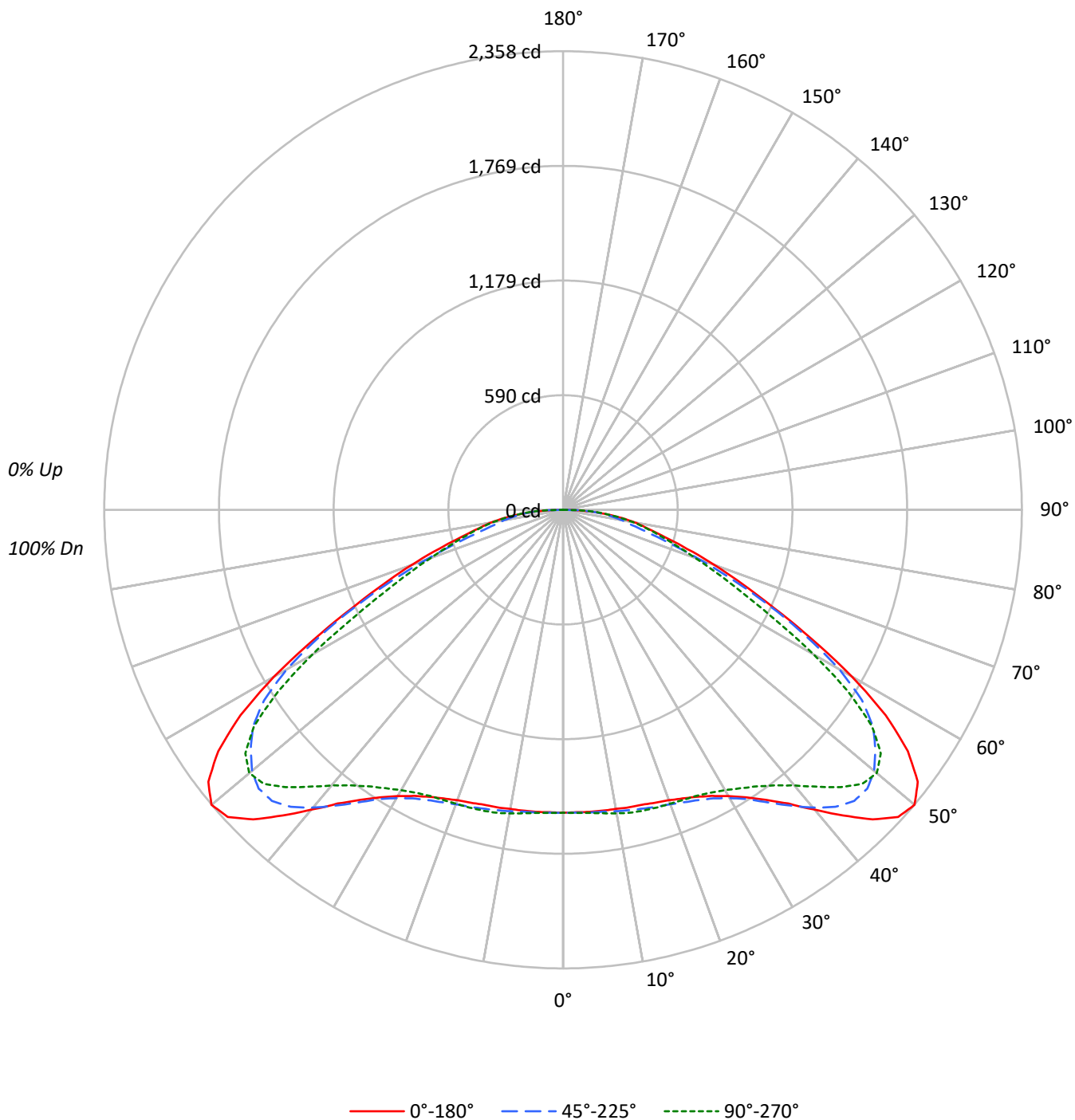
Lumens per Lamp: N/A
Luminaire Lumens: 7774.6 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	2096	2096	2096
5°	2105	2109	2113
10°	2133	2150	2165
15°	2186	2215	2229
20°	2274	2307	2303
25°	2416	2444	2408
30°	2639	2658	2585
35°	2989	3016	2850
40°	3535	3511	3249
45°	4283	4027	3837
50°	4937	4367	4407
55°	5074	4563	4547
60°	4611	4408	4003
65°	3814	3746	3266
70°	3257	2934	2838
75°	2820	2337	2687
80°	2920	2368	2827
85°	2950	2847	3138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5079 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	1.9
10°-20°	450.8	5.8
20°-30°	761.4	9.8
30°-40°	1146.3	14.7
40°-50°	1629.9	21.0
50°-60°	1749.2	22.5
60°-70°	1140.0	14.7
70°-80°	548.1	7.1
80°-90°	199.5	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°	1361.7	17.5
0°-40°	2507.9	32.3
0°-60°	5887.1	75.7
0°-90°	7774.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7774.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1558	1558	1558	1558	1558	
5°	1559	1560	1562	1567	1564	149
15°	1570	1578	1590	1599	1600	446
25°	1628	1642	1646	1632	1622	758
35°	1820	1855	1836	1774	1735	1155
45°	2251	2196	2116	2061	2016	1728
55°	2163	2108	1945	1889	1938	1892
65°	1198	1189	1176	1050	1026	1212
75°	542	513	450	512	517	596
85°	191	179	184	190	203	208
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1557.5	1557.5	1557.5	1557.5	1557.5
2.5°	1556.1	1557.5	1558.8	1560.2	1560.2
5°	1558.8	1560.2	1561.5	1566.9	1564.2
7.5°	1560.2	1561.5	1565.5	1573.6	1573.6
10°	1561.5	1565.5	1573.6	1581.7	1584.4
12.5°	1566.9	1570.9	1581.7	1592.5	1595.2
15°	1569.6	1577.7	1589.8	1599.2	1600.5
17.5°	1579.0	1587.1	1600.5	1604.6	1604.6
20°	1588.4	1599.2	1611.3	1611.3	1608.6
22.5°	1605.9	1618.0	1627.5	1619.4	1614.0
25°	1627.5	1642.3	1646.3	1631.5	1622.1
27.5°	1658.4	1677.3	1671.9	1651.7	1639.6
30°	1698.8	1723.0	1710.9	1681.3	1663.8
32.5°	1752.6	1782.3	1762.1	1724.4	1697.5
35°	1820.0	1855.0	1836.1	1774.2	1735.2
