

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: P1526937

Luminaire Tested: 24CGTX-72HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526937
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

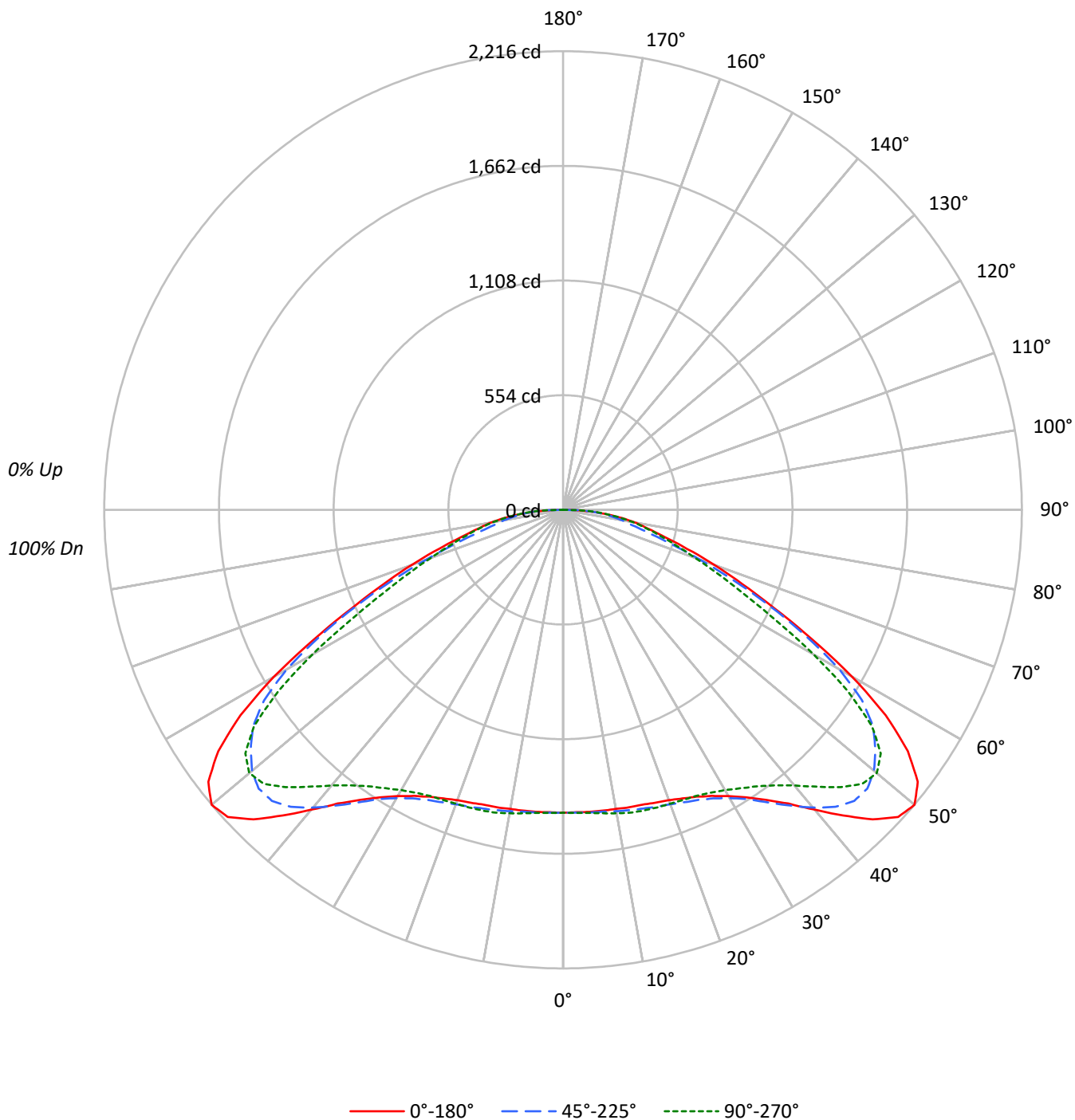
Lumens per Lamp: N/A
Luminaire Lumens: 7306.2 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
RC	80				70				50				30				10			
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°	1969	1969	1969
5°	1979	1982	1985
10°	2005	2020	2034
15°	2055	2081	2095
20°	2137	2168	2165
25°	2271	2297	2263
30°	2480	2498	2429
35°	2809	2834	2678
40°	3322	3300	3053
45°	4025	3784	3606
50°	4639	4104	4141
55°	4769	4288	4273
60°	4334	4143	3762
65°	3585	3520	3069
70°	3061	2757	2668
75°	2650	2196	2525
80°	2744	2225	2656
85°	2773	2675	2949

