

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: P1527084

Luminaire Tested: 24CGTX-30-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527084
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

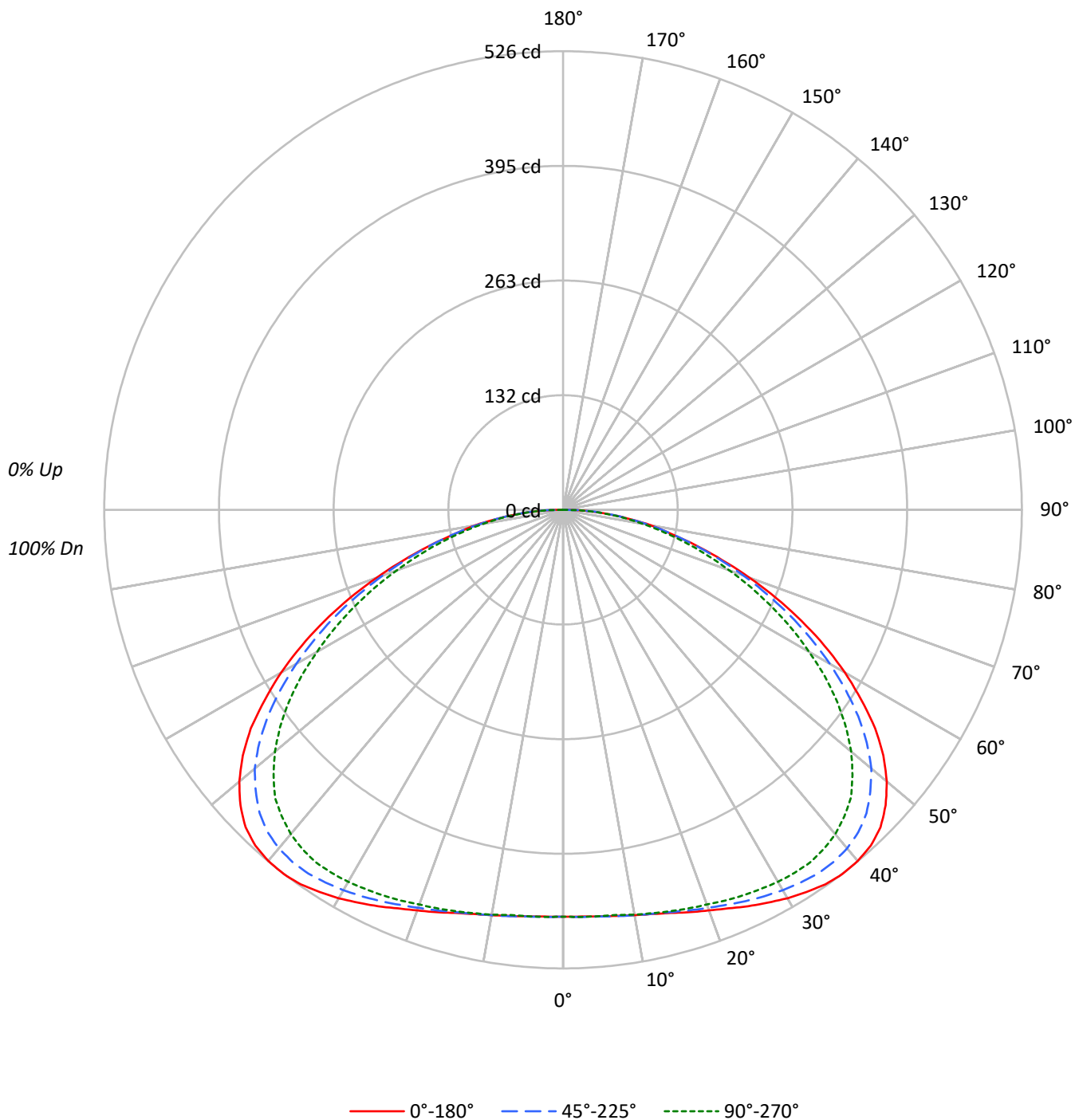
Lumens per Lamp: N/A
Luminaire Lumens: 1973.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	628	628	628
5°	632	632	632
10°	645	645	644
15°	667	665	664
20°	700	696	690
25°	745	735	724
30°	799	783	765
35°	861	836	811
40°	923	890	853
45°	979	936	888
50°	1014	966	902
55°	1025	969	900
60°	1004	950	877
65°	961	915	842
70°	895	865	797
75°	819	814	755
80°	794	779	722
85°	738	770	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1025 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	2.3
10°-20°	135.7	6.9
20°-30°	229.2	11.6
30°-40°	318.9	16.2
40°-50°	377.5	19.1
50°-60°	366.2	18.6
60°-70°	282.2	14.3
70°-80°	164.6	8.3
80°-90°	53.8	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°	409.8	20.8
0°-40°	728.7	36.9
0°-60°	1472.4	74.6
0°-90°	1973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	468	468	468	468	468	45
15°	479	479	478	476	476	136
25°	502	500	495	490	488	232
35°	524	520	509	499	494	328
45°	515	508	492	475	467	395
55°	437	429	413	394	384	388
65°	302	298	287	272	265	298
75°	158	161	157	149	145	169
85°	48	50	50	49	47	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	466.6	466.6	466.6	466.6	466.6
2.5°	466.9	467.3	467.3	467.3	467.3
5°	467.9	468.3	468.3	468.3	467.9
7.5°	469.7	469.7	470.0	469.7	468.6
10°	472.1	472.1	472.1	471.7	471.4
12.5°	474.8	475.2	474.5	474.1	473.8
15°	478.6	478.6	477.6	476.5	476.5
17.5°	483.8	483.1	481.7	480.0	479.3
20°	488.9	488.2	485.8	483.1	481.7
22.5°	494.8	493.4	490.3	486.5	485.1
25°	501.7	499.6	495.1	490.0	487.9
27.5°	507.9	505.1	499.6	493.7	490.3
30°	514.4	511.0	503.7	496.2	492.7
32.5°	519.6	516.1	506.8	498.2	493.7
35°	524.4	519.9	509.2	498.6	493.7
