

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: P1526873

Luminaire Tested: 24CGTX-30HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-30HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

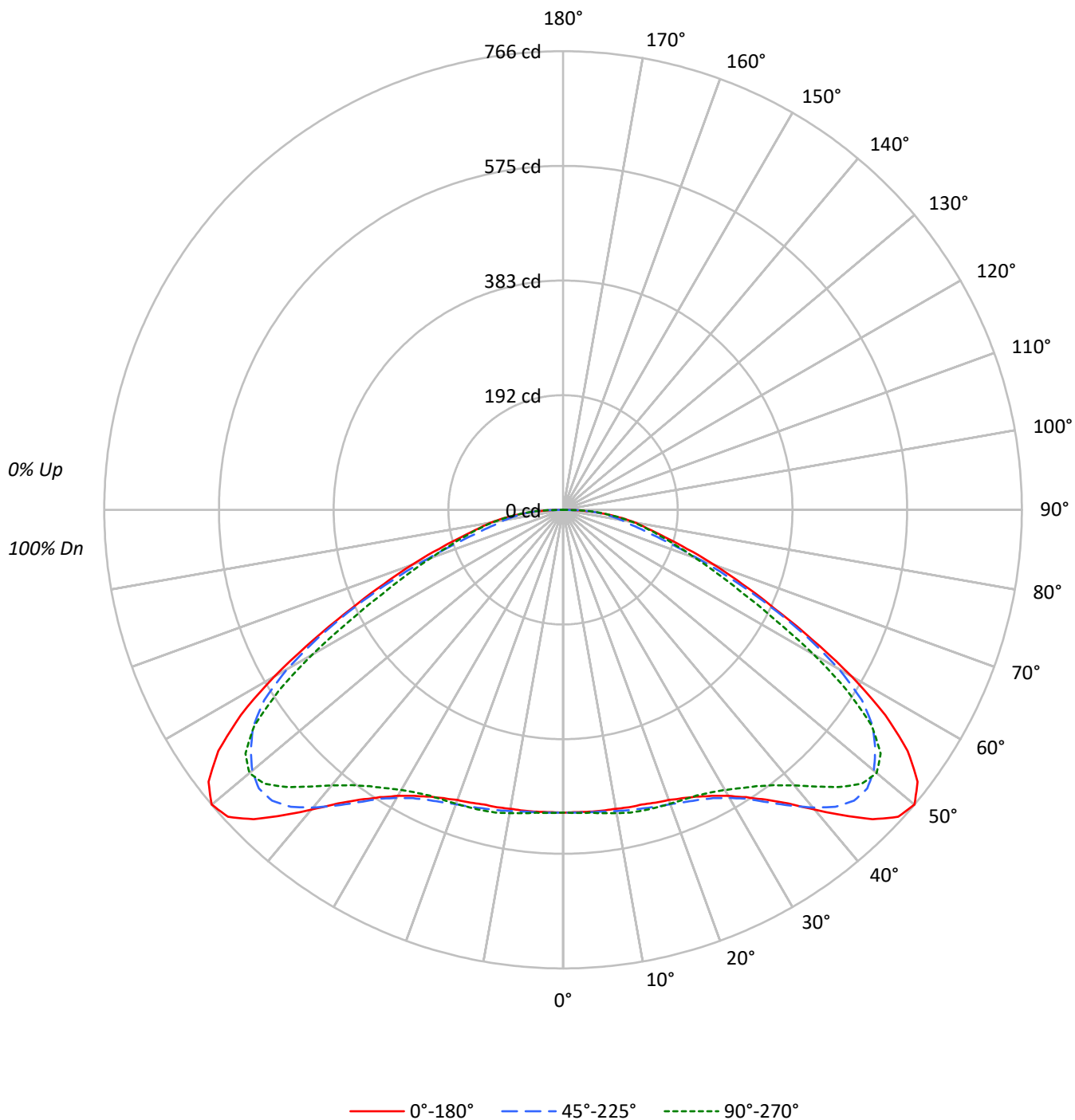
Lumens per Lamp: N/A
Luminaire Lumens: 2524.4 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.9
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			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	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	680	680	680
5°	684	685	686
10°	693	698	703
15°	710	719	724
20°	738	749	748
25°	784	794	782
30°	857	863	839
35°	971	979	925
40°	1148	1140	1055
45°	1391	1307	1246
50°	1603	1418	1431
55°	1648	1482	1476
60°	1497	1431	1300
65°	1238	1216	1060
70°	1057	952	922
75°	915	759	872
80°	948	769	917
85°	959	925	1019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.9
10°-20°	146.4	5.8
20°-30°	247.2	9.8
30°-40°	372.2	14.7
40°-50°	529.2	21.0
50°-60°	568.0	22.5
60°-70°	370.1	14.7
70°-80°	178.0	7.0
80°-90°	64.8	2.6
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°	442.1	17.5
0°-40°	814.3	32.3
0°-60°	1911.5	75.7
0°-90°	2524.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2524.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	506	506	506	506	506	
5°	506	507	507	509	508	48
15°	510	512	516	519	520	145
25°	528	533	534	530	527	246
35°	591	602	596	576	563	375
45°	731	713	687	669	655	561
55°	702	684	632	613	629	614
65°	389	386	382	341	333	394
75°	176	166	146	166	168	193
85°	62	58	60	62	66	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	505.7	505.7	505.7	505.7	505.7
2.5°	505.3	505.7	506.1	506.6	506.6
5°	506.1	506.6	507.0	508.8	507.9
7.5°	506.6	507.0	508.3	510.9	510.9
10°	507.0	508.3	510.9	513.6	514.4
12.5°	508.8	510.1	513.6	517.1	517.9
15°	509.6	512.2	516.2	519.2	519.7
17.5°	512.7	515.3	519.7	521.0	521.0
20°	515.7	519.2	523.2	523.2	522.3
22.5°	521.4	525.4	528.4	525.8	524.1
25°	528.4	533.2	534.5	529.7	526.7
