

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: P1526996

Luminaire Tested: 14CGTX-70HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526996
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

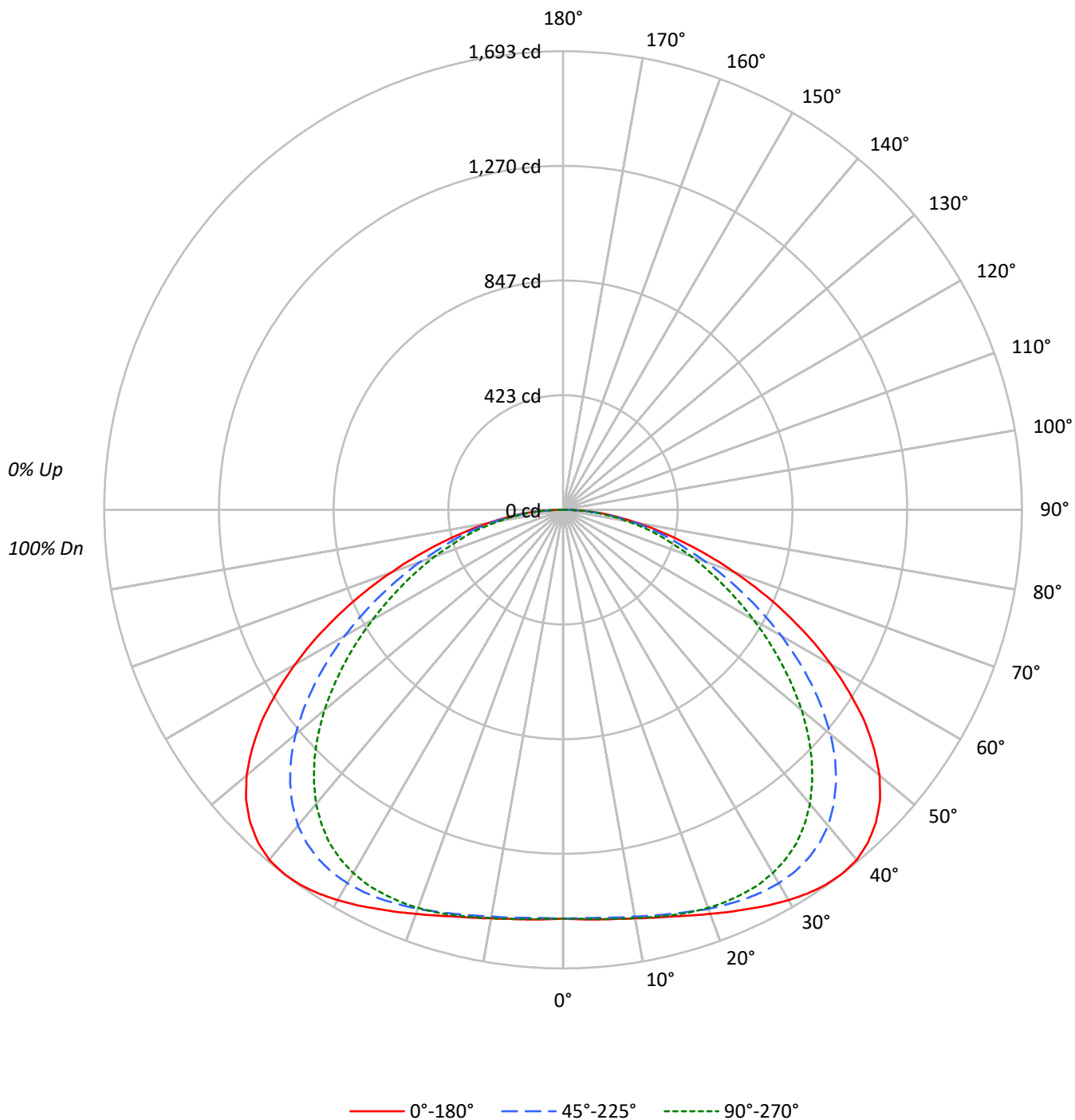
Lumens per Lamp: N/A
Luminaire Lumens: 5782.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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	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°	4060	4060	4060
5°	4100	4084	4096
10°	4185	4166	4180
15°	4330	4302	4317
20°	4546	4489	4479
25°	4825	4709	4648
30°	5169	4946	4810
35°	5551	5170	4934
40°	5923	5345	4979
45°	6213	5420	4935
50°	6380	5391	4810
55°	6364	5242	4608
60°	6151	5002	4369
65°	5793	4698	4131
70°	5301	4398	3971
75°	4769	4236	3836
80°	4361	4116	3705
85°	4193	3937	3705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 6393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	2.5
10°-20°	439.7	7.6
20°-30°	735.7	12.7
30°-40°	991.3	17.1
40°-50°	1112.0	19.2
50°-60°	1020.3	17.6
60°-70°	754.7	13.1
70°-80°	439.0	7.6
80°-90°	144.3	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°	1320.4	22.8
0°-40°	2311.7	40.0
0°-60°	4444.0	76.9
0°-90°	5782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1509	1509	1509	1509	1509	
5°	1518	1517	1512	1513	1516	145
15°	1554	1551	1544	1546	1550	442
25°	1625	1613	1586	1568	1565	753
35°	1690	1654	1574	1519	1502	1058
45°	1632	1571	1424	1328	1297	1255
55°	1356	1279	1117	1013	982	1205
65°	910	855	738	671	649	900
75°	459	453	407	375	369	491
85°	136	140	128	129	120	149
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1508.8	1508.8	1508.8	1508.8	1508.8
2.5°	1513.3	1513.3	1508.1	1509.6	1511.1
5°	1517.9	1517.1	1511.8	1512.6	1516.4
7.5°	1523.1	1523.1	1517.9	1517.9	1523.1
10°	1531.4	1529.9	1524.6	1526.2	1529.9
12.5°	1542.0	1539.0	1533.7	1535.2	1539.7
15°	1554.1	1551.1	1544.3	1545.8	1549.5
17.5°	1569.9	1565.4	1555.6	1555.6	1557.8
20°	1587.3	1579.7	1567.7	1561.6	1563.9
22.5°	1606.1	1596.3	1576.7	1566.1	1566.9
25°	1625.0	1612.9	1585.8	1568.4	1565.4
