

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: P1526936

Luminaire Tested: 24CGTX-72HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526936
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

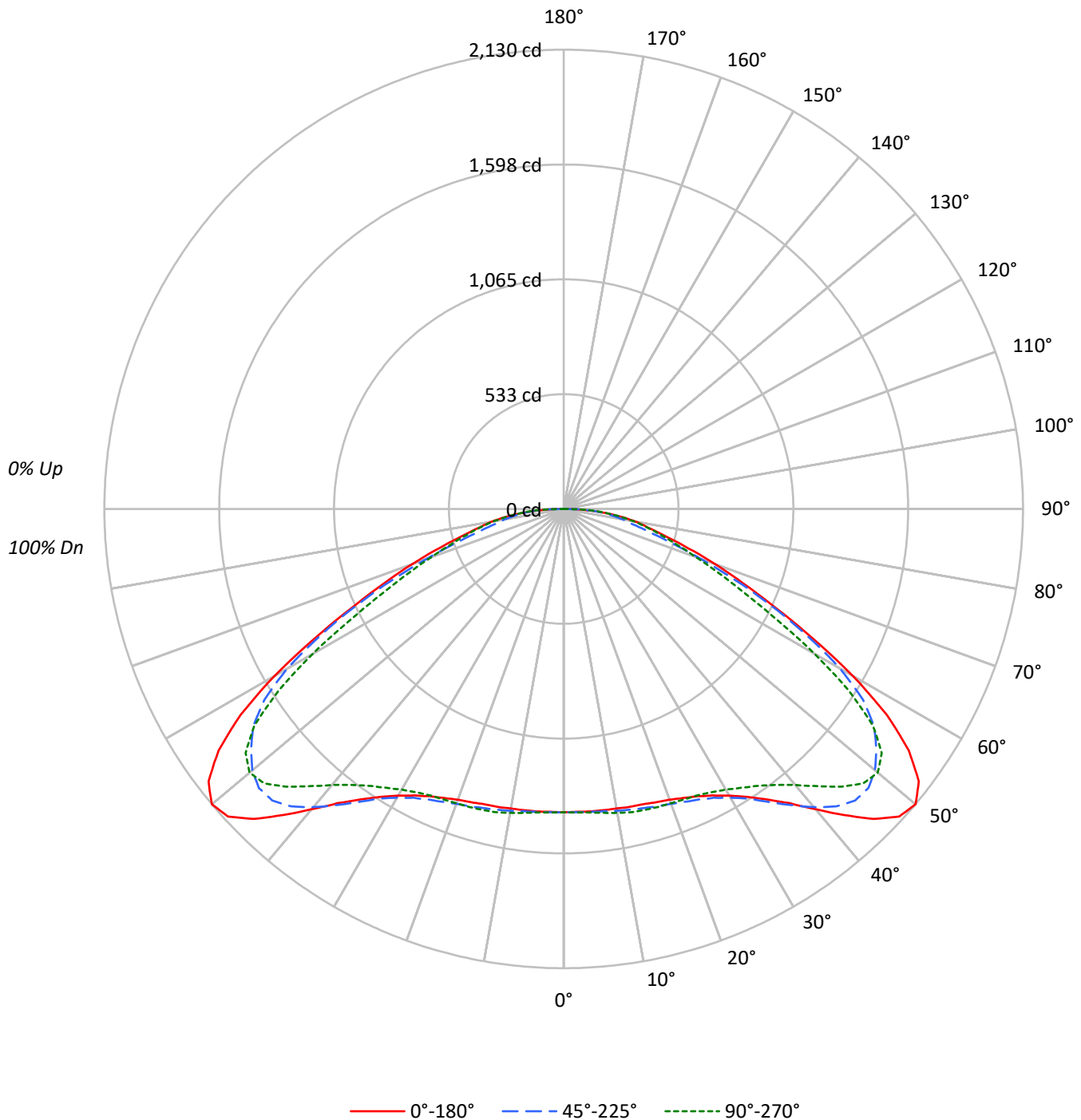
Lumens per Lamp: N/A
Luminaire Lumens: 7022.5 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	1893	1893	1893
5°	1902	1905	1908
10°	1927	1942	1955
15°	1975	2000	2014
20°	2054	2084	2080
25°	2182	2208	2175
30°	2384	2401	2335
35°	2700	2724	2574
40°	3193	3171	2934
45°	3868	3637	3466
50°	4459	3945	3981
55°	4583	4122	4107
60°	4165	3982	3616
65°	3445	3383	2950
70°	2942	2650	2564
75°	2547	2111	2427
80°	2638	2139	2553
85°	2666	2572	2834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 4587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	1.9
10°-20°	407.2	5.8
20°-30°	687.8	9.8
30°-40°	1035.4	14.7
40°-50°	1472.2	21.0
50°-60°	1580.0	22.5
60°-70°	1029.7	14.7
70°-80°	495.1	7.1
80°-90°	180.2	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°	1229.9	17.5
0°-40°	2265.3	32.3
0°-60°	5317.5	75.7
0°-90°	7022.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7022.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1408	1409	1410	1415	1413	134
15°	1418	1425	1436	1444	1446	403
25°	1470	1483	1487	1474	1465	684
35°	1644	1676	1658	1603	1567	1043
45°	2033	1983	1911	1862	1821	1561
55°	1954	1904	1757	1706	1751	1709
65°	1082	1074	1063	948	926	1095
75°	490	463	406	462	467	538
85°	173	162	167	171	184	188
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1406.8	1406.8	1406.8	1406.8	1406.8
2.5°	1405.6	1406.8	1408.0	1409.2	1409.2
5°	1408.0	1409.2	1410.4	1415.3	1412.9
7.5°	1409.2	1410.4	1414.1	1421.4	1421.4
10°	1410.4	1414.1	1421.4	1428.7	1431.1
12.5°	1415.3	1419.0	1428.7	1438.4	1440.8
15°	1417.7	1425.0	1436.0	1444.5	1445.7
17.5°	1426.2	1433.5	1445.7	1449.3	1449.3
20°	1434.8	1444.5	1455.4	1455.4	1453.0
22.5°	1450.6	1461.5	1470.0	1462.7	1457.9
25°	1470.0	1483.4	1487.0	1473.7	1465.2
