

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: P1527028

Luminaire Tested: 22CGTX-35-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527028
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-35-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

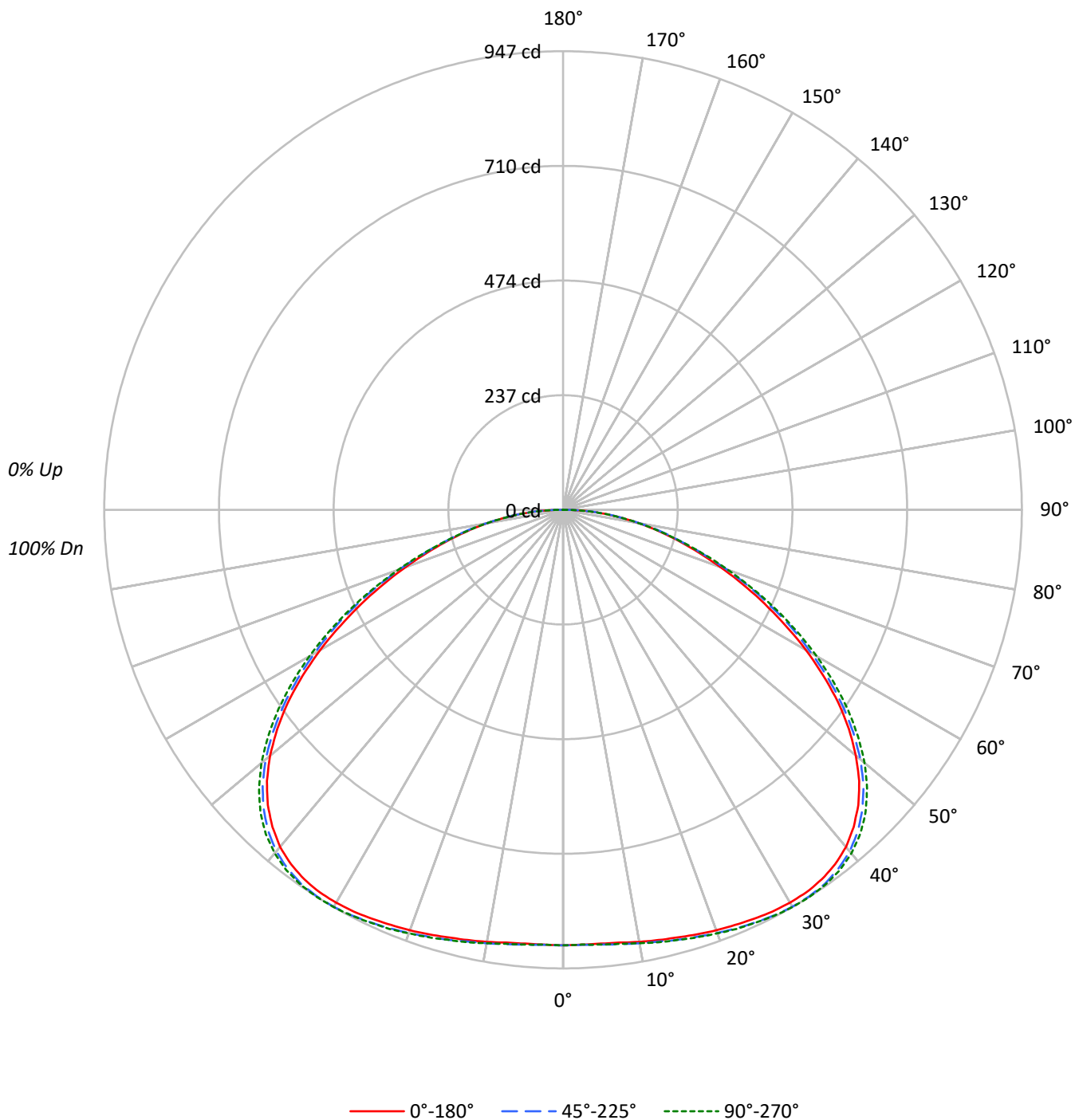
Lumens per Lamp: N/A
Luminaire Lumens: 3490.4 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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	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°	2420	2420	2420
5°	2429	2434	2434
10°	2475	2483	2483
15°	2546	2561	2561
20°	2646	2663	2665
25°	2767	2791	2793
30°	2910	2941	2944
35°	3059	3097	3103
40°	3192	3234	3253
45°	3280	3325	3361
50°	3303	3353	3401
55°	3253	3303	3363
60°	3117	3186	3254
65°	2923	3029	3080
70°	2718	2817	2849
75°	2549	2619	2619
80°	2464	2495	2475
85°	2393	2476	2393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.5
10°-20°	260.6	7.5
20°-30°	434.3	12.4
30°-40°	588.4	16.9
40°-50°	671.0	19.2
50°-60°	627.2	18.0
60°-70°	468.4	13.4
70°-80°	267.5	7.7
80°-90°	86.8	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°	781.1	22.4
0°-40°	1369.4	39.2
0°-60°	2667.7	76.4
0°-90°	3490.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3490.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	899	900	901	902	901	86
15°	914	917	919	920	919	259
25°	932	935	940	941	941	431
35°	931	936	943	945	945	583
45°	862	866	874	880	883	662
55°	693	695	704	712	717	617
65°	459	466	476	478	484	455
75°	245	249	252	252	252	262
85°	78	81	80	79	78	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.2	899.2	899.2	899.2	899.2
2.5°	898.5	899.2	899.2	900.5	898.5
5°	899.2	900.5	901.2	901.9	901.2
7.5°	901.2	903.2	904.5	905.2	903.9
10°	905.9	907.2	908.6	909.9	908.6
12.5°	909.9	911.9	913.2	915.2	914.6
15°	913.9	916.6	919.2	919.9	919.2
17.5°	919.2	921.3	923.9	925.3	925.3
20°	923.9	926.6	929.9	931.3	930.6
22.5°	927.9	931.3	935.3	937.3	936.6
25°	931.9	935.3	940.0	941.3	940.6
