

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: P1527033

Luminaire Tested: 22CGTX-35HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-35HE-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

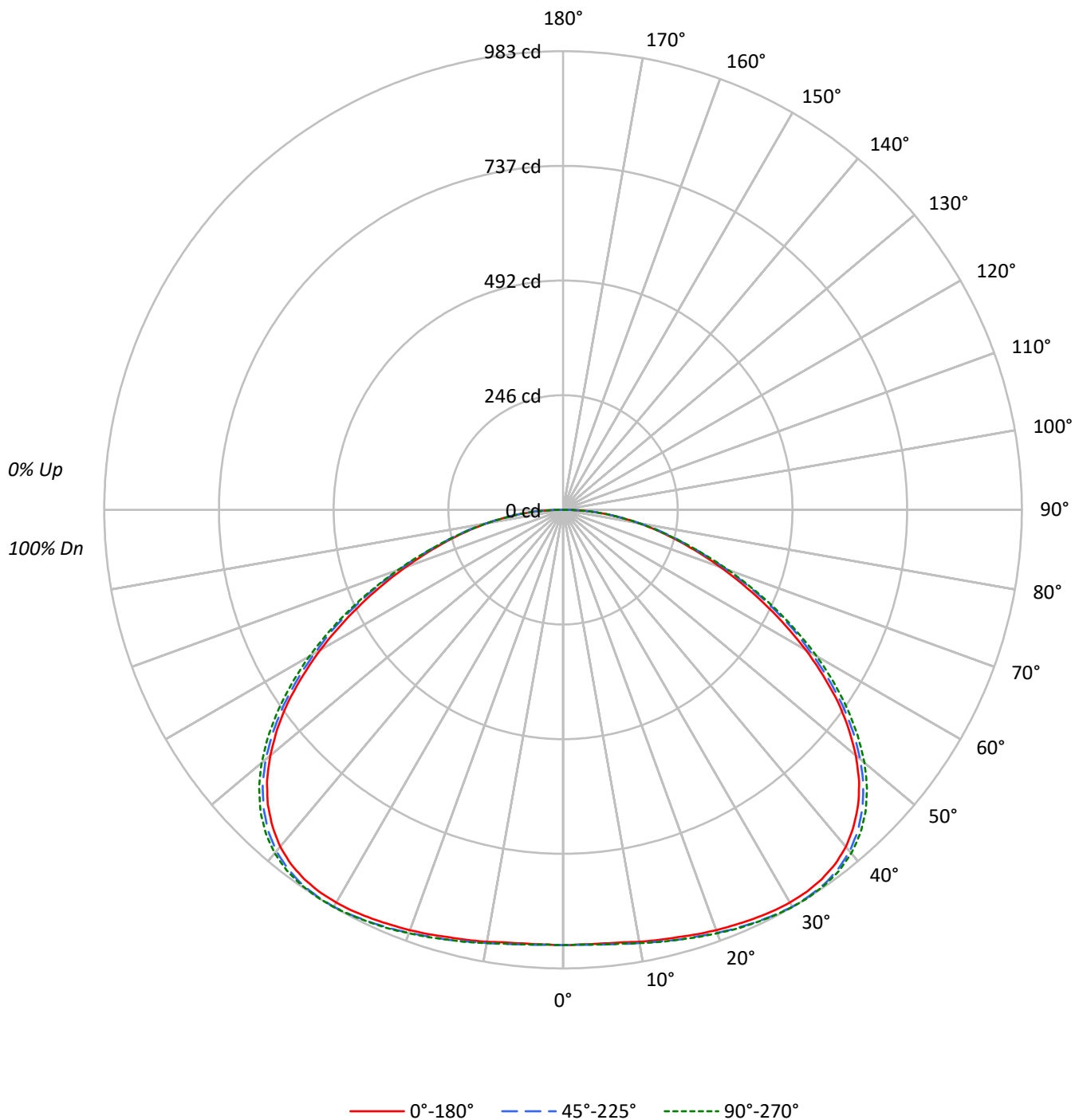
Lumens per Lamp: N/A
Luminaire Lumens: 3622.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70	67
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48	41	37	34
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39	33	28	26
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36	30	25	24
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2511	2511	2511
5°	2521	2526	2526
10°	2569	2576	2576
15°	2642	2657	2657
20°	2745	2763	2765
25°	2871	2896	2898
30°	3020	3052	3054
35°	3175	3213	3220
40°	3312	3356	3375
45°	3403	3451	3488
50°	3427	3480	3529
55°	3376	3428	3490
60°	3235	3306	3377
65°	3033	3143	3196
70°	2820	2924	2956
75°	2645	2718	2718
80°	2557	2590	2568
85°	2482	2569	2482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	2.5
10°-20°	270.4	7.5
20°-30°	450.6	12.4
30°-40°	610.5	16.9
40°-50°	696.3	19.2
50°-60°	650.9	18.0
60°-70°	486.1	13.4
70°-80°	277.5	7.7
80°-90°	90.1	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°	810.5	22.4
0°-40°	1421.1	39.2
0°-60°	2768.3	76.4
0°-90°	3622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	933	934	935	936	935	89
15°	948	951	954	955	954	269
25°	967	970	975	977	976	448
35°	966	971	978	981	980	605
45°	894	898	907	913	916	687
55°	720	722	731	739	744	640
65°	476	483	494	496	502	472
75°	254	259	261	262	261	272
85°	80	84	83	82	80	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.1	933.1	933.1	933.1	933.1
2.5°	932.4	933.1	933.1	934.5	932.4
5°	933.1	934.5	935.2	935.9	935.2
7.5°	935.2	937.3	938.6	939.3	938.0
10°	940.0	941.4	942.8	944.2	942.8
12.5°	944.2	946.3	947.7	949.7	949.0
15°	948.3	951.1	953.9	954.6	953.9
17.5°	953.9	956.0	958.7	960.1	960.1
20°	958.7	961.5	965.0	966.4	965.7
22.5°	962.9	966.4	970.5	972.6	971.9
25°	967.1	970.5	975.4	976.8	976.1
