

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: P1527158

Luminaire Tested: 24CGTX-72HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527158
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

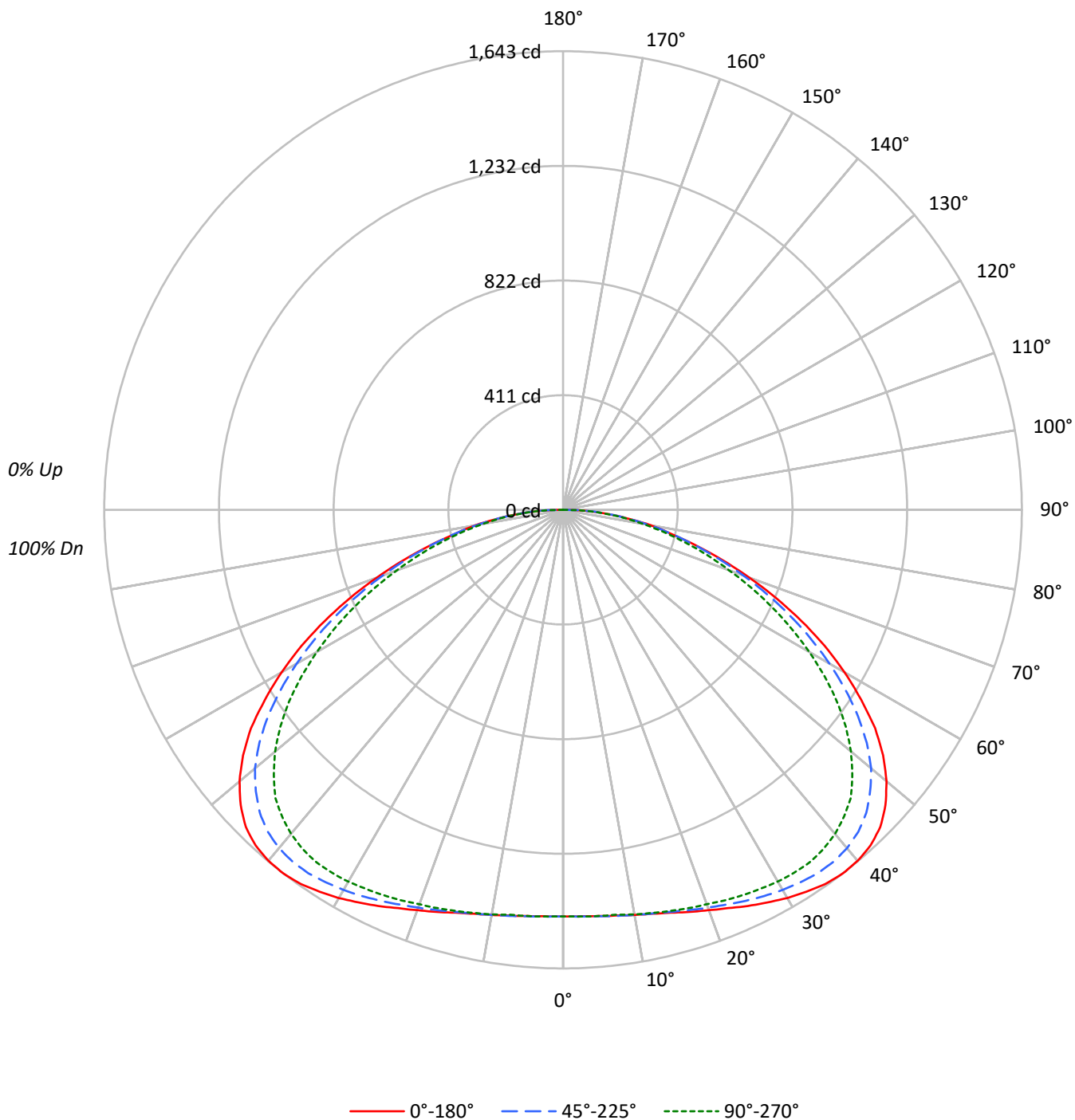
Lumens per Lamp: N/A
Luminaire Lumens: 6159.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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	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°	1960	1960	1960
5°	1973	1974	1973
10°	2013	2013	2010
15°	2081	2077	2072
20°	2185	2172	2153
25°	2325	2295	2261
30°	2495	2443	2390
35°	2689	2611	2532
40°	2883	2779	2662
45°	3057	2923	2773
50°	3166	3015	2817
55°	3200	3026	2809
60°	3133	2965	2737
65°	2999	2855	2630
70°	2793	2700	2489
75°	2557	2541	2357
80°	2480	2430	2256
85°	2305	2404	2255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 55°
Luminance: 3200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	2.3
10°-20°	423.7	6.9
20°-30°	715.6	11.6
30°-40°	995.4	16.2
40°-50°	1178.4	19.1
50°-60°	1143.2	18.6
60°-70°	880.9	14.3
70°-80°	514.0	8.3
80°-90°	168.0	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°	1279.2	20.8
0°-40°	2274.6	36.9
0°-60°	4596.2	74.6
0°-90°	6159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1456	1456	1456	1456	1456	
5°	1461	1462	1462	1462	1461	140
15°	1494	1494	1491	1488	1488	425
25°	1566	1560	1546	1530	1523	726
35°	1637	1623	1590	1556	1541	1025
45°	1607	1585	1536	1483	1458	1234
55°	1364	1340	1290	1230	1198	1211
65°	942	931	897	851	826	930
75°	492	504	489	466	453	527
85°	149	157	156	152	146	167
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1456.5	1456.5	1456.5	1456.5	1456.5
2.5°	1457.5	1458.6	1458.6	1458.6	1458.6
5°	1460.8	1461.8	1461.8	1461.8	1460.8
7.5°	1466.1	1466.1	1467.2	1466.1	1462.9
10°	1473.6	1473.6	1473.6	1472.6	1471.5
12.5°	1482.2	1483.3	1481.2	1480.1	1479.0
15°	1494.1	1494.1	1490.8	1487.6	1487.6
17.5°	1510.2	1508.0	1503.7	1498.3	1496.2
20°	1526.3	1524.1	1516.6	1508.0	1503.7
22.5°	1544.5	1540.2	1530.6	1518.8	1514.5
25°	1566.0	1559.6	1545.6	1529.5	1523.1