27.5°	935.3	939.3	944.0	946.0	944.6
30°	936.6	940.6	946.6	948.0	947.3
32.5°	935.9	940.0	946.0	948.0	947.3
35°	931.3	935.9	942.6	945.3	944.6
37.5°	922.6	927.3	933.9	937.3	938.0
40°	908.6	913.2	920.6	925.3	925.9
42.5°	887.8	892.5	900.5	905.9	907.9
45°	861.8	865.8	873.8	879.8	883.2
47.5°	829.1	832.4	841.1	847.8	851.1
50°	789.0	792.3	801.0	807.7	812.4
52.5°	743.5	746.2	754.9	762.9	766.9
55°	693.4	695.4	704.1	712.1	716.8
57.5°	636.7	642.7	649.4	656.7	662.0
60°	579.2	583.9	591.9	599.2	604.6
62.5°	517.7	526.4	535.8	539.8	544.5
65°	459.0	465.6	475.7	478.3	483.7
67.5°	400.8	408.2	416.9	418.9	422.2
70°	345.4	351.4	358.1	360.8	362.1
72.5°	293.3	298.0	302.6	304.6	304.6
75°	245.2	249.2	251.9	252.5	251.9
77.5°	201.8	202.4	208.4	204.4	203.8
80°	159.0	159.0	161.0	161.0	159.7
82.5°	117.6	120.3	119.6	118.9	116.9
85°	77.5	80.8	80.2	78.8	77.5
87.5°	38.1	42.1	40.1	42.1	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	16.5	18.2	16.9	18.5	18.8	16.7	18.4	17.0	18.7	19.0
	3H	18.2	19.7	18.6	20.1	20.4	18.4	20.0	18.8	20.3	20.6
	4H	18.8	20.3	19.2	20.6	21.0	19.0	20.5	19.4	20.9	21.2
	6H	19.4	20.7	19.8	21.1	21.5	19.6	20.9	20.0	21.3	21.7
	8H	19.6	20.9	20.0	21.3	21.6	19.7	21.0	20.2	21.4	21.8
	12H	19.7	21.0	20.1	21.3	21.8	19.9	21.1	20.3	21.5	21.9
4H	2H	17.1	18.6	17.5	19.0	19.3	17.3	18.7	17.7	19.1	19.5
	3H	19.1	20.3	19.5	20.7	21.1	19.2	20.5	19.6	20.9	21.3
	4H	19.8	21.0	20.3	21.4	21.8	20.0	21.1	20.4	21.5	22.0
	6H	20.5	21.5	21.0	21.9	22.4	20.7	21.6	21.1	22.1	22.5
	8H	20.8	21.7	21.2	22.1	22.6	20.9	21.8	21.4	22.3	22.7
	12H	21.0	21.8	21.5	22.3	22.7	21.1	21.9	21.6	22.4	22.9
8H	4H	20.2	21.1	20.6	21.5	22.0	20.3	21.2	20.8	21.7	22.1
	6H	21.0	21.8	21.5	22.2	22.7	21.1	21.9	21.6	22.4	22.8
	8H	21.3	22.0	21.8	22.5	23.0	21.4	22.1	21.9	22.6	23.1
	12H	21.6	22.3	22.1	22.7	23.3	21.7	22.3	22.2	22.8	23.4
12H	4H	20.2	21.1	20.7	21.5	22.0	20.4	21.2	20.8	21.7	22.1
	6H	21.1	21.8	21.6	22.2	22.8	21.2	21.9	21.7	22.3	22.9
	8H	21.5	22.1	22.0	22.6	23.1	21.6	22.2	22.1	22.7	23.2















(END OF REPORT)