37.5°	1903.4	1939.8	1916.9	1837.5	1785.0
40°	2012.5	2031.3	1999.0	1912.8	1849.6
42.5°	2130.9	2121.5	2071.7	1992.3	1930.3
45°	2250.7	2195.5	2116.1	2060.9	2016.5
47.5°	2336.9	2234.6	2121.5	2093.2	2085.1
50°	2358.4	2226.5	2086.5	2075.7	2105.3
52.5°	2297.8	2183.4	2023.2	2004.4	2058.2
55°	2163.2	2108.0	1945.1	1888.6	1938.4
57.5°	1965.3	1961.3	1821.3	1720.3	1733.8
60°	1713.6	1729.8	1638.2	1495.5	1487.5
62.5°	1441.7	1451.1	1410.7	1262.7	1234.4
65°	1198.0	1188.6	1176.5	1050.0	1025.7
67.5°	997.5	969.2	950.4	873.6	861.5
70°	827.9	783.4	745.8	733.6	721.5
72.5°	670.4	638.1	577.5	611.1	609.8
75°	542.5	512.9	449.6	511.5	516.9
77.5°	444.2	424.0	363.5	420.0	437.5
80°	376.9	335.2	305.6	341.9	364.8
82.5°	288.1	255.8	249.0	263.8	285.4
85°	191.1	179.0	184.4	189.8	203.3
87.5°	96.9	103.7	111.7	121.2	127.9
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	20.7	19.3	21.1	21.4	18.1	19.8	18.4	20.2	20.5
	3H	20.1	21.7	20.4	22.0	22.4	19.2	20.8	19.6	21.1	21.5
	4H	20.5	22.0	20.9	22.3	22.7	19.7	21.2	20.0	21.5	21.9
	6H	20.8	22.2	21.2	22.6	23.0	20.1	21.5	20.5	21.9	22.3
	8H	21.0	22.3	21.4	22.7	23.1	20.3	21.6	20.7	22.0	22.4
	12H	21.1	22.4	21.5	22.8	23.2	20.5	21.8	20.9	22.1	22.6
4H	2H	19.4	20.9	19.8	21.2	21.6	18.6	20.1	19.0	20.5	20.9
	3H	20.7	21.9	21.1	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	4H	21.2	22.3	21.6	22.7	23.2	20.5	21.7	20.9	22.1	22.5
	6H	21.7	22.7	22.1	23.1	23.6	21.1	22.1	21.5	22.6	23.0
	8H	21.9	22.8	22.3	23.3	23.7	21.4	22.3	21.8	22.8	23.2
	12H	22.1	22.9	22.5	23.4	23.9	21.6	22.5	22.1	22.9	23.4
8H	4H	21.3	22.3	21.8	22.7	23.2	20.7	21.7	21.2	22.1	22.6
	6H	21.9	22.7	22.4	23.2	23.7	21.4	22.2	21.9	22.7	23.2
	8H	22.2	22.9	22.7	23.4	23.9	21.8	22.5	22.3	23.0	23.5
	12H	22.5	23.2	23.0	23.6	24.2	22.1	22.8	22.6	23.3	23.8
12H	4H	21.3	22.2	21.8	22.7	23.2	20.8	21.6	21.2	22.1	22.6
	6H	22.0	22.7	22.5	23.2	23.7	21.5	22.2	22.0	22.7	23.2
	8H	22.3	23.0	22.8	23.5	24.0	21.9	22.5	22.4	23.0	23.6















(END OF REPORT)