

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: P1526941

Luminaire Tested: 24CGTX-72HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526941
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

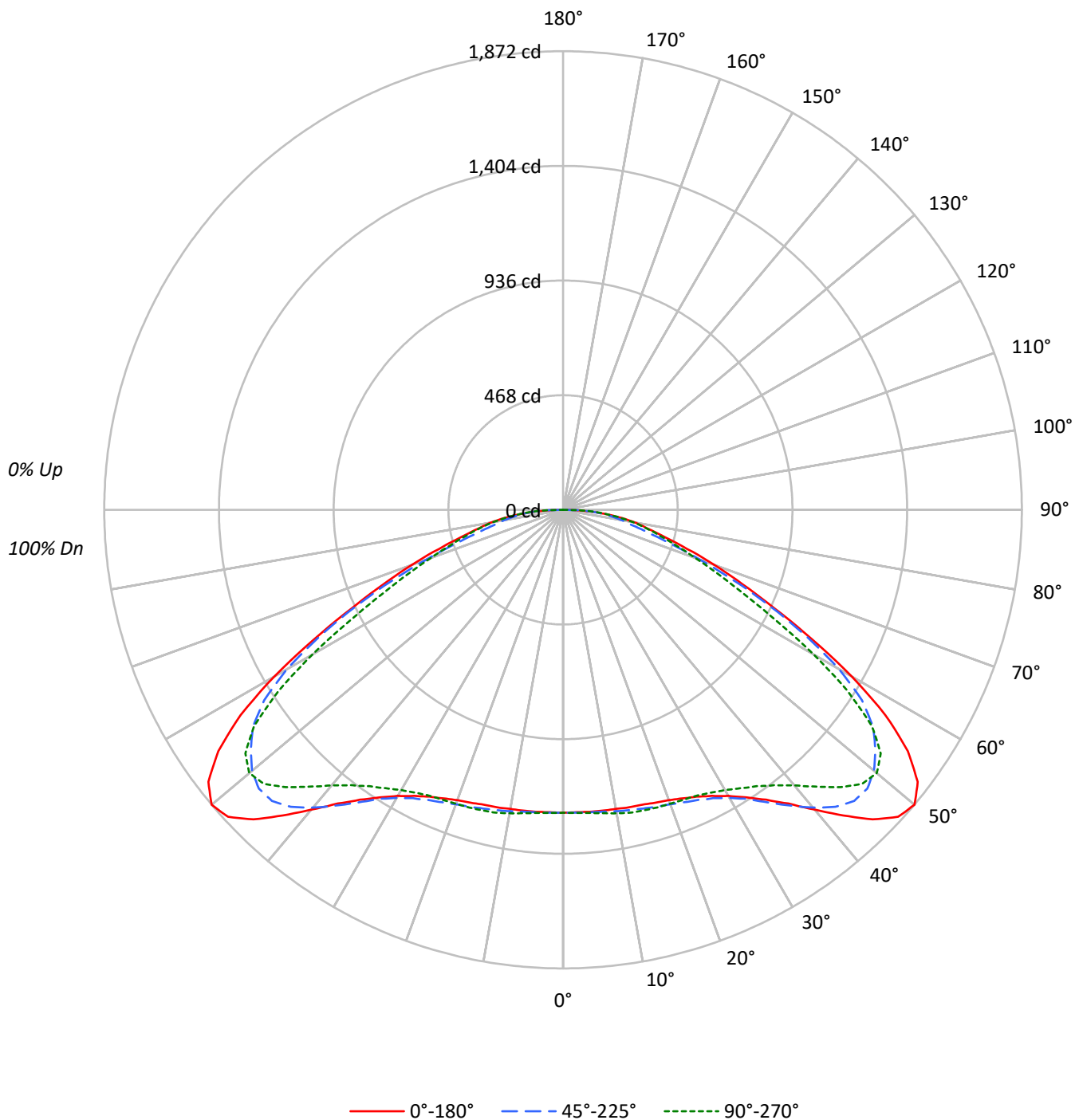
Lumens per Lamp: N/A
Luminaire Lumens: 6171.3 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	1663	1663	1663
5°	1671	1674	1677
10°	1693	1707	1718
15°	1735	1758	1770
20°	1805	1831	1828
25°	1918	1940	1912
30°	2095	2110	2052
35°	2373	2394	2262
40°	2806	2787	2579
45°	3400	3196	3046
50°	3918	3467	3498
55°	4028	3622	3609
60°	3660	3499	3177
65°	3028	2973	2592
70°	2585	2329	2253
75°	2239	1855	2133
80°	2318	1880	2244
85°	2342	2260	2490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4031 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.9
10°-20°	357.8	5.8
20°-30°	604.4	9.8
30°-40°	909.9	14.7
40°-50°	1293.8	21.0
50°-60°	1388.5	22.5
60°-70°	904.9	14.7
70°-80°	435.1	7.1
80°-90°	158.4	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°	1080.9	17.5
0°-40°	1990.7	32.3
0°-60°	4673.0	75.7
0°-90°	6171.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6171.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1237	1238	1240	1244	1242	118
15°	1246	1252	1262	1269	1270	354
25°	1292	1304	1307	1295	1288	601
35°	1445	1472	1458	1408	1377	917
45°	1787	1743	1680	1636	1601	1372
55°	1717	1673	1544	1499	1539	1502
65°	951	944	934	833	814	962
75°	431	407	357	406	410	473
85°	152	142	146	151	161	165
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1236.3	1236.3	1236.3	1236.3	1236.3
2.5°	1235.2	1236.3	1237.3	1238.4	1238.4
5°	1237.3	1238.4	1239.5	1243.8	1241.6
7.5°	1238.4	1239.5	1242.7	1249.1	1249.1
10°	1239.5	1242.7	1249.1	1255.5	1257.6
12.5°	1243.8	1247.0	1255.5	1264.1	1266.2
15°	1245.9	1252.3	1261.9	1269.4	1270.5
17.5°	1253.4	1259.8	1270.5	1273.7	1273.7
20°	1260.8	1269.4	1279.0	1279.0	1276.9
22.5°	1274.7	1284.4	1291.8	1285.4	1281.1
25°	1291.8	1303.6	1306.8	1295.0	1287.6
27.5°	1316.4	1331.4	1327.1	1311.1	1301.5
30°	1348.5	1367.7	1358.1	1334.6	1320.7
