

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: P1527085

Luminaire Tested: 24CGTX-30-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527085
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

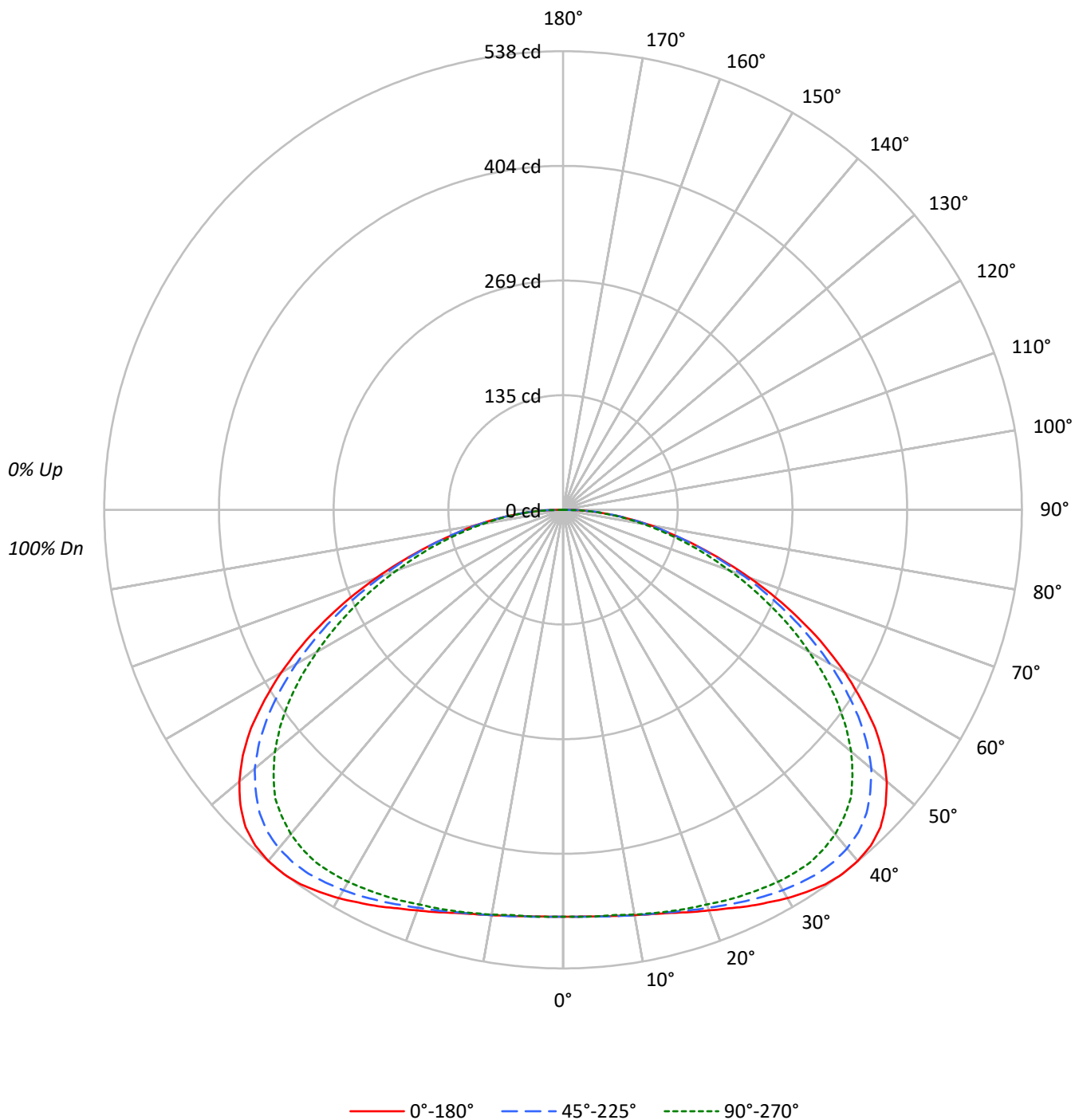
Lumens per Lamp: N/A
Luminaire Lumens: 2018.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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	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°	642	642	642
5°	646	647	646
10°	660	660	659
15°	682	680	679
20°	716	711	705
25°	762	752	741
30°	817	800	783
35°	881	855	829
40°	944	911	872
45°	1002	958	909
50°	1037	988	923
55°	1048	992	920
60°	1027	972	897
65°	982	936	862
70°	915	885	816
75°	838	832	772
80°	813	797	739
85°	755	787	739

