

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: P1527034

Luminaire Tested: 22CGTX-35HE-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527034
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

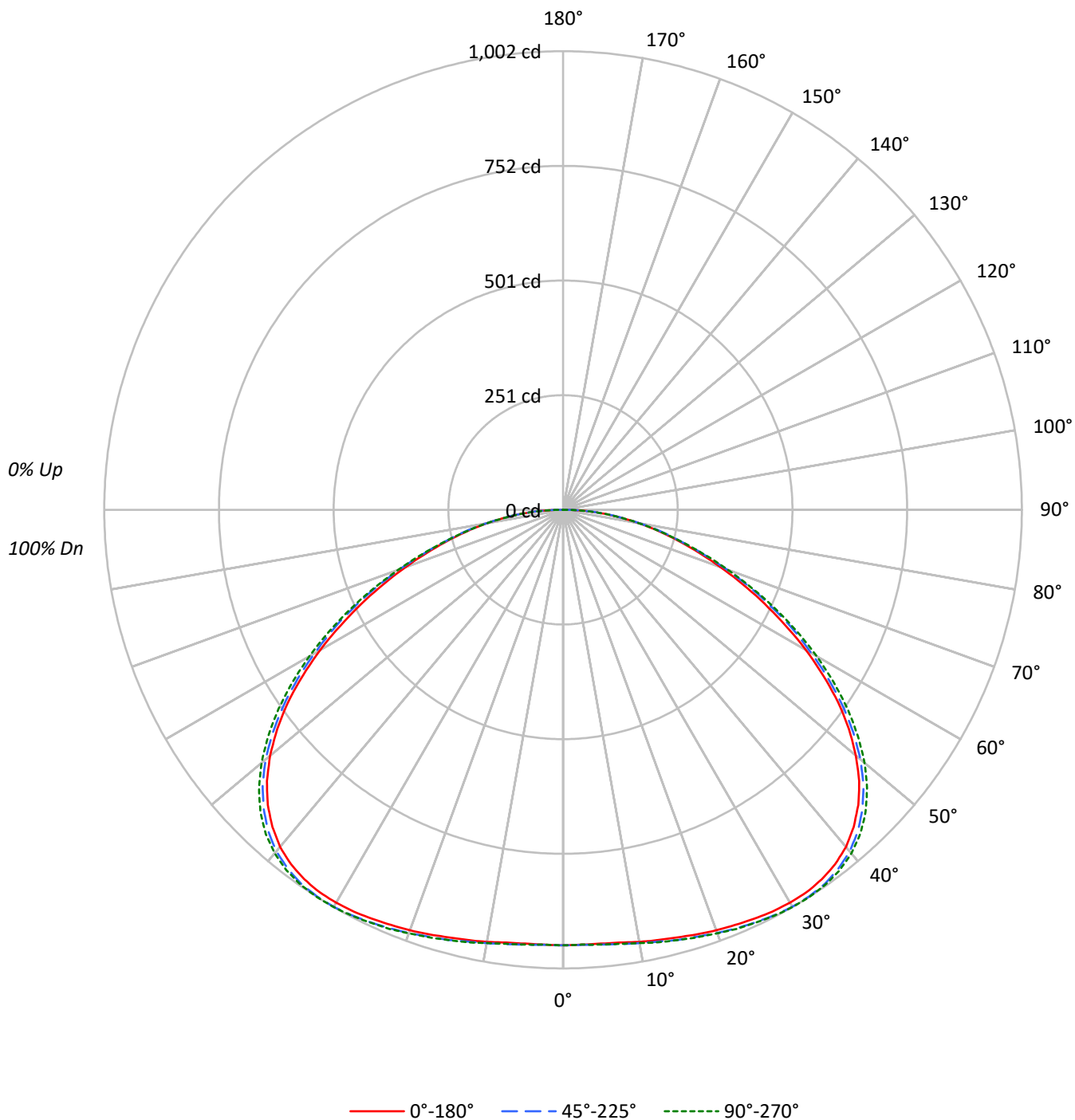
Lumens per Lamp: N/A
Luminaire Lumens: 3693.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	70	70	67
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	58	58	56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	49	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	42	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	37	37	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	32	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	28	28	26
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	25	25	24
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2560	2560	2560
5°	2570	2576	2576
10°	2619	2627	2627
15°	2694	2710	2710
20°	2799	2818	2820
25°	2928	2953	2955
30°	3079	3112	3114
35°	3237	3276	3283
40°	3377	3421	3442
45°	3470	3518	3556
50°	3495	3548	3598
55°	3442	3495	3558
60°	3298	3370	3443
65°	3092	3205	3258
70°	2875	2981	3014
75°	2697	2771	2771
80°	2607	2639	2617
85°	2532	2618	2532

