

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: P1527083

Luminaire Tested: 24CGTX-30-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-30-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

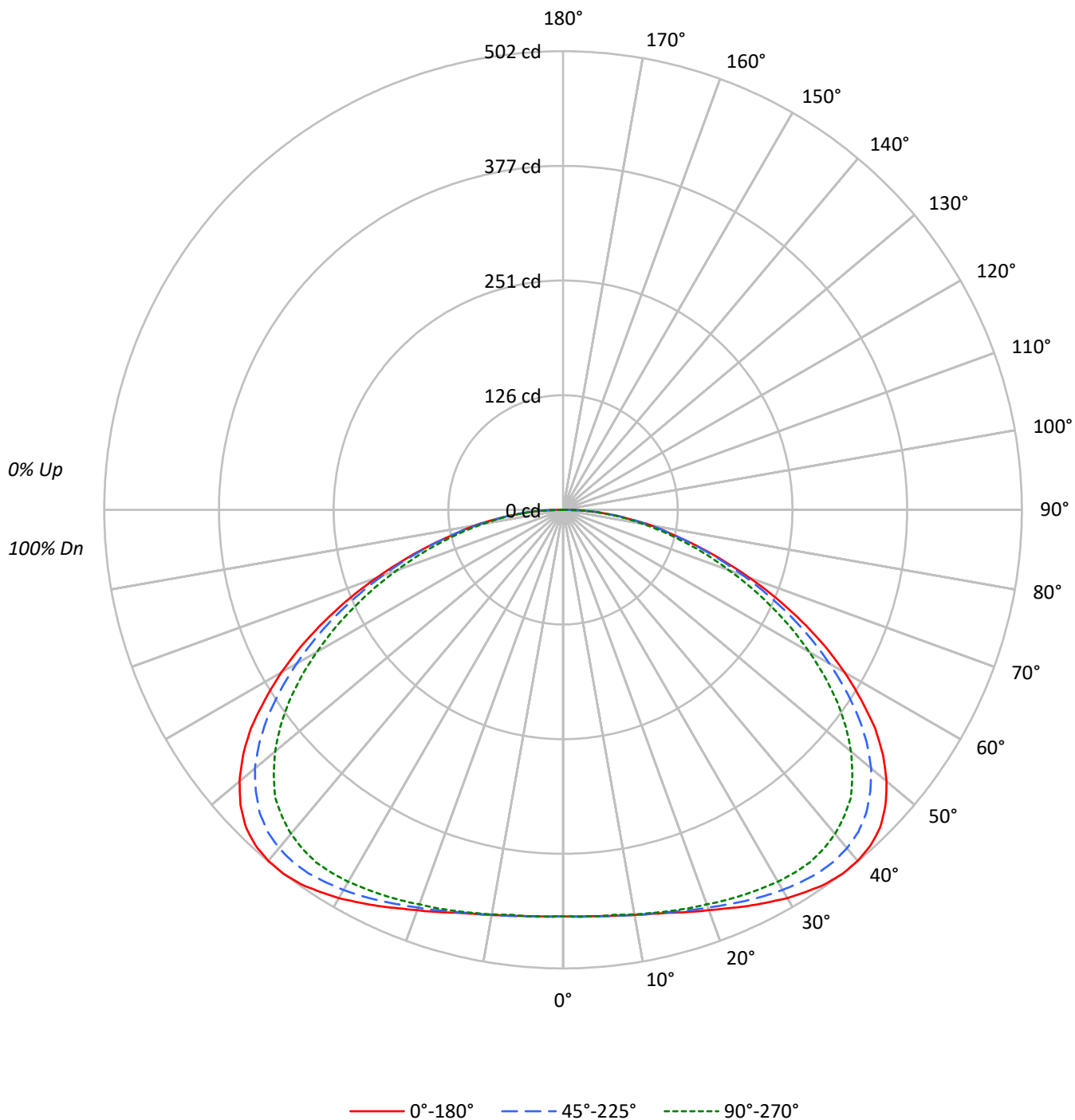
Lumens per Lamp: N/A
Luminaire Lumens: 1882.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	81	74	94	86	79	74	83	77	72		79	74	70		76	72	69	66
3	88	76	68	61	85	75	67	60	72	65	59		69	63	58		66	61	57	54
4	80	67	57	50	77	66	57	50	63	55	49		61	54	48		58	53	48	45
5	73	59	50	43	71	58	49	42	56	48	42		54	47	41		52	46	41	39
6	67	53	43	36	65	52	43	36	50	42	36		48	41	36		47	40	35	33
7	62	47	38	32	60	47	38	32	45	37	31		44	36	31		42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	27		38	32	27	25
9	53	39	31	25	52	39	30	25	37	30	25		36	29	24		35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		33	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	599	599	599
5°	603	603	603
10°	615	615	614
15°	636	635	633
20°	668	664	658
25°	710	701	691
30°	762	747	730
35°	822	798	774
40°	881	849	813
45°	934	893	848
50°	967	921	861
55°	978	925	859
60°	957	906	836
65°	916	873	804
70°	853	825	760
75°	781	776	720
80°	758	742	689
85°	704	735	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	2.3
10°-20°	129.5	6.9
20°-30°	218.7	11.6
30°-40°	304.2	16.2
40°-50°	360.1	19.1
50°-60°	349.3	18.6
60°-70°	269.2	14.3
70°-80°	157.0	8.3
80°-90°	51.3	2.7
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°	390.9	20.8
0°-40°	695.1	36.9
0°-60°	1404.5	74.6
0°-90°	1882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	445	445	445	445	445	
5°	446	447	447	447	446	43
15°	456	456	456	455	455	130
25°	478	477	472	467	465	222
35°	500	496	486	476	471	313
45°	491	484	469	453	445	377
55°	417	410	394	376	366	370
65°	288	285	274	260	252	284
75°	150	154	149	142	138	161
85°	46	48	48	47	45	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	445.0	445.0	445.0	445.0	445.0
2.5°	445.4	445.7	445.7	445.7	445.7
5°	446.4	446.7	446.7	446.7	446.4
7.5°	448.0	448.0	448.3	448.0	447.0
10°	450.3	450.3	450.3	450.0	449.6
12.5°	452.9	453.3	452.6	452.3	451.9
15°	456.5	456.5	455.6	454.6	454.6
