

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: P1526995

Luminaire Tested: 14CGTX-70HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-70HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

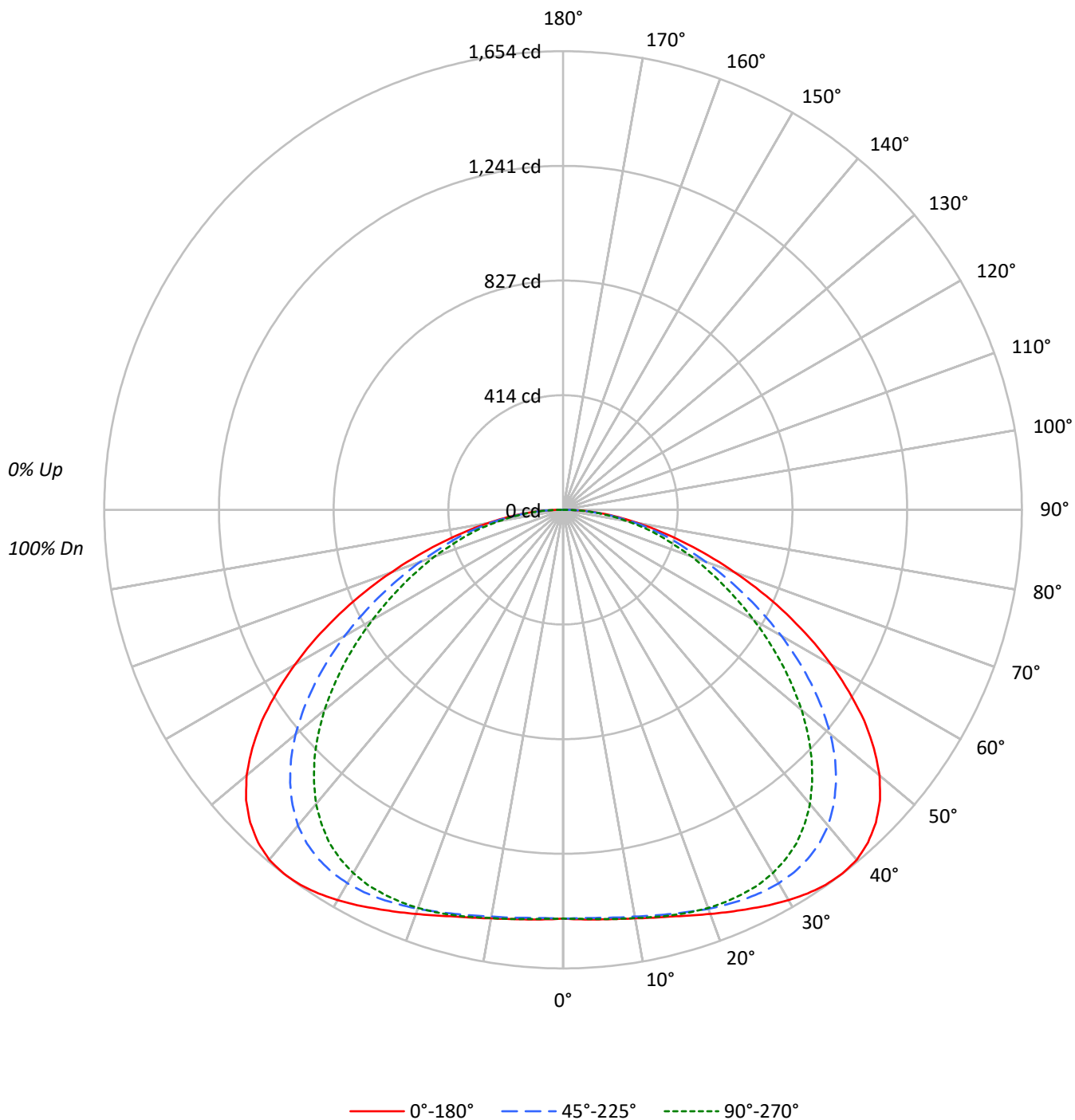
Lumens per Lamp: N/A
Luminaire Lumens: 5649.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56			
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47			
5	74	61	51	44	72	59	51	44	57	50	44	55	48	43	53	47	43	40			
6	68	54	45	38	66	53	44	38	51	44	38	50	43	37	48	42	37	35			
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30			
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27			
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24			
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3967	3967	3967
5°	4006	3990	4002
10°	4088	4070	4084
15°	4230	4203	4218
20°	4441	4386	4375
25°	4714	4600	4541
30°	5050	4832	4699
35°	5424	5051	4821
40°	5787	5222	4865
45°	6070	5296	4822
50°	6233	5267	4699
55°	6217	5121	4502
60°	6009	4887	4268
65°	5660	4590	4036
70°	5179	4297	3880
75°	4659	4138	3747
80°	4260	4020	3620
85°	4097	3847	3619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 6246 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	2.5
10°-20°	429.5	7.6
20°-30°	718.8	12.7
30°-40°	968.5	17.1
40°-50°	1086.4	19.2
50°-60°	996.9	17.6
60°-70°	737.3	13.1
70°-80°	428.9	7.6
80°-90°	141.0	2.5
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°	1290.0	22.8
0°-40°	2258.5	40.0
0°-60°	4341.8	76.9
0°-90°	5649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1483	1482	1477	1478	1482	142
15°	1518	1515	1509	1510	1514	432
25°	1588	1576	1549	1532	1529	736
35°	1651	1616	1538	1484	1468	1034
45°	1595	1534	1392	1297	1267	1226
55°	1325	1249	1092	990	960	1177
65°	889	835	721	655	634	879
75°	448	442	398	366	360	480
85°	133	136	125	126	117	146
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.1	1474.1	1474.1	1474.1	1474.1
2.5°	1478.5	1478.5	1473.4	1474.8	1476.3
5°	1482.9	1482.2	1477.0	1477.8	1481.5
7.5°	1488.1	1488.1	1482.9	1482.9	1488.1
10°	1496.2	1494.7	1489.6	1491.1	1494.7
12.5°	1506.5	1503.6	1498.4	1499.9	1504.3
15°	1518.3	1515.4	1508.7	1510.2	1513.9
17.5°	1533.8	1529.4	1519.8	1519.8	1522.0
