

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: P1526940

Luminaire Tested: 24CGTX-72HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526940
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

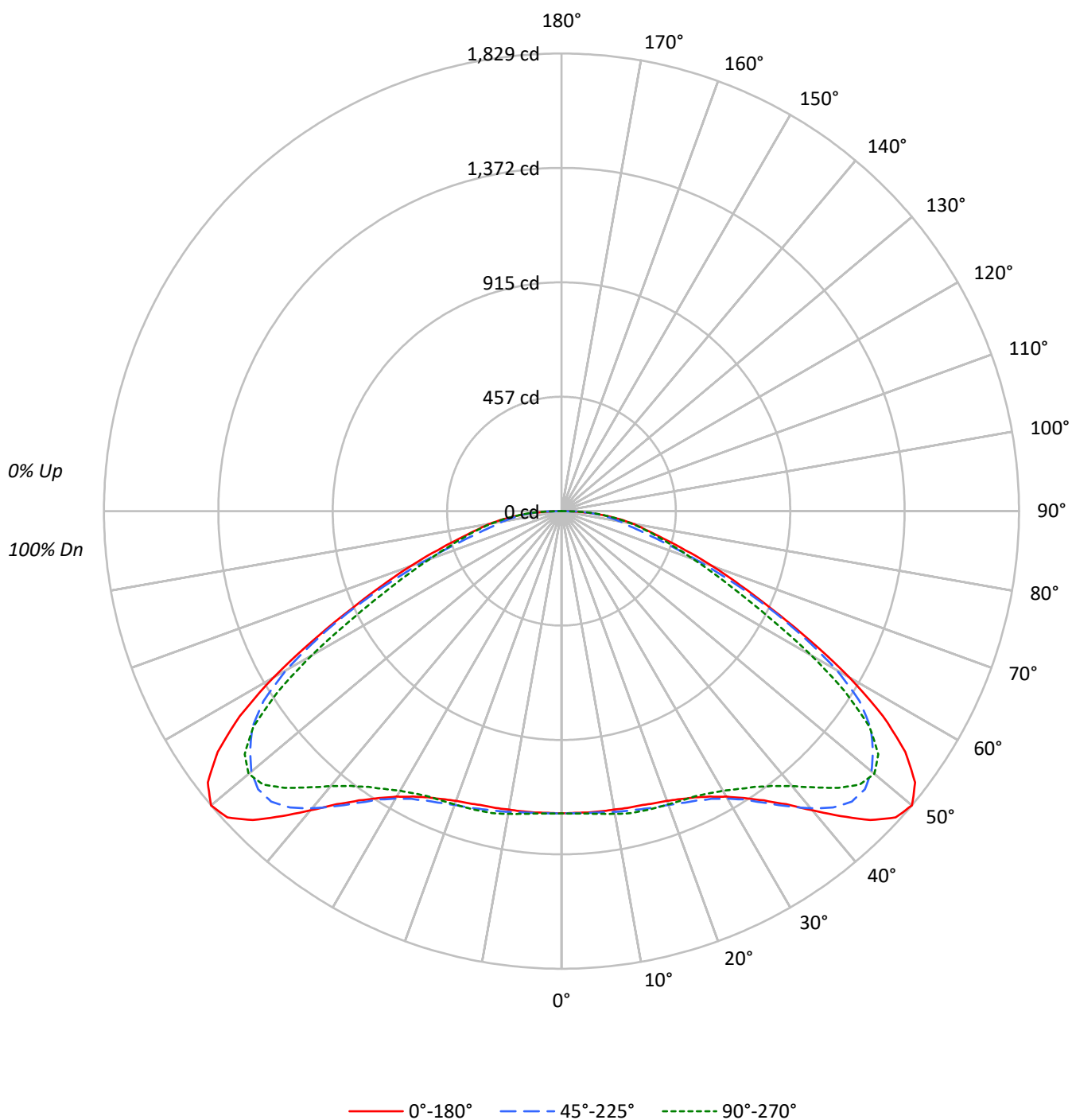
Lumens per Lamp: N/A
Luminaire Lumens: 6029.4 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1625	1625	1625
5°	1633	1636	1638
10°	1655	1667	1679
15°	1696	1717	1729
20°	1764	1789	1786
25°	1874	1896	1868
30°	2047	2062	2005
35°	2318	2339	2210
40°	2741	2723	2519
45°	3321	3123	2976
50°	3828	3387	3418
55°	3935	3539	3526
60°	3576	3419	3104
65°	2958	2905	2533
70°	2526	2275	2201
75°	2187	1813	2084
80°	2265	1836	2192
85°	2288	2208	2433

