

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: P1526874

Luminaire Tested: 24CGTX-30HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526874
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

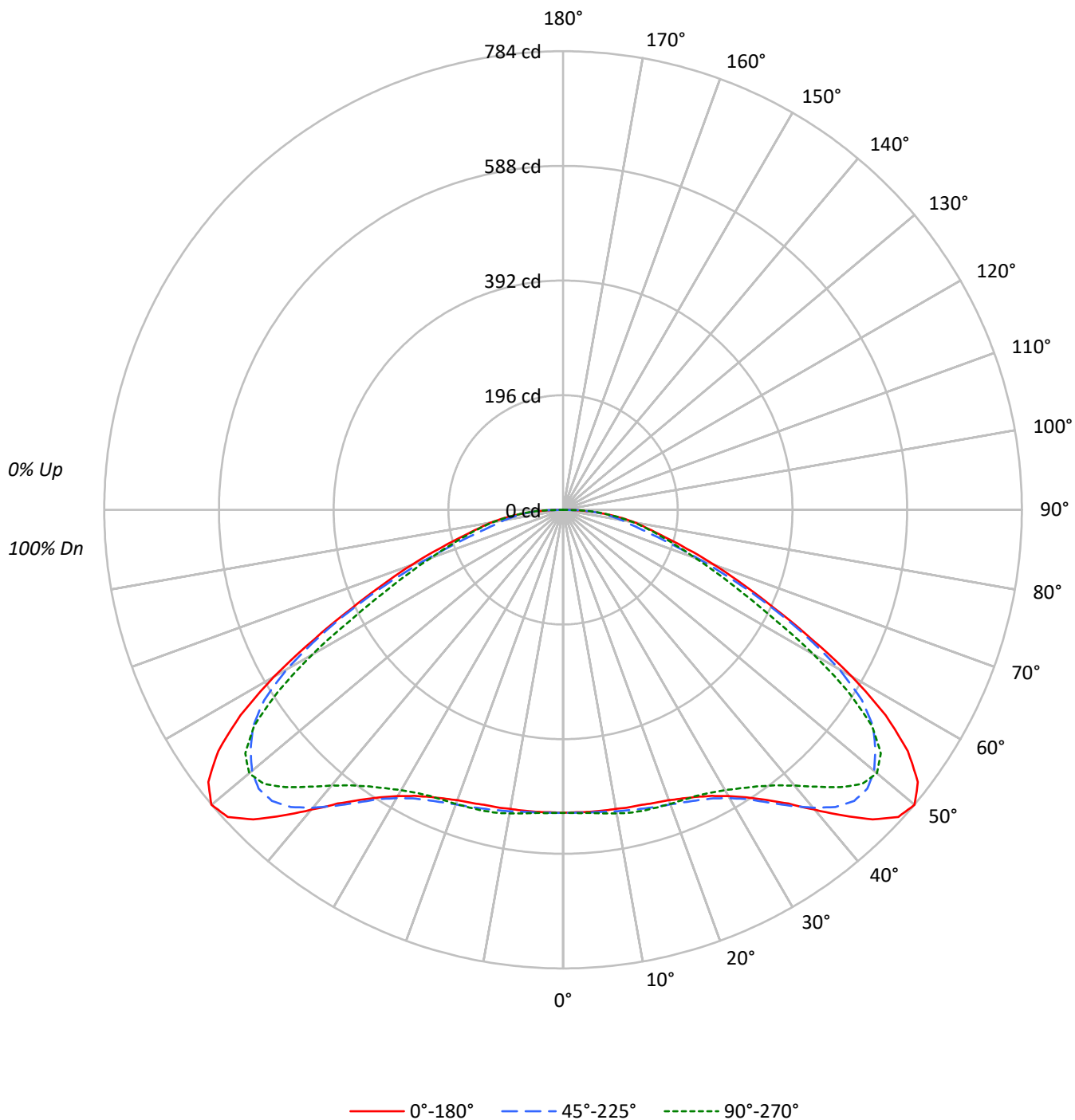
Lumens per Lamp: N/A
Luminaire Lumens: 2585.2 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	697	697	697
5°	700	701	702
10°	709	715	720
15°	727	736	741
20°	756	767	766
25°	803	813	801
30°	878	884	859
35°	994	1003	948
40°	1175	1167	1080
45°	1424	1339	1276
50°	1641	1452	1465
55°	1687	1517	1512
60°	1533	1466	1331
65°	1268	1245	1086
70°	1083	976	944
75°	938	777	894
80°	971	787	940
85°	982	946	1044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	1.9
10°-20°	149.9	5.8
20°-30°	253.2	9.8
30°-40°	381.1	14.7
40°-50°	542.0	21.0
50°-60°	581.6	22.5
60°-70°	379.1	14.7
70°-80°	182.3	7.1
80°-90°	66.3	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°	452.8	17.5
0°-40°	833.9	32.3
0°-60°	1957.5	75.7
0°-90°	2585.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2585.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	518	518	518	518	518	
5°	518	519	519	521	520	49
15°	522	525	529	532	532	148
25°	541	546	547	542	539	252
35°	605	617	610	590	577	384
45°	748	730	704	685	670	575
55°	719	701	647	628	645	629
65°	398	395	391	349	341	403
75°	180	170	150	170	172	198
85°	64	60	61	63	68	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	517.9	517.9	517.9	517.9	517.9
2.5°	517.4	517.9	518.3	518.8	518.8
5°	518.3	518.8	519.2	521.0	520.1
7.5°	518.8	519.2	520.6	523.3	523.3
10°	519.2	520.6	523.3	525.9	526.8
12.5°	521.0	522.4	525.9	529.5	530.4
15°	521.9	524.6	528.6	531.8	532.2
17.5°	525.0	527.7	532.2	533.5	533.5
20°	528.2	531.8	535.8	535.8	534.9
22.5°	534.0	538.0	541.2	538.5	536.7
25°	541.2	546.1	547.4	542.5	539.4
27.5°	551.4	557.7	555.9	549.2	545.2
30°	564.9	572.9	568.9	559.1	553.2
32.5°	582.8	592.6	585.9	573.4	564.4