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	2.5
10°-20°	275.7	7.5
20°-30°	459.5	12.4
30°-40°	622.5	16.9
40°-50°	710.0	19.2
50°-60°	663.7	18.0
60°-70°	495.6	13.4
70°-80°	283.0	7.7
80°-90°	91.8	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°	826.4	22.4
0°-40°	1448.9	39.2
0°-60°	2822.6	76.4
0°-90°	3693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	951	953	954	954	954	91
15°	967	970	973	973	973	275
25°	986	990	994	996	995	456
35°	985	990	997	1000	1000	617
45°	912	916	924	931	934	701
55°	734	736	745	754	758	653
65°	486	493	503	506	512	481
75°	259	264	266	267	266	277
85°	82	86	85	83	82	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.4	951.4	951.4	951.4	951.4
2.5°	950.7	951.4	951.4	952.8	950.7
5°	951.4	952.8	953.5	954.2	953.5
7.5°	953.5	955.6	957.0	957.8	956.3
10°	958.5	959.9	961.3	962.7	961.3
12.5°	962.7	964.8	966.2	968.4	967.6
15°	966.9	969.8	972.6	973.3	972.6
17.5°	972.6	974.7	977.5	979.0	979.0
20°	977.5	980.4	983.9	985.3	984.6
22.5°	981.8	985.3	989.6	991.7	991.0
25°	986.0	989.6	994.5	995.9	995.2
27.5°	989.6	993.8	998.7	1000.9	999.5
30°	991.0	995.2	1001.6	1003.0	1002.3
32.5°	990.3	994.5	1000.9	1003.0	1002.3
35°	985.3	990.3	997.3	1000.2	999.5
37.5°	976.1	981.1	988.1	991.7	992.4
40°	961.3	966.2	974.0	979.0	979.7
42.5°	939.4	944.3	952.8	958.5	960.6
45°	911.8	916.0	924.5	930.9	934.4
47.5°	877.2	880.7	889.9	897.0	900.5
50°	834.8	838.3	847.5	854.6	859.5
52.5°	786.7	789.5	798.7	807.2	811.4
55°	733.7	735.8	745.0	753.5	758.4
57.5°	673.6	680.0	687.0	694.8	700.5
60°	612.8	617.8	626.2	634.0	639.7
62.5°	547.8	557.0	566.9	571.1	576.1
65°	485.6	492.7	503.3	506.1	511.7
67.5°	424.1	431.9	441.1	443.2	446.7
70°	365.4	371.8	378.9	381.7	383.1
72.5°	310.3	315.2	320.2	322.3	322.3
75°	259.4	263.6	266.5	267.2	266.5
77.5°	213.5	214.2	220.5	216.3	215.6
80°	168.2	168.2	170.3	170.3	168.9
82.5°	124.4	127.2	126.5	125.8	123.7
85°	82.0	85.5	84.8	83.4	82.0
87.5°	40.3	44.5	42.4	44.5	41.0
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	16.7	18.4	17.1	18.7	19.0	16.9	18.6	17.2	18.9	19.2
	3H	18.4	19.9	18.8	20.3	20.6	18.6	20.1	19.0	20.5	20.8
	4H	19.0	20.5	19.4	20.8	21.2	19.2	20.7	19.6	21.0	21.4
	6H	19.6	20.9	20.0	21.3	21.7	19.7	21.1	20.2	21.5	21.9
	8H	19.8	21.1	20.2	21.4	21.8	19.9	21.2	20.4	21.6	22.0
	12H	19.9	21.2	20.3	21.5	22.0	20.1	21.3	20.5	21.7	22.1
4H	2H	17.3	18.8	17.7	19.2	19.5	17.5	18.9	17.9	19.3	19.7
	3H	19.3	20.5	19.7	20.9	21.3	19.4	20.7	19.8	21.1	21.5
	4H	20.0	21.2	20.5	21.6	22.0	20.2	21.3	20.6	21.7	22.2
	6H	20.7	21.7	21.2	22.1	22.6	20.9	21.8	21.3	22.3	22.7
	8H	21.0	21.9	21.4	22.3	22.8	21.1	22.0	21.6	22.5	22.9
	12H	21.2	22.0	21.7	22.5	22.9	21.3	22.1	21.8	22.6	23.1
8H	4H	20.4	21.3	20.8	21.7	22.2	20.5	21.4	21.0	21.9	22.3
	6H	21.2	21.9	21.7	22.4	22.9	21.3	22.1	21.8	22.6	23.0
	8H	21.5	22.2	22.0	22.7	23.2	21.6	22.3	22.1	22.8	23.3
	12H	21.8	22.4	22.3	22.9	23.5	21.9	22.5	22.4	23.0	23.6
12H	4H	20.4	21.2	20.9	21.7	22.2	20.6	21.4	21.0	21.9	22.3
	6H	21.3	22.0	21.8	22.4	23.0	21.4	22.1	21.9	22.5	23.1
	8H	21.7	22.3	22.2	22.8	23.3	21.8	22.4	22.3	22.9	23.4













(END OF REPORT)