20°	1550.8	1543.4	1531.6	1525.7	1527.9
22.5°	1569.2	1559.6	1540.4	1530.1	1530.9
25°	1587.6	1575.8	1549.3	1532.3	1529.4
27.5°	1607.5	1590.6	1554.4	1530.9	1525.0
30°	1625.2	1603.8	1555.2	1522.7	1512.4
32.5°	1640.7	1612.7	1550.0	1507.3	1494.0
35°	1651.0	1616.4	1537.5	1483.7	1467.5
37.5°	1653.9	1611.9	1516.9	1451.3	1429.9
40°	1647.3	1597.9	1486.6	1408.5	1384.9
42.5°	1627.4	1572.9	1443.9	1356.9	1328.9
45°	1595.0	1534.5	1391.6	1297.2	1267.0
47.5°	1550.0	1481.5	1330.4	1228.7	1197.0
50°	1488.8	1416.6	1258.1	1154.2	1122.5
52.5°	1412.9	1337.7	1177.8	1075.4	1041.5
55°	1325.2	1249.3	1091.6	989.9	959.6
57.5°	1222.8	1152.7	1000.9	904.4	875.6
60°	1116.6	1050.3	908.0	818.9	793.1
62.5°	1004.6	944.2	814.4	734.1	712.0
65°	888.9	835.1	720.8	655.2	633.9
67.5°	773.2	731.9	631.7	573.4	561.6
70°	658.2	627.2	546.2	507.8	493.1
72.5°	549.1	532.9	465.1	439.3	419.4
75°	448.1	442.2	398.0	366.3	360.4
77.5°	356.7	365.6	327.3	304.4	299.2
80°	274.9	283.8	259.4	240.3	233.6
82.5°	200.5	212.3	187.9	183.5	176.9
85°	132.7	136.4	124.6	126.0	117.2
87.5°	64.9	72.2	65.6	67.8	63.4
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	19.0	20.7	19.4	21.0	21.3	17.2	18.9	17.5	19.2	19.5
	3H	20.7	22.3	21.1	22.6	23.0	18.9	20.4	19.3	20.8	21.1
	4H	21.4	22.8	21.8	23.2	23.5	19.6	21.1	20.0	21.4	21.8
	6H	21.9	23.2	22.3	23.6	24.0	20.2	21.5	20.6	21.9	22.3
	8H	22.0	23.3	22.5	23.7	24.1	20.4	21.7	20.8	22.1	22.5
	12H	22.2	23.4	22.6	23.8	24.2	20.6	21.8	21.0	22.2	22.6
4H	2H	19.4	20.9	19.8	21.2	21.6	18.0	19.4	18.3	19.8	20.1
	3H	21.4	22.6	21.8	23.0	23.4	19.9	21.1	20.3	21.5	21.9
	4H	22.2	23.3	22.6	23.7	24.1	20.7	21.8	21.1	22.2	22.7
	6H	22.9	23.8	23.3	24.3	24.7	21.4	22.4	21.9	22.8	23.3
	8H	23.1	24.0	23.6	24.4	24.9	21.7	22.6	22.2	23.1	23.5
	12H	23.3	24.1	23.8	24.6	25.1	21.9	22.8	22.4	23.2	23.7
8H	4H	22.4	23.4	22.9	23.8	24.3	21.1	22.0	21.6	22.5	22.9
	6H	23.2	24.0	23.7	24.5	25.0	22.0	22.8	22.5	23.2	23.7
	8H	23.6	24.3	24.1	24.8	25.3	22.4	23.0	22.9	23.5	24.0
	12H	23.9	24.5	24.4	25.0	25.5	22.7	23.3	23.2	23.8	24.3
12H	4H	22.5	23.3	23.0	23.8	24.2	21.2	22.0	21.7	22.5	23.0
	6H	23.3	24.0	23.8	24.5	25.0	22.1	22.8	22.6	23.3	23.8
	8H	23.7	24.3	24.2	24.8	25.4	22.5	23.1	23.0	23.6	24.2













(END OF REPORT)