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3939 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	1.9
10°-20°	349.6	5.8
20°-30°	590.5	9.8
30°-40°	888.9	14.7
40°-50°	1264.0	21.0
50°-60°	1356.6	22.5
60°-70°	884.1	14.7
70°-80°	425.1	7.1
80°-90°	154.7	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°	1056.0	17.5
0°-40°	1945.0	32.3
0°-60°	4565.6	75.7
0°-90°	6029.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6029.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1208	1208	1208	1208	1208	
5°	1209	1210	1211	1215	1213	115
15°	1217	1224	1233	1240	1241	346
25°	1262	1274	1277	1265	1258	588
35°	1411	1439	1424	1376	1346	896
45°	1746	1703	1641	1598	1564	1340
55°	1678	1635	1508	1465	1503	1468
65°	929	922	912	814	796	940
75°	421	398	349	397	401	462
85°	148	139	143	147	158	161
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1207.9	1207.9	1207.9	1207.9	1207.9
2.5°	1206.8	1207.9	1208.9	1209.9	1209.9
5°	1208.9	1209.9	1211.0	1215.2	1213.1
7.5°	1209.9	1211.0	1214.1	1220.4	1220.4
10°	1211.0	1214.1	1220.4	1226.6	1228.7
12.5°	1215.2	1218.3	1226.6	1235.0	1237.1
15°	1217.2	1223.5	1232.9	1240.2	1241.3
17.5°	1224.6	1230.8	1241.3	1244.4	1244.4
20°	1231.9	1240.2	1249.6	1249.6	1247.5
22.5°	1245.4	1254.8	1262.1	1255.9	1251.7
25°	1262.1	1273.6	1276.8	1265.3	1258.0
27.5°	1286.1	1300.8	1296.6	1280.9	1271.5
30°	1317.5	1336.3	1326.9	1303.9	1290.3
32.5°	1359.2	1382.2	1366.5	1337.3	1316.4
35°	1411.4	1438.6	1423.9	1375.9	1345.7
37.5°	1476.1	1504.3	1486.6	1425.0	1384.3
40°	1560.7	1575.3	1550.3	1483.5	1434.4
42.5°	1652.6	1645.3	1606.6	1545.0	1497.0
45°	1745.5	1702.7	1641.1	1598.3	1563.8
47.5°	1812.3	1733.0	1645.3	1623.3	1617.1
50°	1829.0	1726.7	1618.1	1609.8	1632.7
52.5°	1782.0	1693.3	1569.1	1554.4	1596.2
55°	1677.6	1634.8	1508.5	1464.7	1503.3
57.5°	1524.2	1521.0	1412.5	1334.2	1344.6
60°	1328.9	1341.5	1270.5	1159.8	1153.6
62.5°	1118.1	1125.4	1094.1	979.2	957.3
65°	929.1	921.8	912.4	814.3	795.5
67.5°	773.6	751.6	737.0	677.5	668.1
70°	642.0	607.6	578.3	569.0	559.6
72.5°	519.9	494.8	447.9	474.0	472.9
75°	420.7	397.7	348.7	396.7	400.9
77.5°	344.5	328.8	281.9	325.7	339.3
80°	292.3	259.9	237.0	265.2	282.9
82.5°	223.4	198.4	193.1	204.6	221.3
85°	148.2	138.8	143.0	147.2	157.6
87.5°	75.2	80.4	86.6	94.0	99.2
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	18.1	19.9	18.4	20.2	20.5	17.2	19.0	17.5	19.3	19.6
	3H	19.2	20.8	19.6	21.1	21.5	18.3	19.9	18.7	20.2	20.6
	4H	19.6	21.1	20.0	21.5	21.8	18.8	20.3	19.2	20.6	21.0
	6H	19.9	21.4	20.3	21.7	22.1	19.2	20.6	19.6	21.0	21.4
	8H	20.1	21.5	20.5	21.8	22.2	19.4	20.8	19.8	21.2	21.5
	12H	20.2	21.5	20.7	21.9	22.3	19.6	20.9	20.0	21.3	21.7
4H	2H	18.5	20.0	18.9	20.4	20.7	17.7	19.3	18.1	19.6	20.0
	3H	19.8	21.1	20.2	21.4	21.8	19.1	20.3	19.5	20.7	21.1
	4H	20.3	21.4	20.7	21.8	22.3	19.6	20.8	20.1	21.2	21.6
	6H	20.8	21.8	21.2	22.2	22.7	20.2	21.2	20.7	21.7	22.1
	8H	21.0	21.9	21.4	22.4	22.8	20.5	21.4	20.9	21.9	22.3
	12H	21.2	22.0	21.7	22.5	23.0	20.7	21.6	21.2	22.1	22.5
8H	4H	20.4	21.4	20.9	21.8	22.3	19.8	20.8	20.3	21.2	21.7
	6H	21.0	21.8	21.5	22.3	22.8	20.5	21.4	21.0	21.8	22.3
	8H	21.3	22.1	21.8	22.6	23.0	20.9	21.6	21.4	22.1	22.6
	12H	21.6	22.3	22.1	22.8	23.3	21.3	21.9	21.8	22.4	22.9
12H	4H	20.5	21.3	20.9	21.8	22.3	19.9	20.7	20.4	21.2	21.7
	6H	21.1	21.8	21.6	22.3	22.8	20.6	21.3	21.1	21.8	22.3
	8H	21.4	22.1	21.9	22.6	23.1	21.0	21.7	21.5	22.2	22.7















(END OF REPORT)