

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: P1527030

Luminaire Tested: 22CGTX-35-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527030
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

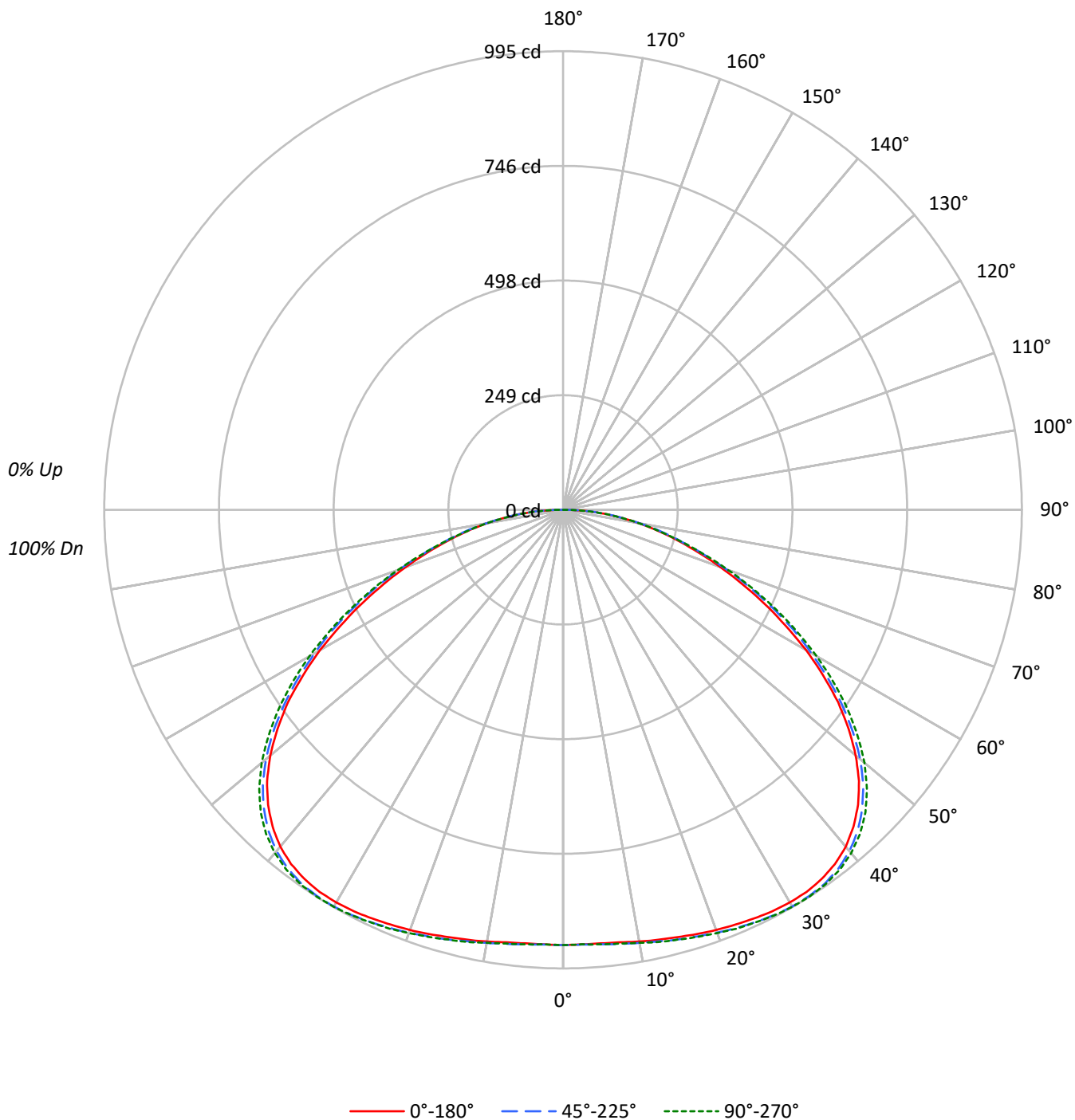
Lumens per Lamp: N/A
Luminaire Lumens: 3665.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	2541	2541	2541
5°	2551	2556	2556
10°	2599	2607	2607
15°	2673	2689	2689
20°	2778	2796	2798
25°	2905	2931	2933
30°	3056	3089	3091
35°	3212	3252	3258
40°	3351	3395	3415
45°	3444	3492	3529
50°	3468	3521	3571
55°	3416	3468	3531
60°	3273	3345	3416
65°	3068	3180	3234
70°	2854	2958	2991
75°	2676	2750	2750
80°	2586	2620	2599
85°	2513	2600	2513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	2.5
10°-20°	273.6	7.5
20°-30°	456.0	12.4
30°-40°	617.8	16.9
40°-50°	704.6	19.2
50°-60°	658.6	18.0
60°-70°	491.9	13.4
70°-80°	280.8	7.7
80°-90°	91.2	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°	820.2	22.4
0°-40°	1437.9	39.2
0°-60°	2801.2	76.4
0°-90°	3665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	944	946	946	947	946	90
15°	960	962	965	966	965	272
25°	978	982	987	988	988	453
35°	978	983	990	993	992	612
45°	905	909	918	924	927	695
55°	728	730	739	748	753	648
65°	482	489	499	502	508	478
75°	257	262	264	265	264	275
85°	81	85	84	83	81	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	944.2	944.2	944.2	944.2	944.2
2.5°	943.5	944.2	944.2	945.6	943.5
5°	944.2	945.6	946.3	947.0	946.3
7.5°	946.3	948.4	949.8	950.5	949.1
10°	951.2	952.6	954.0	955.4	954.0
12.5°	955.4	957.5	958.9	961.0	960.3
15°	959.6	962.4	965.2	965.9	965.2
17.5°	965.2	967.3	970.1	971.5	971.5
20°	970.1	972.9	976.4	977.8	977.1
22.5°	974.3	977.8	982.1	984.2	983.5
25°	978.5	982.1	987.0	988.4	987.7
27.5°	982.1	986.3	991.2	993.3	991.9
30°	983.5	987.7	994.0	995.4	994.7