27.5°	1498.0	1515.0	1510.1	1491.9	1481.0
30°	1534.5	1556.3	1545.4	1518.7	1502.8
32.5°	1583.1	1609.8	1591.6	1557.6	1533.2
35°	1643.9	1675.5	1658.5	1602.6	1567.3
37.5°	1719.3	1752.1	1731.4	1659.7	1612.3
40°	1817.8	1834.8	1805.6	1727.8	1670.6
42.5°	1924.8	1916.3	1871.3	1799.5	1743.6
45°	2033.0	1983.1	1911.4	1861.5	1821.4
47.5°	2110.8	2018.4	1916.3	1890.7	1883.4
50°	2130.2	2011.1	1884.6	1874.9	1901.7
52.5°	2075.5	1972.2	1827.5	1810.5	1859.1
55°	1953.9	1904.1	1757.0	1705.9	1750.9
57.5°	1775.2	1771.6	1645.1	1553.9	1566.1
60°	1547.8	1562.4	1479.7	1350.9	1343.6
62.5°	1302.2	1310.7	1274.3	1140.5	1115.0
65°	1082.1	1073.6	1062.7	948.4	926.5
67.5°	901.0	875.4	858.4	789.1	778.2
70°	747.8	707.7	673.6	662.7	651.7
72.5°	605.5	576.3	521.6	552.0	550.8
75°	490.0	463.3	406.1	462.0	466.9
77.5°	401.2	383.0	328.3	379.4	395.2
80°	340.5	302.8	276.0	308.8	329.5
82.5°	260.2	231.0	224.9	238.3	257.8
85°	172.7	161.7	166.6	171.4	183.6
87.5°	87.5	93.6	100.9	109.4	115.5
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	21.3	20.1	21.7	22.0	18.8	20.5	19.2	20.8	21.1
	4H	20.1	21.6	20.5	22.0	22.4	19.3	20.8	19.7	21.2	21.5
	6H	20.5	21.9	20.9	22.2	22.6	19.7	21.2	20.2	21.5	21.9
	8H	20.6	22.0	21.0	22.4	22.8	19.9	21.3	20.4	21.7	22.1
	12H	20.8	22.1	21.2	22.4	22.9	20.1	21.4	20.5	21.8	22.2
4H	2H	19.0	20.5	19.4	20.9	21.3	18.3	19.8	18.7	20.1	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	21.2	22.4	22.8	20.2	21.3	20.6	21.7	22.2
	6H	21.3	22.3	21.7	22.8	23.2	20.7	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	23.0	23.5	21.2	22.1	21.7	22.6	23.1
8H	4H	21.0	21.9	21.4	22.4	22.8	20.4	21.3	20.8	21.8	22.2
	6H	21.6	22.4	22.1	22.9	23.3	21.1	21.9	21.6	22.4	22.8
	8H	21.9	22.6	22.4	23.1	23.6	21.4	22.2	21.9	22.7	23.1
	12H	22.2	22.8	22.7	23.3	23.8	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	21.7	22.2
	6H	21.6	22.4	22.1	22.8	23.3	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	23.2















(END OF REPORT)