

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: P1526994

Luminaire Tested: 14CGTX-70HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526994
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

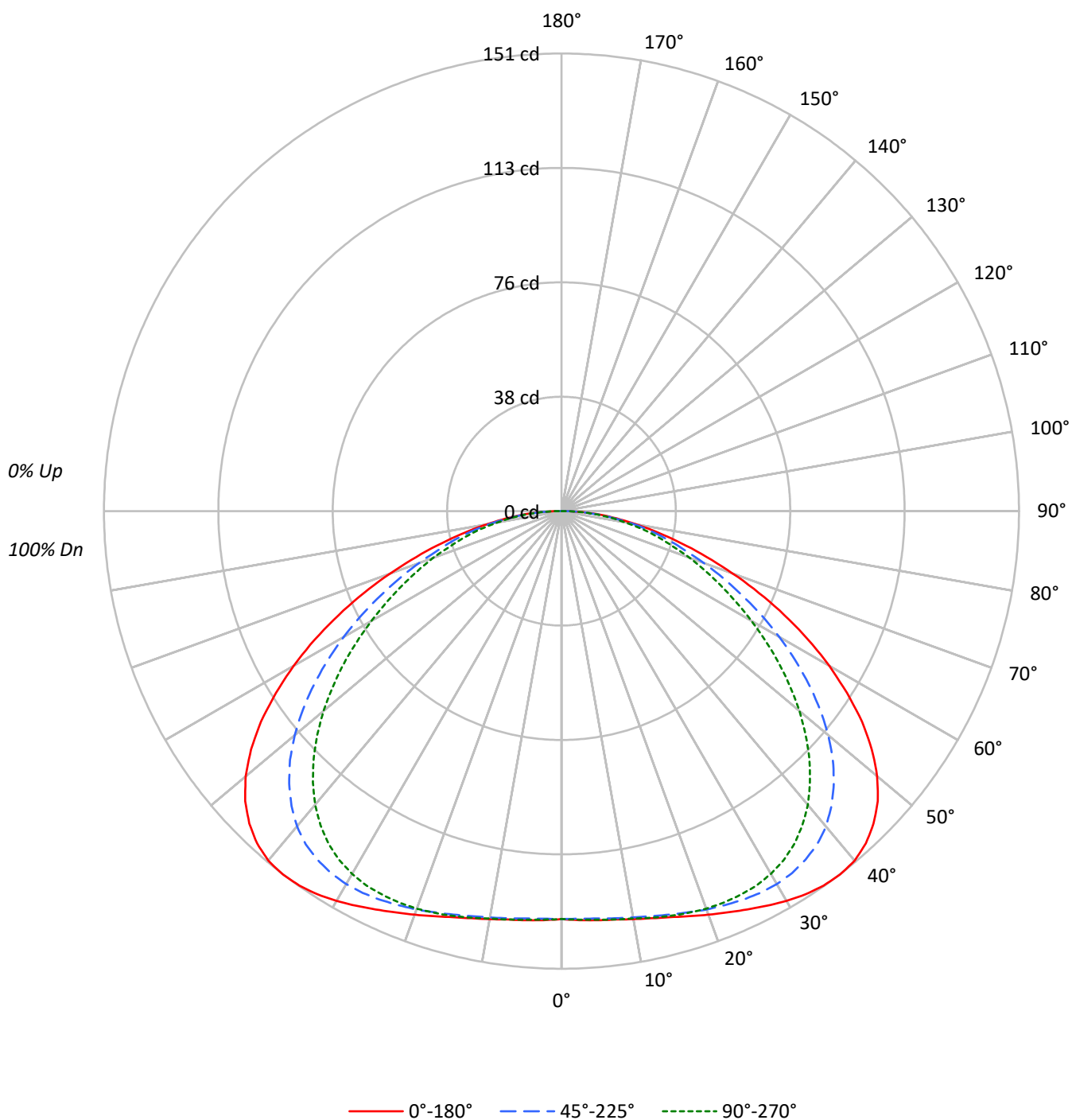
Lumens per Lamp: N/A
Luminaire Lumens: 516.0 lumens
Efficiency: N/A
Efficacy: 9.8 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	362	362	362
5°	366	364	365
10°	374	372	373
15°	386	384	385
20°	406	401	400
25°	431	420	415
30°	461	442	429
35°	495	461	440
40°	529	477	444
45°	554	484	440
50°	569	481	429
55°	568	468	411
60°	549	446	390
65°	517	419	369
70°	473	393	354
75°	425	378	342
80°	389	367	330
85°	374	352	330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	2.5
10°-20°	39.2	7.6
20°-30°	65.7	12.7
30°-40°	88.5	17.1
40°-50°	99.2	19.2
50°-60°	91.1	17.6
60°-70°	67.4	13.1
70°-80°	39.2	7.6
80°-90°	12.9	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°	117.8	22.8
0°-40°	206.3	40.0
0°-60°	396.6	76.9
0°-90°	516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	135	135	135	135	135	
5°	136	135	135	135	135	13
15°	139	138	138	138	138	39
25°	145	144	142	140	140	67
35°	151	148	140	136	134	94
45°	146	140	127	118	116	112
55°	121	114	100	90	88	108
65°	81	76	66	60	58	80
75°	41	40	36	34	33	44
85°	12	12	11	12	11	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	134.6	134.6	134.6	134.6	134.6
2.5°	135.1	135.1	134.6	134.7	134.9
5°	135.5	135.4	134.9	135.0	135.3
7.5°	135.9	135.9	135.5	135.5	135.9
10°	136.7	136.5	136.1	136.2	136.5
12.5°	137.6	137.3	136.9	137.0	137.4
15°	138.7	138.4	137.8	137.9	138.3
17.5°	140.1	139.7	138.8	138.8	139.0
20°	141.7	141.0	139.9	139.4	139.6
22.5°	143.3	142.5	140.7	139.8	139.8
25°	145.0	143.9	141.5	140.0	139.7
27.5°	146.8	145.3	142.0	139.8	139.3
30°	148.5	146.5	142.1	139.1	138.2
32.5°	149.9	147.3	141.6	137.7	136.5