37.5°	526.4	521.6	509.2	496.8	490.7
40°	525.7	520.6	506.8	492.7	485.5
42.5°	522.3	516.1	501.3	485.5	477.2
45°	514.7	507.9	492.0	475.2	466.9
47.5°	501.7	494.8	477.9	460.0	450.1
50°	484.5	477.2	461.4	441.5	431.1
52.5°	462.8	455.6	439.0	418.7	408.8
55°	437.0	429.4	413.2	394.0	383.6
57.5°	405.3	399.8	384.0	365.8	355.8
60°	373.0	367.5	353.0	335.8	325.8
62.5°	338.2	333.8	320.7	304.5	295.9
65°	301.8	298.3	287.3	272.5	264.6
67.5°	264.6	263.2	253.2	240.5	233.6
70°	227.4	228.1	219.9	208.5	202.7
72.5°	191.3	193.7	187.2	177.9	173.8
75°	157.6	161.4	156.6	149.3	145.2
77.5°	126.3	131.4	127.3	121.8	118.4
80°	102.5	102.2	100.5	96.3	93.2
82.5°	73.6	75.0	74.0	71.6	69.8
85°	47.8	50.2	49.9	48.9	46.8
87.5°	23.7	26.5	26.8	26.1	25.1
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	12.8	14.5	13.1	14.8	15.1	12.1	13.8	12.5	14.2	14.5
	3H	14.6	16.2	15.0	16.5	16.9	13.9	15.5	14.3	15.8	16.2
	4H	15.3	16.8	15.7	17.1	17.5	14.6	16.1	15.0	16.4	16.8
	6H	15.8	17.2	16.2	17.5	17.9	15.1	16.5	15.5	16.9	17.3
	8H	16.0	17.3	16.4	17.7	18.1	15.3	16.7	15.8	17.1	17.5
	12H	16.1	17.4	16.6	17.8	18.2	15.5	16.8	15.9	17.2	17.6
4H	2H	13.4	14.9	13.8	15.2	15.6	12.8	14.3	13.2	14.7	15.1
	3H	15.4	16.7	15.8	17.1	17.5	14.9	16.1	15.3	16.5	16.9
	4H	16.2	17.4	16.7	17.8	18.2	15.7	16.8	16.1	17.2	17.7
	6H	16.9	17.9	17.4	18.4	18.8	16.4	17.4	16.8	17.8	18.3
	8H	17.2	18.1	17.6	18.5	19.0	16.6	17.6	17.1	18.0	18.5
	12H	17.4	18.2	17.8	18.7	19.2	16.8	17.7	17.3	18.2	18.6
8H	4H	16.6	17.5	17.0	17.9	18.4	16.1	17.0	16.5	17.4	17.9
	6H	17.4	18.2	17.9	18.6	19.1	16.9	17.7	17.4	18.2	18.6
	8H	17.7	18.4	18.2	18.9	19.4	17.2	18.0	17.7	18.5	18.9
	12H	18.0	18.6	18.5	19.1	19.7	17.6	18.2	18.1	18.7	19.2
12H	4H	16.6	17.4	17.1	17.9	18.4	16.1	17.0	16.6	17.4	17.9
	6H	17.5	18.2	18.0	18.6	19.2	17.0	17.7	17.5	18.2	18.7
	8H	17.9	18.5	18.4	19.0	19.5	17.4	18.0	17.9	18.5	19.1















(END OF REPORT)