

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: P1527157

Luminaire Tested: 24CGTX-72HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-72HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

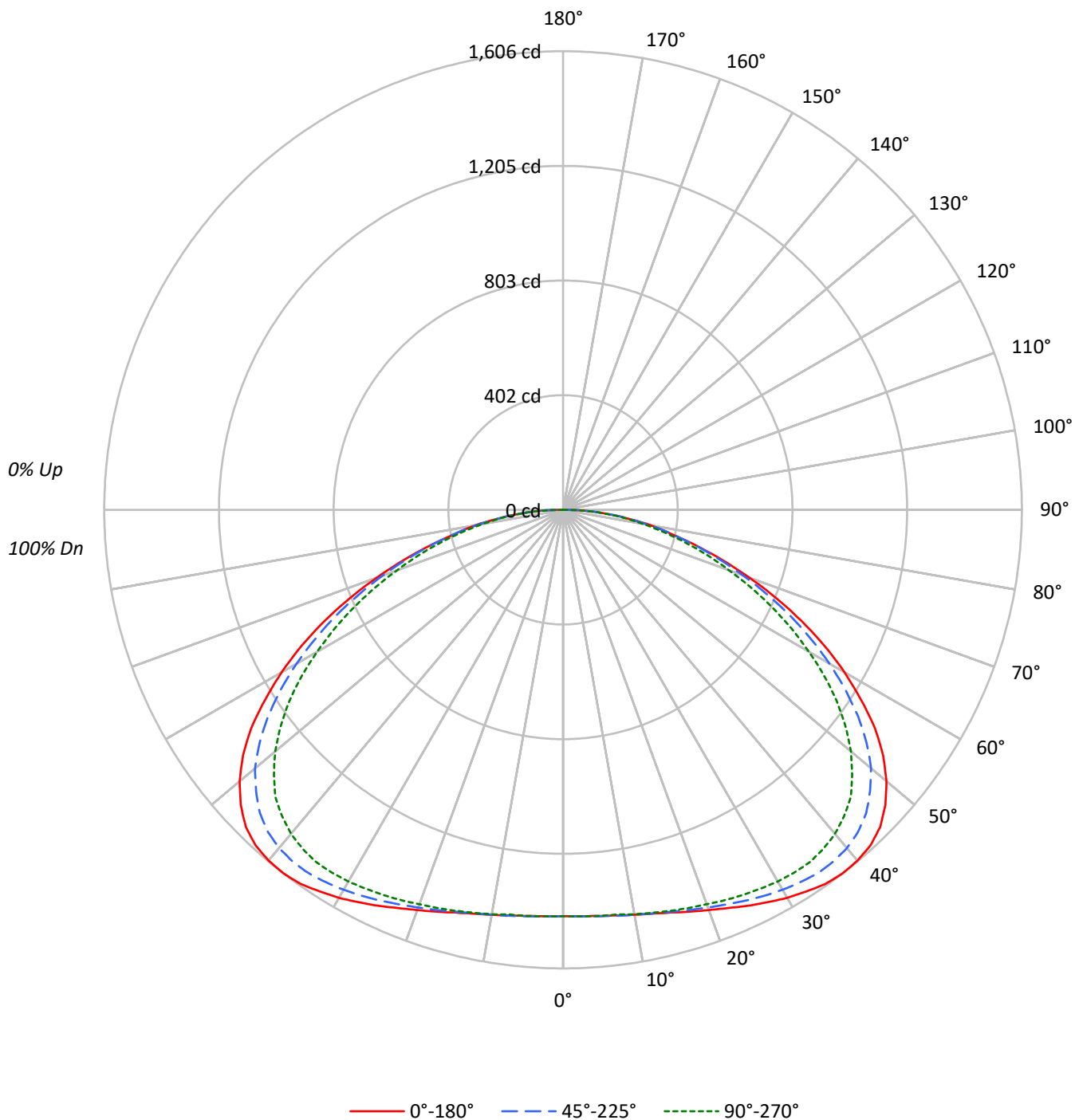
Lumens per Lamp: N/A
Luminaire Lumens: 6018.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	50	30	10
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	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66		
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54		
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45		
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39		
6	67	53	43	36	65	52	43	36	50	42	36	48	41	36	47	40	35	33		
7	62	47	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29		
8	57	43	34	28	56	42	34	28	41	33	28	40	33	27	38	32	27	25		
9	53	39	31	25	52	39	30	25	37	30	25	36	29	24	35	29	24	22		
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	33	26	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1915	1915	1915
5°	1928	1929	1928
10°	1967	1967	1964
15°	2033	2029	2025
20°	2135	2122	2104
25°	2272	2242	2209
30°	2438	2387	2335
35°	2627	2551	2474
40°	2817	2715	2601
45°	2987	2856	2710
50°	3093	2946	2753
55°	3127	2957	2745
60°	3062	2898	2675
65°	2930	2790	2570
70°	2729	2638	2432
75°	2499	2482	2302
80°	2423	2375	2204
85°	2252	2350	2203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 55°
Luminance: 3127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	2.3
10°-20°	414.0	6.9
20°-30°	699.2	11.6
30°-40°	972.7	16.2
40°-50°	1151.4	19.1
50°-60°	1117.1	18.6
60°-70°	860.7	14.3
70°-80°	502.2	8.3
80°-90°	164.1	2.7
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°	1249.9	20.8
0°-40°	2222.6	36.9
0°-60°	4491.0	74.6
0°-90°	6018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1423	1423	1423	1423	1423	
5°	1427	1428	1428	1428	1427	137
15°	1460	1460	1457	1454	1454	415
25°	1530	1524	1510	1494	1488	709
35°	1599	1586	1553	1521	1506	1002
45°	1570	1549	1501	1449	1424	1206
55°	1333	1310	1260	1202	1170	1183
65°	920	910	876	831	807	909
75°	481	492	478	456	443	515
85°	146	153	152	149	143	163
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1423.1	1423.1	1423.1	1423.1	1423.1
2.5°	1424.2	1425.2	1425.2	1425.2	1425.2
5°	1427.3	1428.4	1428.4	1428.4	1427.3
7.5°	1432.6	1432.6	1433.6	1432.6	1429.4
10°	1439.9	1439.9	1439.9	1438.9	1437.8