35°	150.8	147.6	140.4	135.5	134.0
37.5°	151.1	147.2	138.6	132.6	130.6
40°	150.5	146.0	135.8	128.7	126.5
42.5°	148.7	143.7	131.9	123.9	121.4
45°	145.7	140.2	127.1	118.5	115.7
47.5°	141.6	135.3	121.5	112.2	109.3
50°	136.0	129.4	114.9	105.4	102.5
52.5°	129.1	122.2	107.6	98.2	95.1
55°	121.1	114.1	99.7	90.4	87.7
57.5°	111.7	105.3	91.4	82.6	80.0
60°	102.0	95.9	82.9	74.8	72.4
62.5°	91.8	86.2	74.4	67.1	65.0
65°	81.2	76.3	65.8	59.9	57.9
67.5°	70.6	66.9	57.7	52.4	51.3
70°	60.1	57.3	49.9	46.4	45.0
72.5°	50.2	48.7	42.5	40.1	38.3
75°	40.9	40.4	36.4	33.5	32.9
77.5°	32.6	33.4	29.9	27.8	27.3
80°	25.1	25.9	23.7	21.9	21.3
82.5°	18.3	19.4	17.2	16.8	16.2
85°	12.1	12.5	11.4	11.5	10.7
87.5°	5.9	6.6	6.0	6.2	5.8
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	10.7	12.4	11.0	12.7	13.0	8.9	10.6	9.2	10.9	11.2
	3H	12.4	14.0	12.8	14.3	14.6	10.6	12.1	11.0	12.5	12.8
	4H	13.1	14.5	13.5	14.9	15.2	11.3	12.7	11.7	13.1	13.5
	6H	13.6	14.9	14.0	15.3	15.7	11.9	13.2	12.3	13.6	14.0
	8H	13.7	15.0	14.1	15.4	15.8	12.1	13.4	12.5	13.8	14.2
	12H	13.9	15.1	14.3	15.5	15.9	12.3	13.5	12.7	13.9	14.3
4H	2H	11.1	12.5	11.5	12.9	13.3	9.6	11.1	10.0	11.4	11.8
	3H	13.1	14.3	13.5	14.7	15.1	11.6	12.8	12.0	13.2	13.6
	4H	13.9	15.0	14.3	15.4	15.8	12.4	13.5	12.8	13.9	14.3
	6H	14.5	15.5	15.0	16.0	16.4	13.1	14.1	13.6	14.5	15.0
	8H	14.8	15.7	15.2	16.1	16.6	13.4	14.3	13.8	14.7	15.2
	12H	15.0	15.8	15.5	16.3	16.7	13.6	14.4	14.1	14.9	15.4
8H	4H	14.1	15.0	14.6	15.5	15.9	12.8	13.7	13.3	14.2	14.6
	6H	14.9	15.7	15.4	16.2	16.7	13.7	14.4	14.2	14.9	15.4
	8H	15.3	16.0	15.8	16.5	16.9	14.0	14.7	14.5	15.2	15.7
	12H	15.6	16.2	16.1	16.7	17.2	14.4	15.0	14.9	15.5	16.0
12H	4H	14.2	15.0	14.6	15.5	15.9	12.9	13.7	13.4	14.2	14.7
	6H	15.0	15.7	15.5	16.1	16.7	13.8	14.5	14.3	14.9	15.5
	8H	15.4	16.0	15.9	16.5	17.0	14.2	14.8	14.7	15.3	15.9













(END OF REPORT)