32.5°	1391.2	1414.7	1398.7	1368.8	1347.4
35°	1444.6	1472.4	1457.5	1408.3	1377.3
37.5°	1510.9	1539.7	1521.6	1458.5	1416.9
40°	1597.4	1612.4	1586.7	1518.4	1468.1
42.5°	1691.5	1684.0	1644.4	1581.4	1532.2
45°	1786.6	1742.7	1679.7	1635.9	1600.6
47.5°	1854.9	1773.7	1684.0	1661.5	1655.1
50°	1872.0	1767.3	1656.2	1647.6	1671.2
52.5°	1824.0	1733.1	1606.0	1591.0	1633.8
55°	1717.1	1673.3	1544.0	1499.1	1538.7
57.5°	1560.0	1556.8	1445.7	1365.6	1376.2
60°	1360.2	1373.0	1300.4	1187.1	1180.7
62.5°	1144.4	1151.9	1119.8	1002.3	979.8
65°	951.0	943.5	933.9	833.4	814.2
67.5°	791.8	769.3	754.4	693.5	683.8
70°	657.1	621.9	592.0	582.3	572.7
72.5°	532.1	506.5	458.4	485.1	484.0
75°	430.6	407.1	356.9	406.0	410.3
77.5°	352.6	336.6	288.5	333.4	347.3
80°	299.2	266.1	242.6	271.4	289.6
82.5°	228.7	203.0	197.7	209.4	226.5
85°	151.7	142.1	146.4	150.7	161.3
87.5°	76.9	82.3	88.7	96.2	101.5
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	18.2	19.9	18.5	20.3	20.6	17.3	19.0	17.6	19.3	19.7
	3H	19.3	20.9	19.6	21.2	21.6	18.4	20.0	18.8	20.3	20.7
	4H	19.7	21.2	20.1	21.5	21.9	18.9	20.4	19.2	20.7	21.1
	6H	20.0	21.4	20.4	21.8	22.2	19.3	20.7	19.7	21.1	21.5
	8H	20.2	21.5	20.6	21.9	22.3	19.5	20.8	19.9	21.2	21.6
	12H	20.3	21.6	20.7	22.0	22.4	19.7	21.0	20.1	21.3	21.8
4H	2H	18.6	20.1	19.0	20.4	20.8	17.8	19.3	18.2	19.7	20.1
	3H	19.9	21.1	20.3	21.5	21.9	19.1	20.4	19.5	20.8	21.2
	4H	20.4	21.5	20.8	21.9	22.4	19.7	20.9	20.1	21.3	21.7
	6H	20.8	21.9	21.3	22.3	22.8	20.3	21.3	20.7	21.8	22.2
	8H	21.1	22.0	21.5	22.5	22.9	20.6	21.5	21.0	21.9	22.4
	12H	21.3	22.1	21.7	22.6	23.1	20.8	21.7	21.3	22.1	22.6
8H	4H	20.5	21.5	21.0	21.9	22.4	19.9	20.9	20.4	21.3	21.8
	6H	21.1	21.9	21.6	22.4	22.9	20.6	21.4	21.1	21.9	22.4
	8H	21.4	22.1	21.9	22.6	23.1	21.0	21.7	21.5	22.2	22.7
	12H	21.7	22.3	22.2	22.8	23.4	21.3	22.0	21.8	22.5	23.0
12H	4H	20.5	21.4	21.0	21.9	22.3	20.0	20.8	20.4	21.3	21.8
	6H	21.2	21.9	21.7	22.4	22.9	20.7	21.4	21.2	21.9	22.4
	8H	21.5	22.2	22.0	22.7	23.2	21.1	21.7	21.6	22.2	22.8















(END OF REPORT)