

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: P1526988

Luminaire Tested: 14CGTX-42HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526988
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

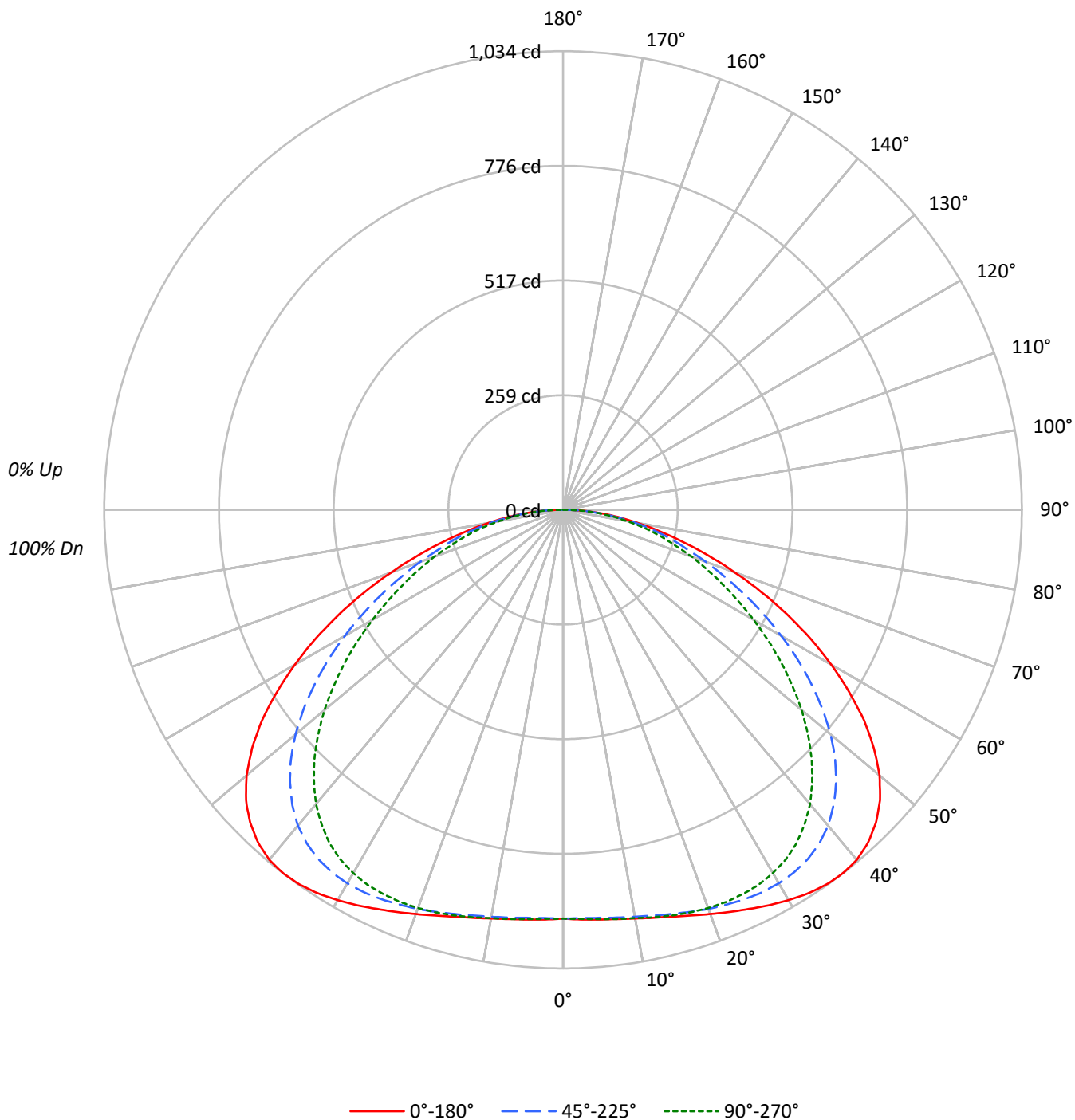
Lumens per Lamp: N/A
Luminaire Lumens: 3532.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	2480	2480	2480
5°	2505	2495	2502
10°	2556	2545	2554
15°	2645	2628	2637
20°	2777	2742	2736
25°	2947	2876	2839
30°	3157	3022	2938
35°	3391	3158	3014
40°	3618	3265	3042
45°	3795	3311	3015
50°	3897	3293	2938
55°	3887	3202	2815
60°	3758	3056	2669
65°	3539	2870	2523
70°	3238	2687	2426
75°	2913	2588	2342
80°	2664	2514	2264
85°	2563	2405	2263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	2.5
10°-20°	268.6	7.6
20°-30°	449.4	12.7
30°-40°	605.5	17.1
40°-50°	679.3	19.2
50°-60°	623.3	17.6
60°-70°	461.0	13.1
70°-80°	268.2	7.6
80°-90°	88.2	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°	806.6	22.8
0°-40°	1412.1	40.0
0°-60°	2714.6	76.9
0°-90°	3532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	927	927	924	924	926	89
15°	949	948	943	944	947	270
25°	993	985	969	958	956	460
35°	1032	1011	961	928	918	646
45°	997	960	870	811	792	766
55°	829	781	682	619	600	736
65°	556	522	451	410	396	550
75°	280	276	249	229	225	300
85°	83	85	78	79	73	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	921.7	921.7	921.7	921.7	921.7
2.5°	924.4	924.4	921.2	922.1	923.1
5°	927.2	926.7	923.5	924.0	926.3
7.5°	930.4	930.4	927.2	927.2	930.4
10°	935.5	934.6	931.3	932.3	934.6
12.5°	941.9	940.1	936.9	937.8	940.6
15°	949.3	947.5	943.3	944.3	946.6
17.5°	959.0	956.2	950.2	950.2	951.6
20°	969.6	965.0	957.6	953.9	955.3
22.5°	981.1	975.1	963.1	956.7	957.2
25°	992.6	985.3	968.7	958.1	956.2
27.5°	1005.1	994.5	971.9	957.2	953.5
30°	1016.1	1002.8	972.4	952.1	945.6
32.5°	1025.8	1008.3	969.1	942.4	934.1
35°	1032.3	1010.6	961.3	927.7	917.5
