

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: P1526987

Luminaire Tested: 14CGTX-42HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526987
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-42HE-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

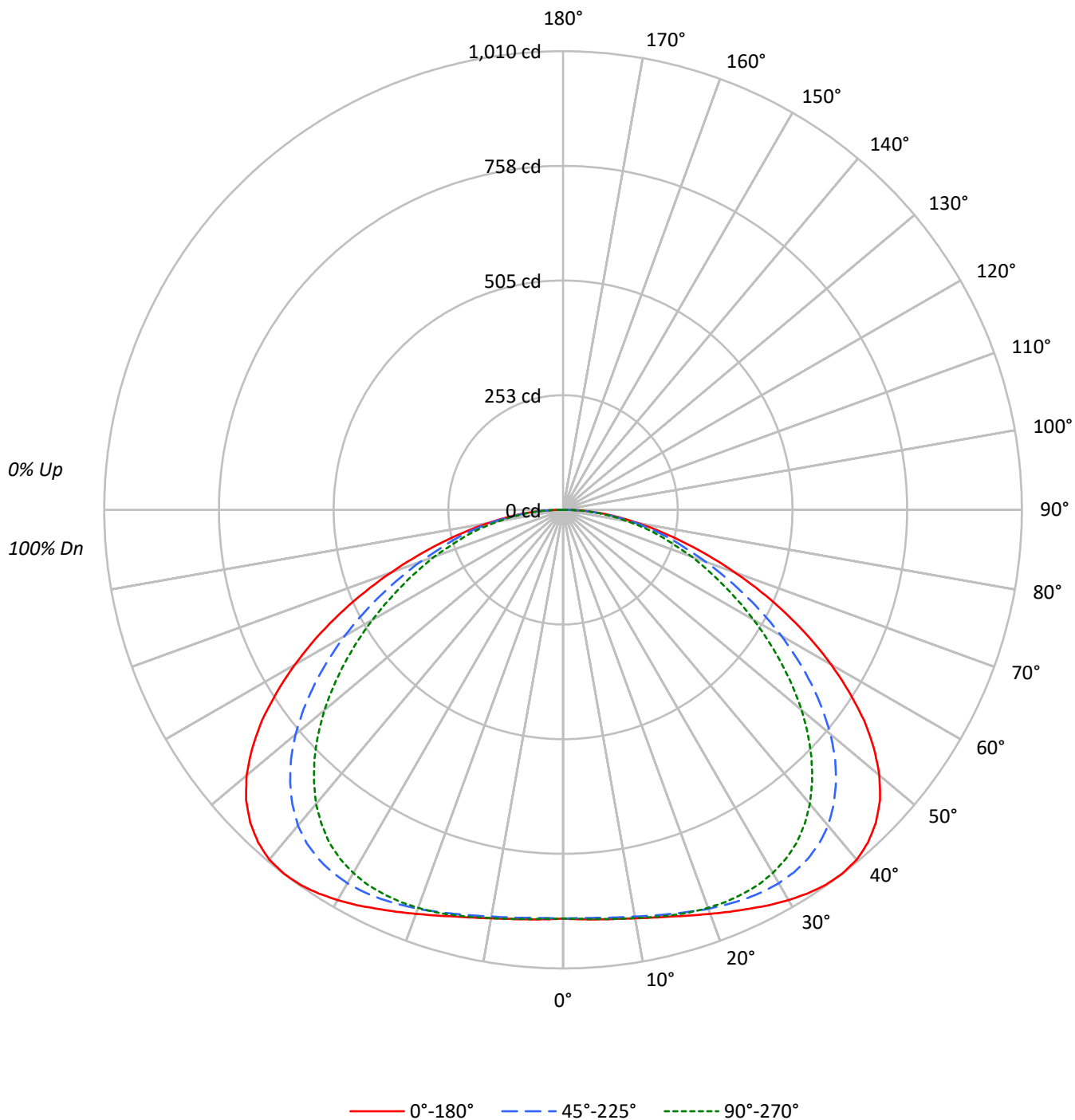
Lumens per Lamp: N/A
Luminaire Lumens: 3449.1 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.9
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		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°	2422	2422	2422
5°	2446	2436	2443
10°	2496	2485	2494
15°	2583	2566	2575
20°	2711	2678	2672
25°	2878	2809	2773
30°	3083	2950	2869
35°	3311	3084	2943
40°	3533	3189	2970
45°	3706	3233	2944
50°	3805	3216	2869
55°	3796	3127	2749
60°	3669	2984	2606
65°	3456	2802	2464
70°	3162	2624	2369
75°	2845	2527	2288
80°	2602	2455	2211
85°	2501	2350	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	2.5
10°-20°	262.3	7.6
20°-30°	438.9	12.7
30°-40°	591.3	17.1
40°-50°	663.3	19.2
50°-60°	608.6	17.6
60°-70°	450.2	13.1
70°-80°	261.9	7.6
80°-90°	86.1	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°	787.6	22.8
0°-40°	1379.0	40.0
0°-60°	2650.9	76.9
0°-90°	3449.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3449.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	905	905	902	902	904	87
15°	927	925	921	922	924	264
25°	969	962	946	936	934	449
35°	1008	987	939	906	896	631
45°	974	937	850	792	774	748
55°	809	763	666	604	586	719
65°	543	510	440	400	387	537
75°	274	270	243	224	220	293
85°	81	83	76	77	72	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	900.0	900.0	900.0	900.0	900.0
2.5°	902.7	902.7	899.6	900.5	901.4
5°	905.4	905.0	901.8	902.3	904.5
7.5°	908.6	908.6	905.4	905.4	908.6
10°	913.5	912.6	909.5	910.4	912.6
12.5°	919.8	918.0	914.9	915.8	918.5
15°	927.0	925.2	921.2	922.1	924.3
17.5°	936.5	933.8	927.9	927.9	929.3
20°	946.8	942.3	935.1	931.5	932.9
22.5°	958.1	952.2	940.5	934.2	934.7
25°	969.3	962.1	945.9	935.6	933.8