27.5°	1585.3	1576.8	1559.6	1541.3	1530.6
30°	1605.8	1595.0	1572.5	1548.8	1538.1
32.5°	1621.9	1611.1	1582.1	1555.3	1541.3
35°	1636.9	1622.9	1589.6	1556.3	1541.3
37.5°	1643.3	1628.3	1589.6	1551.0	1531.6
40°	1641.2	1625.1	1582.1	1538.1	1515.5
42.5°	1630.5	1611.1	1564.9	1515.5	1489.8
45°	1606.8	1585.3	1535.9	1483.3	1457.5
47.5°	1566.0	1544.5	1491.9	1436.1	1404.9
50°	1512.3	1489.8	1440.3	1378.0	1345.8
52.5°	1444.6	1422.1	1370.5	1307.2	1276.0
55°	1364.1	1340.5	1290.0	1229.8	1197.6
57.5°	1265.3	1248.1	1198.7	1141.8	1110.6
60°	1164.3	1147.1	1102.0	1048.3	1017.2
62.5°	1055.8	1041.9	1001.0	950.6	923.7
65°	942.0	931.2	896.9	850.7	826.0
67.5°	826.0	821.7	790.5	750.8	729.3
70°	710.0	712.1	686.3	650.9	632.6
72.5°	597.2	604.7	584.3	555.3	542.4
75°	491.9	503.7	488.7	466.2	453.3
77.5°	394.2	410.3	397.4	380.2	369.5
80°	320.1	319.0	313.6	300.7	291.1
82.5°	229.9	234.2	230.9	223.4	218.0
85°	149.3	156.8	155.7	152.5	146.1
87.5°	74.1	82.7	83.8	81.6	78.4
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	16.7	18.5	17.1	18.8	19.1	16.1	17.8	16.4	18.1	18.4
	3H	18.5	20.1	18.9	20.5	20.8	17.8	19.4	18.2	19.8	20.1
	4H	19.2	20.7	19.6	21.1	21.4	18.5	20.0	18.9	20.4	20.7
	6H	19.7	21.1	20.2	21.5	21.9	19.1	20.5	19.5	20.8	21.2
	8H	19.9	21.3	20.4	21.7	22.0	19.3	20.6	19.7	21.0	21.4
	12H	20.1	21.4	20.5	21.7	22.2	19.5	20.7	19.9	21.1	21.5
4H	2H	17.3	18.8	17.7	19.2	19.5	16.8	18.3	17.2	18.6	19.0
	3H	19.4	20.6	19.8	21.0	21.4	18.8	20.1	19.2	20.5	20.9
	4H	20.2	21.3	20.6	21.7	22.2	19.6	20.8	20.1	21.2	21.6
	6H	20.9	21.9	21.3	22.3	22.8	20.3	21.3	20.8	21.8	22.2
	8H	21.1	22.1	21.6	22.5	23.0	20.6	21.5	21.0	22.0	22.4
	12H	21.3	22.2	21.8	22.6	23.1	20.8	21.7	21.3	22.1	22.6
8H	4H	20.5	21.4	21.0	21.9	22.4	20.0	21.0	20.5	21.4	21.9
	6H	21.3	22.1	21.8	22.6	23.1	20.8	21.6	21.3	22.1	22.6
	8H	21.7	22.4	22.2	22.9	23.4	21.2	21.9	21.7	22.4	22.9
	12H	22.0	22.6	22.5	23.1	23.6	21.5	22.1	22.0	22.6	23.2
12H	4H	20.6	21.4	21.0	21.9	22.3	20.1	20.9	20.5	21.4	21.9
	6H	21.4	22.1	21.9	22.6	23.1	20.9	21.7	21.5	22.1	22.7
	8H	21.8	22.4	22.3	22.9	23.5	21.4	22.0	21.9	22.5	23.0















(END OF REPORT)