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	2.3
10°-20°	138.8	6.9
20°-30°	234.5	11.6
30°-40°	326.2	16.2
40°-50°	386.1	19.1
50°-60°	374.6	18.6
60°-70°	288.6	14.3
70°-80°	168.4	8.3
80°-90°	55.0	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°	419.1	20.8
0°-40°	745.3	36.9
0°-60°	1506.0	74.6
0°-90°	2018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	479	479	479	479	479	46
15°	490	490	488	487	487	139
25°	513	511	506	501	499	238
35°	536	532	521	510	505	336
45°	526	519	503	486	478	404
55°	447	439	423	403	392	397
65°	309	305	294	279	271	305
75°	161	165	160	153	148	173
85°	49	51	51	50	48	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	477.2	477.2	477.2	477.2	477.2
2.5°	477.6	477.9	477.9	477.9	477.9
5°	478.6	479.0	479.0	479.0	478.6
7.5°	480.4	480.4	480.7	480.4	479.3
10°	482.8	482.8	482.8	482.5	482.1
12.5°	485.7	486.0	485.3	485.0	484.6
15°	489.5	489.5	488.5	487.4	487.4
17.5°	494.8	494.1	492.7	490.9	490.2
20°	500.1	499.4	496.9	494.1	492.7
22.5°	506.1	504.7	501.5	497.6	496.2
25°	513.1	511.0	506.4	501.1	499.0
27.5°	519.4	516.6	511.0	505.0	501.5
30°	526.1	522.6	515.2	507.5	504.0
32.5°	531.4	527.9	518.4	509.6	505.0
35°	536.3	531.8	520.8	509.9	505.0
37.5°	538.4	533.5	520.8	508.2	501.8
40°	537.7	532.5	518.4	504.0	496.6
42.5°	534.2	527.9	512.8	496.6	488.1
45°	526.5	519.4	503.3	486.0	477.6
47.5°	513.1	506.1	488.8	470.5	460.3
50°	495.5	488.1	471.9	451.5	441.0
52.5°	473.3	465.9	449.1	428.3	418.1
55°	446.9	439.2	422.7	403.0	392.4
57.5°	414.6	408.9	392.7	374.1	363.9
60°	381.5	375.9	361.1	343.5	333.3
62.5°	345.9	341.4	328.0	311.5	302.7
65°	308.6	305.1	293.9	278.7	270.6
67.5°	270.6	269.2	259.0	246.0	239.0
70°	232.6	233.3	224.9	213.3	207.3
72.5°	195.7	198.1	191.4	181.9	177.7
75°	161.2	165.1	160.1	152.7	148.5
77.5°	129.2	134.4	130.2	124.6	121.1
80°	104.9	104.5	102.8	98.5	95.4
82.5°	75.3	76.7	75.7	73.2	71.4
85°	48.9	51.4	51.0	50.0	47.9
87.5°	24.3	27.1	27.5	26.7	25.7
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	12.9	14.6	13.2	14.9	15.2	12.2	13.9	12.5	14.2	14.5
	3H	14.7	16.2	15.0	16.6	16.9	14.0	15.6	14.3	15.9	16.2
	4H	15.3	16.8	15.7	17.2	17.5	14.7	16.2	15.1	16.5	16.9
	6H	15.9	17.3	16.3	17.6	18.0	15.2	16.6	15.6	17.0	17.4
	8H	16.1	17.4	16.5	17.8	18.2	15.4	16.7	15.8	17.1	17.5
	12H	16.2	17.5	16.6	17.9	18.3	15.6	16.9	16.0	17.2	17.7
4H	2H	13.4	14.9	13.8	15.3	15.7	12.9	14.4	13.3	14.8	15.1
	3H	15.5	16.8	15.9	17.2	17.6	14.9	16.2	15.3	16.6	17.0
	4H	16.3	17.5	16.7	17.9	18.3	15.7	16.9	16.2	17.3	17.7
	6H	17.0	18.0	17.4	18.4	18.9	16.4	17.4	16.9	17.9	18.3
	8H	17.2	18.2	17.7	18.6	19.1	16.7	17.6	17.2	18.1	18.5
	12H	17.4	18.3	17.9	18.8	19.2	16.9	17.8	17.4	18.2	18.7
8H	4H	16.6	17.6	17.1	18.0	18.5	16.1	17.1	16.6	17.5	18.0
	6H	17.5	18.2	17.9	18.7	19.2	17.0	17.8	17.5	18.2	18.7
	8H	17.8	18.5	18.3	19.0	19.5	17.3	18.0	17.8	18.5	19.0
	12H	18.1	18.7	18.6	19.2	19.8	17.6	18.3	18.1	18.8	19.3
12H	4H	16.7	17.5	17.2	18.0	18.5	16.2	17.0	16.7	17.5	18.0
	6H	17.5	18.3	18.1	18.7	19.2	17.1	17.8	17.6	18.2	18.8
	8H	17.9	18.6	18.4	19.1	19.6	17.5	18.1	18.0	18.6	19.2













(END OF REPORT)