

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: P1526875

Luminaire Tested: 24CGTX-30HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526875
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

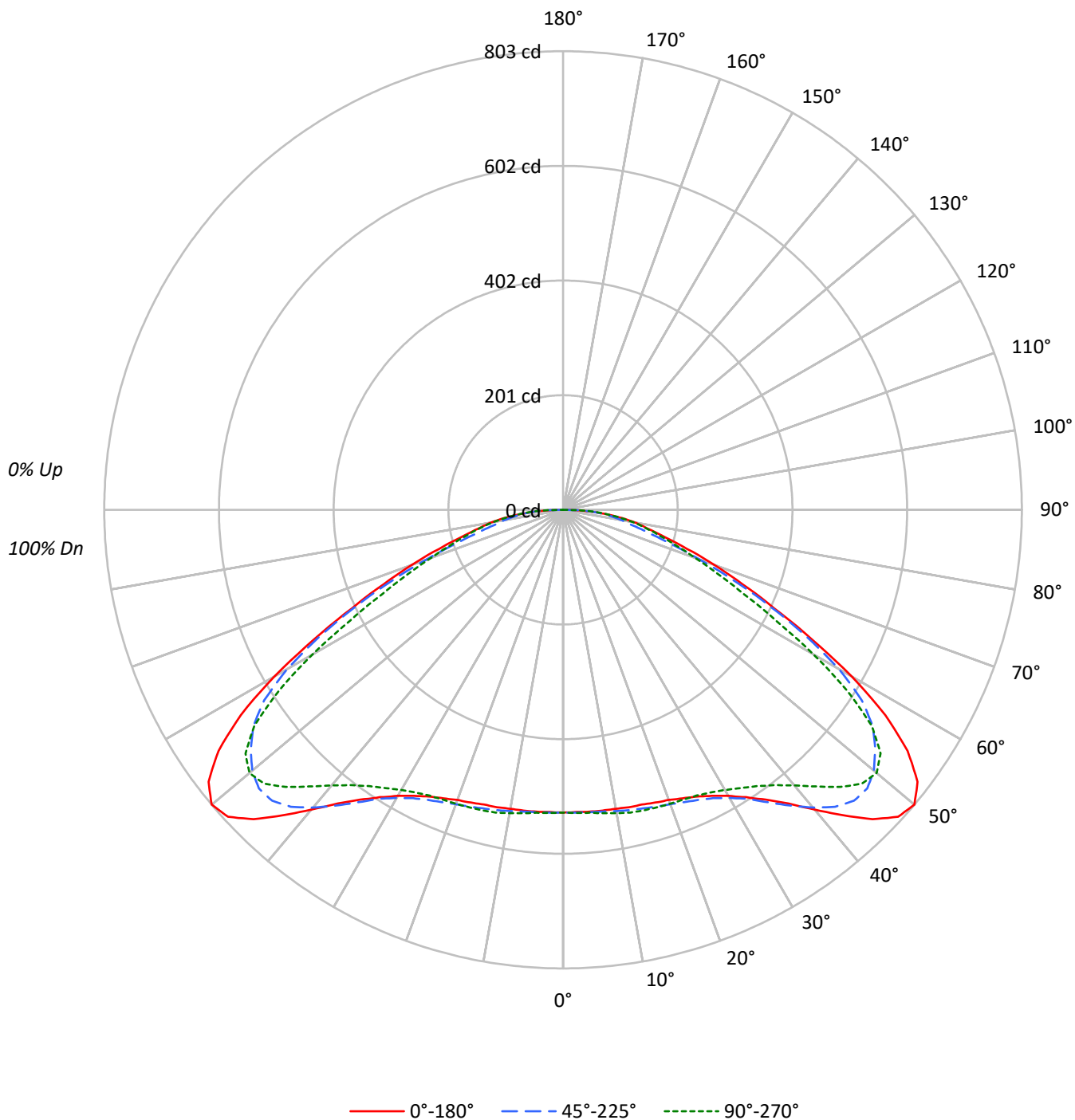
Lumens per Lamp: N/A
Luminaire Lumens: 2646.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	713	713	713
5°	717	718	719
10°	726	732	737
15°	744	754	759
20°	774	785	784
25°	822	832	820
30°	898	905	880
35°	1017	1026	970
40°	1203	1195	1106
45°	1458	1370	1306
50°	1680	1486	1500
55°	1727	1553	1548
60°	1569	1500	1362
65°	1298	1275	1111
70°	1109	998	966
75°	960	795	914
80°	994	806	962
85°	1005	969	1068