27.5°	1645.4	1628.0	1591.0	1566.9	1560.9
30°	1663.5	1641.6	1591.8	1558.6	1548.0
32.5°	1679.3	1650.6	1586.5	1542.8	1529.2
35°	1689.9	1654.4	1573.7	1518.6	1502.0
37.5°	1692.9	1649.9	1552.6	1485.4	1463.5
40°	1686.1	1635.5	1521.6	1441.7	1417.5
42.5°	1665.7	1609.9	1477.9	1388.9	1360.2
45°	1632.5	1570.7	1424.3	1327.8	1296.8
47.5°	1586.5	1516.4	1361.7	1257.6	1225.2
50°	1523.9	1450.0	1287.8	1181.4	1149.0
52.5°	1446.2	1369.2	1205.5	1100.7	1066.0
55°	1356.4	1278.7	1117.3	1013.2	982.2
57.5°	1251.6	1179.9	1024.5	925.7	896.2
60°	1142.9	1075.0	929.4	838.1	811.7
62.5°	1028.3	966.4	833.6	751.4	728.8
65°	909.8	854.7	737.8	670.7	648.8
67.5°	791.4	749.1	646.5	586.9	574.9
70°	673.7	642.0	559.0	519.8	504.7
72.5°	562.0	545.4	476.0	449.6	429.3
75°	458.7	452.6	407.4	374.9	368.9
77.5°	365.1	374.2	335.0	311.6	306.3
80°	281.4	290.4	265.6	245.9	239.1
82.5°	205.2	217.3	192.4	187.8	181.1
85°	135.8	139.6	127.5	129.0	120.0
87.5°	66.4	73.9	67.1	69.4	64.9
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	19.1	20.8	19.4	21.1	21.4	17.3	19.0	17.6	19.3	19.6
	3H	20.8	22.4	21.2	22.7	23.0	19.0	20.5	19.4	20.9	21.2
	4H	21.5	22.9	21.9	23.3	23.6	19.7	21.1	20.1	21.5	21.9
	6H	21.9	23.3	22.4	23.7	24.0	20.3	21.6	20.7	22.0	22.4
	8H	22.1	23.4	22.5	23.8	24.2	20.5	21.8	20.9	22.2	22.6
	12H	22.3	23.5	22.7	23.9	24.3	20.7	21.9	21.1	22.3	22.7
4H	2H	19.5	20.9	19.9	21.3	21.7	18.0	19.5	18.4	19.8	20.2
	3H	21.5	22.7	21.9	23.1	23.5	20.0	21.2	20.4	21.6	22.0
	4H	22.3	23.4	22.7	23.8	24.2	20.8	21.9	21.2	22.3	22.7
	6H	22.9	23.9	23.4	24.3	24.8	21.5	22.5	22.0	22.9	23.4
	8H	23.2	24.1	23.6	24.5	25.0	21.8	22.7	22.2	23.1	23.6
	12H	23.4	24.2	23.8	24.7	25.1	22.0	22.8	22.5	23.3	23.8
8H	4H	22.5	23.4	23.0	23.9	24.3	21.2	22.1	21.7	22.6	23.0
	6H	23.3	24.1	23.8	24.6	25.0	22.1	22.8	22.6	23.3	23.8
	8H	23.7	24.3	24.2	24.9	25.3	22.4	23.1	22.9	23.6	24.1
	12H	24.0	24.6	24.5	25.1	25.6	22.8	23.4	23.3	23.9	24.4
12H	4H	22.6	23.4	23.0	23.9	24.3	21.3	22.1	21.8	22.6	23.0
	6H	23.4	24.1	23.9	24.5	25.1	22.2	22.9	22.7	23.3	23.9
	8H	23.8	24.4	24.3	24.9	25.4	22.6	23.2	23.1	23.7	24.3















(END OF REPORT)