27.5°	538.5	544.6	542.8	536.3	532.4
30°	551.6	559.5	555.5	545.9	540.2
32.5°	569.1	578.7	572.1	559.9	551.1
35°	590.9	602.3	596.2	576.1	563.4
37.5°	618.0	629.8	622.4	596.6	579.6
40°	653.4	659.5	649.1	621.1	600.5
42.5°	691.9	688.8	672.7	646.9	626.8
45°	730.8	712.9	687.1	669.2	654.7
47.5°	758.8	725.5	688.8	679.6	677.0
50°	765.8	722.9	677.5	674.0	683.6
52.5°	746.1	708.9	656.9	650.8	668.3
55°	702.4	684.5	631.6	613.2	629.4
57.5°	638.1	636.8	591.4	558.6	563.0
60°	556.4	561.6	531.9	485.6	483.0
62.5°	468.1	471.2	458.1	410.0	400.8
65°	389.0	385.9	382.0	340.9	333.0
67.5°	323.9	314.7	308.6	283.7	279.7
70°	268.8	254.4	242.1	238.2	234.3
72.5°	217.7	207.2	187.5	198.4	198.0
75°	176.1	166.5	146.0	166.1	167.8
77.5°	144.2	137.7	118.0	136.4	142.0
80°	122.4	108.8	99.2	111.0	118.4
82.5°	93.5	83.0	80.9	85.7	92.7
85°	62.1	58.1	59.9	61.6	66.0
87.5°	31.5	33.7	36.3	39.3	41.5
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	15.1	16.8	15.4	17.2	17.5	14.1	15.9	14.5	16.2	16.6
	3H	16.2	17.8	16.5	18.1	18.5	15.3	16.9	15.7	17.2	17.6
	4H	16.6	18.1	17.0	18.4	18.8	15.7	17.3	16.1	17.6	18.0
	6H	16.9	18.3	17.3	18.7	19.1	16.2	17.6	16.6	18.0	18.4
	8H	17.1	18.4	17.5	18.8	19.2	16.4	17.7	16.8	18.1	18.5
	12H	17.2	18.5	17.6	18.9	19.3	16.6	17.9	17.0	18.2	18.7
4H	2H	15.5	17.0	15.9	17.3	17.7	14.7	16.2	15.1	16.6	17.0
	3H	16.7	18.0	17.2	18.4	18.8	16.0	17.3	16.4	17.7	18.1
	4H	17.3	18.4	17.7	18.8	19.3	16.6	17.8	17.0	18.2	18.6
	6H	17.7	18.8	18.2	19.2	19.6	17.2	18.2	17.6	18.6	19.1
	8H	18.0	18.9	18.4	19.4	19.8	17.4	18.4	17.9	18.8	19.3
	12H	18.2	19.0	18.6	19.5	20.0	17.7	18.6	18.2	19.0	19.5
8H	4H	17.4	18.4	17.9	18.8	19.3	16.8	17.8	17.3	18.2	18.7
	6H	18.0	18.8	18.5	19.3	19.8	17.5	18.3	18.0	18.8	19.3
	8H	18.3	19.0	18.8	19.5	20.0	17.9	18.6	18.4	19.1	19.6
	12H	18.6	19.2	19.1	19.7	20.3	18.2	18.9	18.7	19.4	19.9
12H	4H	17.4	18.3	17.9	18.8	19.2	16.9	17.7	17.3	18.2	18.7
	6H	18.1	18.8	18.6	19.3	19.8	17.6	18.3	18.1	18.8	19.3
	8H	18.4	19.1	18.9	19.5	20.1	18.0	18.6	18.5	19.1	19.7













(END OF REPORT)