17.5°	461.5	460.8	459.5	457.8	457.2
20°	466.4	465.7	463.4	460.8	459.5
22.5°	472.0	470.6	467.7	464.1	462.8
25°	478.5	476.6	472.3	467.4	465.4
27.5°	484.4	481.8	476.6	471.0	467.7
30°	490.7	487.4	480.5	473.3	470.0
32.5°	495.6	492.3	483.4	475.2	471.0
35°	500.2	495.9	485.7	475.6	471.0
37.5°	502.2	497.6	485.7	473.9	468.0
40°	501.5	496.6	483.4	470.0	463.1
42.5°	498.2	492.3	478.2	463.1	455.2
45°	491.0	484.4	469.3	453.3	445.4
47.5°	478.5	472.0	455.9	438.8	429.3
50°	462.1	455.2	440.1	421.1	411.2
52.5°	441.4	434.5	418.8	399.4	389.9
55°	416.8	409.6	394.2	375.8	366.0
57.5°	386.6	381.4	366.3	348.9	339.4
60°	355.8	350.5	336.7	320.3	310.8
62.5°	322.6	318.4	305.9	290.5	282.3
65°	287.8	284.6	274.1	259.9	252.4
67.5°	252.4	251.1	241.6	229.4	222.9
70°	216.9	217.6	209.7	198.9	193.3
72.5°	182.5	184.8	178.5	169.7	165.7
75°	150.3	153.9	149.3	142.4	138.5
77.5°	120.5	125.4	121.4	116.2	112.9
80°	97.8	97.5	95.8	91.9	88.9
82.5°	70.2	71.5	70.6	68.3	66.6
85°	45.6	47.9	47.6	46.6	44.6
87.5°	22.6	25.3	25.6	24.9	24.0
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	12.6	14.3	13.0	14.7	15.0	11.9	13.7	12.3	14.0	14.3
	3H	14.4	16.0	14.8	16.3	16.7	13.7	15.3	14.1	15.6	16.0
	4H	15.1	16.6	15.5	16.9	17.3	14.4	15.9	14.8	16.3	16.6
	6H	15.6	17.0	16.0	17.4	17.8	15.0	16.4	15.4	16.7	17.1
	8H	15.8	17.1	16.2	17.5	17.9	15.2	16.5	15.6	16.9	17.3
	12H	16.0	17.2	16.4	17.6	18.0	15.3	16.6	15.8	17.0	17.4
4H	2H	13.2	14.7	13.6	15.0	15.4	12.7	14.2	13.1	14.5	14.9
	3H	15.3	16.5	15.7	16.9	17.3	14.7	15.9	15.1	16.3	16.7
	4H	16.1	17.2	16.5	17.6	18.1	15.5	16.6	15.9	17.1	17.5
	6H	16.8	17.8	17.2	18.2	18.6	16.2	17.2	16.6	17.6	18.1
	8H	17.0	17.9	17.5	18.4	18.8	16.5	17.4	16.9	17.8	18.3
	12H	17.2	18.1	17.7	18.5	19.0	16.7	17.5	17.2	18.0	18.5
8H	4H	16.4	17.3	16.8	17.8	18.2	15.9	16.8	16.3	17.3	17.7
	6H	17.2	18.0	17.7	18.5	19.0	16.7	17.5	17.2	18.0	18.5
	8H	17.6	18.3	18.1	18.8	19.2	17.1	17.8	17.6	18.3	18.8
	12H	17.9	18.5	18.4	19.0	19.5	17.4	18.0	17.9	18.5	19.1
12H	4H	16.4	17.3	16.9	17.8	18.2	16.0	16.8	16.4	17.3	17.7
	6H	17.3	18.0	17.8	18.5	19.0	16.8	17.5	17.3	18.0	18.5
	8H	17.7	18.3	18.2	18.8	19.4	17.2	17.9	17.7	18.4	18.9













(END OF REPORT)