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	1.9
10°-20°	153.4	5.8
20°-30°	259.1	9.8
30°-40°	390.1	14.7
40°-50°	554.7	21.0
50°-60°	595.3	22.5
60°-70°	388.0	14.7
70°-80°	186.5	7.1
80°-90°	67.9	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°	463.4	17.5
0°-40°	853.5	32.3
0°-60°	2003.6	75.7
0°-90°	2646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	530	531	531	533	532	51
15°	534	537	541	544	545	152
25°	554	559	560	555	552	258
35°	619	631	625	604	590	393
45°	766	747	720	701	686	588
55°	736	717	662	643	660	644
65°	408	404	400	357	349	413
75°	185	175	153	174	176	203
85°	65	61	63	65	69	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	530.1	530.1	530.1	530.1	530.1
2.5°	529.6	530.1	530.5	531.0	531.0
5°	530.5	531.0	531.4	533.3	532.4
7.5°	531.0	531.4	532.8	535.6	535.6
10°	531.4	532.8	535.6	538.3	539.2
12.5°	533.3	534.6	538.3	542.0	542.9
15°	534.2	536.9	541.1	544.3	544.7
17.5°	537.4	540.1	544.7	546.1	546.1
20°	540.6	544.3	548.4	548.4	547.5
22.5°	546.6	550.7	553.9	551.1	549.3
25°	553.9	558.9	560.3	555.3	552.1
27.5°	564.4	570.8	569.0	562.1	558.0
30°	578.2	586.4	582.3	572.2	566.3
32.5°	596.5	606.6	599.7	586.9	577.7
35°	619.4	631.3	624.9	603.8	590.5
37.5°	647.8	660.2	652.4	625.4	607.5
40°	684.9	691.3	680.3	651.0	629.5
42.5°	725.2	722.0	705.1	678.0	657.0
45°	766.0	747.2	720.2	701.4	686.3
47.5°	795.3	760.5	722.0	712.4	709.7
50°	802.7	757.8	710.1	706.4	716.5
52.5°	782.0	743.1	688.6	682.2	700.5
55°	736.2	717.4	662.0	642.8	659.7
57.5°	668.9	667.5	619.9	585.5	590.1
60°	583.2	588.7	557.6	509.0	506.2
62.5°	490.7	493.9	480.1	429.7	420.1
65°	407.7	404.5	400.4	357.3	349.1
67.5°	339.5	329.9	323.4	297.3	293.2
70°	281.8	266.6	253.8	249.7	245.6
72.5°	228.2	217.2	196.5	208.0	207.5
75°	184.6	174.6	153.0	174.1	175.9
77.5°	151.2	144.3	123.7	142.9	148.9
80°	128.3	114.1	104.0	116.4	124.2
82.5°	98.0	87.0	84.8	89.8	97.1
85°	65.1	60.9	62.8	64.6	69.2
87.5°	33.0	35.3	38.0	41.2	43.5
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	15.2	17.0	15.6	17.3	17.6	14.3	16.1	14.7	16.4	16.7
	3H	16.3	17.9	16.7	18.3	18.6	15.4	17.1	15.8	17.4	17.7
	4H	16.7	18.2	17.1	18.6	19.0	15.9	17.4	16.3	17.8	18.2
	6H	17.1	18.5	17.5	18.9	19.2	16.4	17.8	16.8	18.1	18.5
	8H	17.2	18.6	17.7	19.0	19.4	16.5	17.9	17.0	18.3	18.7
	12H	17.4	18.7	17.8	19.0	19.5	16.7	18.0	17.2	18.4	18.8
4H	2H	15.6	17.2	16.0	17.5	17.9	14.9	16.4	15.3	16.7	17.1
	3H	16.9	18.2	17.3	18.6	19.0	16.2	17.5	16.6	17.9	18.3
	4H	17.4	18.6	17.8	19.0	19.4	16.8	17.9	17.2	18.3	18.8
	6H	17.9	18.9	18.4	19.4	19.8	17.4	18.4	17.8	18.8	19.3
	8H	18.1	19.1	18.6	19.5	20.0	17.6	18.6	18.1	19.0	19.5
	12H	18.3	19.2	18.8	19.7	20.1	17.9	18.7	18.3	19.2	19.7
8H	4H	17.6	18.5	18.0	19.0	19.4	17.0	17.9	17.4	18.4	18.8
	6H	18.2	19.0	18.7	19.5	19.9	17.7	18.5	18.2	19.0	19.4
	8H	18.5	19.2	19.0	19.7	20.2	18.0	18.8	18.5	19.3	19.7
	12H	18.8	19.4	19.3	19.9	20.4	18.4	19.0	18.9	19.5	20.1
12H	4H	17.6	18.5	18.1	18.9	19.4	17.0	17.9	17.5	18.4	18.8
	6H	18.2	19.0	18.8	19.4	20.0	17.8	18.5	18.3	18.9	19.5
	8H	18.6	19.2	19.1	19.7	20.3	18.2	18.8	18.7	19.3	19.8















(END OF REPORT)