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4773 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	1.9
10°-20°	423.6	5.8
20°-30°	715.6	9.8
30°-40°	1077.2	14.7
40°-50°	1531.7	21.0
50°-60°	1643.8	22.5
60°-70°	1071.3	14.7
70°-80°	515.1	7.1
80°-90°	187.5	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°	1279.6	17.5
0°-40°	2356.8	32.3
0°-60°	5532.4	75.7
0°-90°	7306.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7306.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1464	1464	1464	1464	1464	
5°	1465	1466	1467	1472	1470	140
15°	1475	1483	1494	1503	1504	419
25°	1529	1543	1547	1533	1524	712
35°	1710	1743	1726	1667	1631	1086
45°	2115	2063	1989	1937	1895	1624
55°	2033	1981	1828	1775	1822	1778
65°	1126	1117	1106	987	964	1139
75°	510	482	422	481	486	560
85°	180	168	173	178	191	196
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1463.6	1463.6	1463.6	1463.6	1463.6
2.5°	1462.4	1463.6	1464.9	1466.2	1466.2
5°	1464.9	1466.2	1467.4	1472.5	1470.0
7.5°	1466.2	1467.4	1471.2	1478.8	1478.8
10°	1467.4	1471.2	1478.8	1486.4	1488.9
12.5°	1472.5	1476.3	1486.4	1496.5	1499.1
15°	1475.0	1482.6	1494.0	1502.8	1504.1
17.5°	1483.9	1491.5	1504.1	1507.9	1507.9
20°	1492.7	1502.8	1514.2	1514.2	1511.7
22.5°	1509.2	1520.6	1529.4	1521.8	1516.8
25°	1529.4	1543.3	1547.1	1533.2	1524.4
27.5°	1558.5	1576.2	1571.2	1552.2	1540.8
30°	1596.5	1619.2	1607.8	1580.0	1563.6
32.5°	1647.1	1674.9	1655.9	1620.5	1595.2
35°	1710.3	1743.2	1725.5	1667.3	1630.6
37.5°	1788.7	1822.9	1801.4	1726.8	1677.4
40°	1891.2	1908.9	1878.6	1797.6	1738.1
42.5°	2002.5	1993.7	1946.9	1872.2	1814.0
45°	2115.1	2063.3	1988.6	1936.8	1895.0
47.5°	2196.1	2099.9	1993.7	1967.1	1959.5
50°	2216.3	2092.3	1960.8	1950.7	1978.5
52.5°	2159.4	2051.9	1901.3	1883.6	1934.2
55°	2032.9	1981.0	1828.0	1774.8	1821.6
57.5°	1846.9	1843.1	1711.6	1616.7	1629.3
60°	1610.4	1625.6	1539.5	1405.4	1397.9
62.5°	1354.8	1363.7	1325.7	1186.6	1160.0
65°	1125.9	1117.0	1105.6	986.7	963.9
67.5°	937.4	910.8	893.1	821.0	809.6
70°	778.0	736.2	700.8	689.4	678.1
72.5°	630.0	599.6	542.7	574.3	573.1
75°	509.8	482.0	422.5	480.7	485.8
77.5°	417.5	398.5	341.6	394.7	411.1
80°	354.2	315.0	287.2	321.3	342.8
82.5°	270.7	240.4	234.0	247.9	268.2
85°	179.6	168.2	173.3	178.4	191.0
87.5°	91.1	97.4	105.0	113.9	120.2
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	18.7	20.5	19.1	20.8	21.2	17.8	19.6	18.2	19.9	20.2
	3H	19.9	21.5	20.2	21.8	22.2	19.0	20.6	19.4	20.9	21.3
	4H	20.2	21.8	20.6	22.1	22.5	19.4	21.0	19.8	21.3	21.7
	6H	20.6	22.0	21.0	22.4	22.8	19.9	21.3	20.3	21.7	22.0
	8H	20.8	22.1	21.2	22.5	22.9	20.1	21.4	20.5	21.8	22.2
	12H	20.9	22.2	21.3	22.6	23.0	20.3	21.6	20.7	21.9	22.4
4H	2H	19.2	20.7	19.6	21.0	21.4	18.4	19.9	18.8	20.3	20.6
	3H	20.4	21.7	20.8	22.1	22.5	19.7	21.0	20.1	21.4	21.8
	4H	20.9	22.1	21.4	22.5	22.9	20.3	21.5	20.7	21.9	22.3
	6H	21.4	22.5	21.9	22.9	23.3	20.9	21.9	21.3	22.3	22.8
	8H	21.7	22.6	22.1	23.0	23.5	21.1	22.1	21.6	22.5	23.0
	12H	21.9	22.7	22.3	23.2	23.7	21.4	22.3	21.9	22.7	23.2
8H	4H	21.1	22.1	21.6	22.5	23.0	20.5	21.5	21.0	21.9	22.4
	6H	21.7	22.5	22.2	23.0	23.5	21.2	22.0	21.7	22.5	23.0
	8H	22.0	22.7	22.5	23.2	23.7	21.6	22.3	22.1	22.8	23.3
	12H	22.3	22.9	22.8	23.4	24.0	21.9	22.6	22.4	23.1	23.6
12H	4H	21.1	22.0	21.6	22.5	22.9	20.5	21.4	21.0	21.9	22.4
	6H	21.8	22.5	22.3	22.9	23.5	21.3	22.0	21.8	22.5	23.0
	8H	22.1	22.8	22.6	23.2	23.8	21.7	22.3	22.2	22.8	23.4













(END OF REPORT)