37.5°	1034.1	1007.8	948.4	907.4	894.0
40°	1030.0	999.1	929.5	880.7	865.9
42.5°	1017.5	983.4	902.8	848.4	830.9
45°	997.2	959.5	870.1	811.1	792.2
47.5°	969.1	926.3	831.8	768.2	748.4
50°	930.9	885.7	786.6	721.7	701.9
52.5°	883.4	836.4	736.4	672.4	651.2
55°	828.6	781.1	682.5	618.9	600.0
57.5°	764.5	720.7	625.8	565.4	547.5
60°	698.2	656.7	567.8	512.0	495.9
62.5°	628.1	590.3	509.2	459.0	445.2
65°	555.8	522.1	450.7	409.7	396.3
67.5°	483.4	457.6	394.9	358.5	351.2
70°	411.5	392.2	341.5	317.5	308.3
72.5°	343.3	333.2	290.8	274.7	262.2
75°	280.2	276.5	248.9	229.0	225.3
77.5°	223.0	228.6	204.6	190.3	187.1
80°	171.9	177.4	162.2	150.2	146.1
82.5°	125.3	132.7	117.5	114.7	110.6
85°	83.0	85.3	77.9	78.8	73.3
87.5°	40.6	45.2	41.0	42.4	39.6
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	17.4	19.1	17.7	19.4	19.7	15.6	17.3	15.9	17.6	17.9
	3H	19.1	20.6	19.5	21.0	21.3	17.3	18.8	17.6	19.1	19.5
	4H	19.7	21.2	20.1	21.5	21.9	18.0	19.4	18.4	19.8	20.1
	6H	20.2	21.6	20.6	21.9	22.3	18.6	19.9	19.0	20.3	20.7
	8H	20.4	21.7	20.8	22.1	22.5	18.8	20.1	19.2	20.4	20.8
	12H	20.5	21.8	21.0	22.2	22.6	18.9	20.2	19.4	20.6	21.0
4H	2H	17.8	19.2	18.2	19.6	19.9	16.3	17.8	16.7	18.1	18.5
	3H	19.8	21.0	20.2	21.4	21.8	18.3	19.5	18.7	19.9	20.3
	4H	20.6	21.7	21.0	22.1	22.5	19.1	20.2	19.5	20.6	21.0
	6H	21.2	22.2	21.7	22.6	23.1	19.8	20.8	20.2	21.2	21.7
	8H	21.5	22.4	21.9	22.8	23.3	20.1	21.0	20.5	21.4	21.9
	12H	21.7	22.5	22.1	23.0	23.4	20.3	21.1	20.8	21.6	22.1
8H	4H	20.8	21.7	21.3	22.2	22.6	19.5	20.4	20.0	20.9	21.3
	6H	21.6	22.4	22.1	22.9	23.3	20.4	21.1	20.8	21.6	22.1
	8H	22.0	22.6	22.5	23.1	23.6	20.7	21.4	21.2	21.9	22.4
	12H	22.2	22.9	22.7	23.3	23.9	21.1	21.7	21.6	22.2	22.7
12H	4H	20.8	21.7	21.3	22.1	22.6	19.6	20.4	20.0	20.9	21.3
	6H	21.7	22.4	22.2	22.8	23.4	20.5	21.2	21.0	21.6	22.2
	8H	22.1	22.7	22.6	23.2	23.7	20.9	21.5	21.4	22.0	22.6













(END OF REPORT)