35°	605.2	616.8	610.5	589.9	577.0
37.5°	632.9	645.0	637.4	611.0	593.5
40°	669.2	675.4	664.7	636.0	615.0
42.5°	708.6	705.4	688.9	662.5	641.9
45°	748.4	730.0	703.6	685.3	670.5
47.5°	777.0	743.0	705.4	696.0	693.3
50°	784.2	740.3	693.8	690.2	700.1
52.5°	764.1	726.0	672.8	666.5	684.4
55°	719.3	700.9	646.8	628.0	644.6
57.5°	653.5	652.2	605.6	572.0	576.5
60°	569.8	575.2	544.7	497.3	494.6
62.5°	479.4	482.5	469.1	419.9	410.5
65°	398.4	395.2	391.2	349.1	341.1
67.5°	331.7	322.3	316.0	290.5	286.5
70°	275.3	260.5	248.0	243.9	239.9
72.5°	222.9	212.2	192.0	203.2	202.8
75°	180.4	170.5	149.5	170.1	171.9
77.5°	147.7	141.0	120.9	139.7	145.5
80°	125.3	111.5	101.6	113.7	121.3
82.5°	95.8	85.0	82.8	87.7	94.9
85°	63.6	59.5	61.3	63.1	67.6
87.5°	32.2	34.5	37.2	40.3	42.5
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	16.9	15.5	17.2	17.6	14.2	16.0	14.6	16.3	16.6
	3H	16.2	17.9	16.6	18.2	18.5	15.4	17.0	15.7	17.3	17.7
	4H	16.6	18.2	17.0	18.5	18.9	15.8	17.4	16.2	17.7	18.1
	6H	17.0	18.4	17.4	18.8	19.2	16.3	17.7	16.7	18.0	18.4
	8H	17.2	18.5	17.6	18.9	19.3	16.5	17.8	16.9	18.2	18.6
	12H	17.3	18.6	17.7	19.0	19.4	16.6	17.9	17.1	18.3	18.8
4H	2H	15.5	17.1	15.9	17.4	17.8	14.8	16.3	15.2	16.7	17.0
	3H	16.8	18.1	17.2	18.5	18.9	16.1	17.4	16.5	17.8	18.2
	4H	17.3	18.5	17.8	18.9	19.3	16.7	17.9	17.1	18.3	18.7
	6H	17.8	18.8	18.3	19.3	19.7	17.3	18.3	17.7	18.7	19.2
	8H	18.0	19.0	18.5	19.4	19.9	17.5	18.5	18.0	18.9	19.4
	12H	18.2	19.1	18.7	19.6	20.0	17.8	18.6	18.3	19.1	19.6
8H	4H	17.5	18.5	18.0	18.9	19.4	16.9	17.9	17.4	18.3	18.8
	6H	18.1	18.9	18.6	19.4	19.9	17.6	18.4	18.1	18.9	19.4
	8H	18.4	19.1	18.9	19.6	20.1	18.0	18.7	18.5	19.2	19.7
	12H	18.7	19.3	19.2	19.8	20.4	18.3	19.0	18.8	19.4	20.0
12H	4H	17.5	18.4	18.0	18.9	19.3	16.9	17.8	17.4	18.3	18.7
	6H	18.2	18.9	18.7	19.3	19.9	17.7	18.4	18.2	18.9	19.4
	8H	18.5	19.1	19.0	19.6	20.2	18.1	18.7	18.6	19.2	19.8













(END OF REPORT)