12.5°	1448.3	1449.4	1447.3	1446.2	1445.2
15°	1459.8	1459.8	1456.7	1453.6	1453.6
17.5°	1475.6	1473.5	1469.3	1464.0	1461.9
20°	1491.3	1489.2	1481.9	1473.5	1469.3
22.5°	1509.2	1505.0	1495.5	1484.0	1479.8
25°	1530.2	1523.9	1510.2	1494.5	1488.2
27.5°	1549.1	1540.7	1523.9	1506.0	1495.5
30°	1569.0	1558.5	1536.5	1513.4	1502.9
32.5°	1584.7	1574.2	1545.9	1519.7	1506.0
35°	1599.4	1585.8	1553.3	1520.7	1506.0
37.5°	1605.7	1591.0	1553.3	1515.5	1496.6
40°	1603.6	1587.9	1545.9	1502.9	1480.8
42.5°	1593.1	1574.2	1529.1	1480.8	1455.6
45°	1570.0	1549.1	1500.8	1449.4	1424.2
47.5°	1530.2	1509.2	1457.7	1403.2	1372.7
50°	1477.7	1455.6	1407.4	1346.5	1315.0
52.5°	1411.6	1389.5	1339.2	1277.2	1246.8
55°	1332.9	1309.8	1260.4	1201.7	1170.2
57.5°	1236.3	1219.5	1171.2	1115.6	1085.2
60°	1137.7	1120.9	1076.8	1024.3	993.9
62.5°	1031.7	1018.0	978.1	928.8	902.6
65°	920.4	909.9	876.3	831.2	807.1
67.5°	807.1	802.9	772.4	733.6	712.6
70°	693.7	695.8	670.6	636.0	618.2
72.5°	583.5	590.9	570.9	542.6	530.0
75°	480.7	492.2	477.5	455.5	442.9
77.5°	385.2	400.9	388.3	371.5	361.0
80°	312.7	311.7	306.5	293.9	284.4
82.5°	224.6	228.8	225.6	218.3	213.0
85°	145.9	153.2	152.2	149.0	142.7
87.5°	72.4	80.8	81.9	79.8	76.6
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	16.6	18.4	17.0	18.7	19.0	16.0	17.7	16.3	18.0	18.3
	3H	18.5	20.0	18.8	20.4	20.7	17.8	19.3	18.1	19.7	20.0
	4H	19.1	20.6	19.5	21.0	21.3	18.5	19.9	18.9	20.3	20.7
	6H	19.7	21.0	20.1	21.4	21.8	19.0	20.4	19.4	20.8	21.1
	8H	19.9	21.2	20.3	21.6	22.0	19.2	20.5	19.6	20.9	21.3
	12H	20.0	21.3	20.4	21.7	22.1	19.4	20.7	19.8	21.0	21.5
4H	2H	17.2	18.7	17.6	19.1	19.5	16.7	18.2	17.1	18.6	18.9
	3H	19.3	20.6	19.7	20.9	21.3	18.7	20.0	19.1	20.4	20.8
	4H	20.1	21.3	20.5	21.7	22.1	19.5	20.7	20.0	21.1	21.5
	6H	20.8	21.8	21.2	22.2	22.7	20.2	21.2	20.7	21.7	22.1
	8H	21.0	22.0	21.5	22.4	22.9	20.5	21.4	21.0	21.9	22.3
	12H	21.2	22.1	21.7	22.6	23.0	20.7	21.6	21.2	22.0	22.5
8H	4H	20.4	21.4	20.9	21.8	22.3	19.9	20.9	20.4	21.3	21.8
	6H	21.2	22.0	21.7	22.5	23.0	20.8	21.6	21.3	22.0	22.5
	8H	21.6	22.3	22.1	22.8	23.3	21.1	21.8	21.6	22.3	22.8
	12H	21.9	22.5	22.4	23.0	23.6	21.4	22.1	21.9	22.6	23.1
12H	4H	20.5	21.3	20.9	21.8	22.3	20.0	20.8	20.5	21.3	21.8
	6H	21.3	22.0	21.8	22.5	23.0	20.9	21.6	21.4	22.0	22.6
	8H	21.7	22.4	22.2	22.8	23.4	21.3	21.9	21.8	22.4	23.0















(END OF REPORT)