27.5°	970.5	974.7	979.5	981.6	980.2
30°	971.9	976.1	982.3	983.7	983.0
32.5°	971.2	975.4	981.6	983.7	983.0
35°	966.4	971.2	978.2	980.9	980.2
37.5°	957.4	962.2	969.1	972.6	973.3
40°	942.8	947.7	955.3	960.1	960.8
42.5°	921.3	926.2	934.5	940.0	942.1
45°	894.3	898.4	906.8	913.0	916.5
47.5°	860.3	863.8	872.8	879.7	883.2
50°	818.7	822.2	831.2	838.1	843.0
52.5°	771.6	774.3	783.4	791.7	795.8
55°	719.6	721.7	730.7	739.0	743.8
57.5°	660.7	666.9	673.8	681.5	687.0
60°	601.0	605.9	614.2	621.8	627.4
62.5°	537.3	546.3	556.0	560.1	565.0
65°	476.3	483.2	493.6	496.4	501.9
67.5°	415.9	423.6	432.6	434.7	438.1
70°	358.4	364.6	371.6	374.3	375.7
72.5°	304.3	309.2	314.0	316.1	316.1
75°	254.4	258.6	261.4	262.0	261.4
77.5°	209.4	210.1	216.3	212.1	211.4
80°	165.0	165.0	167.1	167.1	165.7
82.5°	122.0	124.8	124.1	123.4	121.3
85°	80.4	83.9	83.2	81.8	80.4
87.5°	39.5	43.7	41.6	43.7	40.2
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	16.6	18.3	17.0	18.7	19.0	16.8	18.5	17.2	18.8	19.1
	3H	18.3	19.9	18.7	20.2	20.6	18.5	20.1	18.9	20.4	20.8
	4H	19.0	20.4	19.4	20.8	21.1	19.2	20.6	19.6	21.0	21.4
	6H	19.5	20.9	19.9	21.2	21.6	19.7	21.0	20.1	21.4	21.8
	8H	19.7	21.0	20.1	21.4	21.8	19.9	21.2	20.3	21.6	21.9
	12H	19.8	21.1	20.3	21.5	21.9	20.0	21.3	20.4	21.6	22.1
4H	2H	17.3	18.7	17.7	19.1	19.5	17.4	18.9	17.8	19.2	19.6
	3H	19.2	20.4	19.6	20.8	21.2	19.4	20.6	19.8	21.0	21.4
	4H	20.0	21.1	20.4	21.5	21.9	20.1	21.3	20.6	21.7	22.1
	6H	20.6	21.6	21.1	22.1	22.5	20.8	21.8	21.2	22.2	22.7
	8H	20.9	21.8	21.4	22.3	22.7	21.0	21.9	21.5	22.4	22.8
	12H	21.1	21.9	21.6	22.4	22.9	21.2	22.1	21.7	22.5	23.0
8H	4H	20.3	21.2	20.8	21.7	22.1	20.5	21.4	20.9	21.8	22.3
	6H	21.1	21.9	21.6	22.4	22.8	21.2	22.0	21.7	22.5	23.0
	8H	21.5	22.1	22.0	22.7	23.1	21.6	22.3	22.1	22.8	23.2
	12H	21.8	22.4	22.3	22.9	23.4	21.9	22.5	22.4	23.0	23.5
12H	4H	20.4	21.2	20.8	21.7	22.1	20.5	21.3	21.0	21.8	22.3
	6H	21.2	21.9	21.7	22.4	22.9	21.3	22.0	21.8	22.5	23.0
	8H	21.6	22.2	22.1	22.7	23.3	21.7	22.3	22.2	22.8	23.4















(END OF REPORT)