27.5°	981.5	971.1	949.1	934.7	931.1
30°	992.3	979.2	949.5	929.7	923.4
32.5°	1001.7	984.6	946.4	920.3	912.2
35°	1008.0	986.9	938.7	905.9	896.0
37.5°	1009.8	984.2	926.1	886.1	873.0
40°	1005.8	975.6	907.7	860.0	845.6
42.5°	993.6	960.3	881.6	828.5	811.4
45°	973.8	936.9	849.6	792.0	773.6
47.5°	946.4	904.5	812.3	750.2	730.8
50°	909.0	864.9	768.2	704.7	685.4
52.5°	862.7	816.8	719.1	656.6	635.9
55°	809.1	762.8	666.5	604.4	585.9
57.5°	746.6	703.8	611.1	552.2	534.6
60°	681.8	641.3	554.4	500.0	484.2
62.5°	613.4	576.5	497.3	448.2	434.7
65°	542.7	509.9	440.1	400.1	387.0
67.5°	472.1	446.9	385.7	350.1	342.9
70°	401.9	383.0	333.5	310.1	301.1
72.5°	335.3	325.4	284.0	268.2	256.1
75°	273.6	270.0	243.0	223.7	220.1
77.5°	217.8	223.2	199.8	185.9	182.7
80°	167.9	173.3	158.4	146.7	142.7
82.5°	122.4	129.6	114.8	112.1	108.0
85°	81.0	83.3	76.1	77.0	71.6
87.5°	39.6	44.1	40.1	41.4	38.7
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	17.3	19.0	17.6	19.3	19.6	15.5	17.2	15.8	17.5	17.8
	3H	19.0	20.6	19.4	20.9	21.2	17.2	18.7	17.6	19.1	19.4
	4H	19.7	21.1	20.1	21.5	21.8	17.9	19.3	18.3	19.7	20.1
	6H	20.2	21.5	20.6	21.9	22.3	18.5	19.8	18.9	20.2	20.6
	8H	20.3	21.6	20.7	22.0	22.4	18.7	20.0	19.1	20.4	20.8
	12H	20.5	21.7	20.9	22.1	22.5	18.9	20.1	19.3	20.5	20.9
4H	2H	17.7	19.1	18.1	19.5	19.9	16.2	17.7	16.6	18.0	18.4
	3H	19.7	20.9	20.1	21.3	21.7	18.2	19.4	18.6	19.8	20.2
	4H	20.5	21.6	20.9	22.0	22.4	19.0	20.1	19.4	20.5	20.9
	6H	21.1	22.1	21.6	22.6	23.0	19.7	20.7	20.2	21.1	21.6
	8H	21.4	22.3	21.8	22.7	23.2	20.0	20.9	20.4	21.3	21.8
	12H	21.6	22.4	22.1	22.9	23.3	20.2	21.0	20.7	21.5	22.0
8H	4H	20.7	21.6	21.2	22.1	22.5	19.4	20.3	19.9	20.8	21.2
	6H	21.5	22.3	22.0	22.8	23.3	20.3	21.0	20.8	21.5	22.0
	8H	21.9	22.6	22.4	23.1	23.5	20.6	21.3	21.1	21.8	22.3
	12H	22.2	22.8	22.7	23.3	23.8	21.0	21.6	21.5	22.1	22.6
12H	4H	20.8	21.6	21.2	22.1	22.5	19.5	20.3	20.0	20.8	21.3
	6H	21.6	22.3	22.1	22.7	23.3	20.4	21.1	20.9	21.5	22.1
	8H	22.0	22.6	22.5	23.1	23.6	20.8	21.4	21.3	21.9	22.5















(END OF REPORT)