32.5°	982.8	987.0	993.3	995.4	994.7
35°	977.8	982.8	989.8	992.6	991.9
37.5°	968.7	973.6	980.7	984.2	984.9
40°	954.0	958.9	966.6	971.5	972.2
42.5°	932.3	937.2	945.6	951.2	953.3
45°	904.9	909.1	917.5	923.8	927.3
47.5°	870.5	874.0	883.1	890.2	893.7
50°	828.4	831.9	841.1	848.1	853.0
52.5°	780.7	783.5	792.7	801.1	805.3
55°	728.1	730.2	739.3	747.8	752.7
57.5°	668.5	674.8	681.8	689.5	695.2
60°	608.2	613.1	621.5	629.2	634.8
62.5°	543.6	552.8	562.6	566.8	571.7
65°	481.9	488.9	499.4	502.3	507.9
67.5°	420.9	428.6	437.7	439.8	443.3
70°	362.7	369.0	376.0	378.8	380.2
72.5°	307.9	312.9	317.8	319.9	319.9
75°	257.4	261.6	264.5	265.2	264.5
77.5°	211.8	212.5	218.9	214.6	213.9
80°	166.9	166.9	169.1	169.1	167.7
82.5°	123.5	126.3	125.6	124.9	122.8
85°	81.4	84.9	84.2	82.8	81.4
87.5°	40.0	44.2	42.1	44.2	40.7
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	16.7	18.4	17.0	18.7	19.0	16.8	18.6	17.2	18.9	19.2
	3H	18.4	19.9	18.7	20.2	20.6	18.6	20.1	18.9	20.4	20.8
	4H	19.0	20.5	19.4	20.8	21.2	19.2	20.7	19.6	21.0	21.4
	6H	19.5	20.9	19.9	21.3	21.6	19.7	21.1	20.1	21.4	21.8
	8H	19.7	21.0	20.2	21.4	21.8	19.9	21.2	20.3	21.6	22.0
	12H	19.9	21.1	20.3	21.5	21.9	20.0	21.3	20.5	21.7	22.1
4H	2H	17.3	18.8	17.7	19.1	19.5	17.5	18.9	17.9	19.3	19.6
	3H	19.2	20.5	19.6	20.9	21.3	19.4	20.6	19.8	21.0	21.4
	4H	20.0	21.1	20.4	21.5	22.0	20.2	21.3	20.6	21.7	22.1
	6H	20.7	21.7	21.1	22.1	22.5	20.8	21.8	21.3	22.2	22.7
	8H	20.9	21.9	21.4	22.3	22.8	21.1	22.0	21.5	22.4	22.9
	12H	21.1	22.0	21.6	22.4	22.9	21.3	22.1	21.7	22.6	23.0
8H	4H	20.3	21.3	20.8	21.7	22.2	20.5	21.4	21.0	21.9	22.3
	6H	21.2	21.9	21.6	22.4	22.9	21.3	22.0	21.8	22.5	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	20.5	21.4	21.0	21.8	22.3
	6H	21.2	21.9	21.8	22.4	22.9	21.4	22.1	21.9	22.5	23.1
	8H	21.6	22.3	22.2	22.7	23.3	21.8	22.4	22.3	22.9	23.4













(END OF REPORT)