

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: P1526871

Luminaire Tested: 24CGTX-30HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526871
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

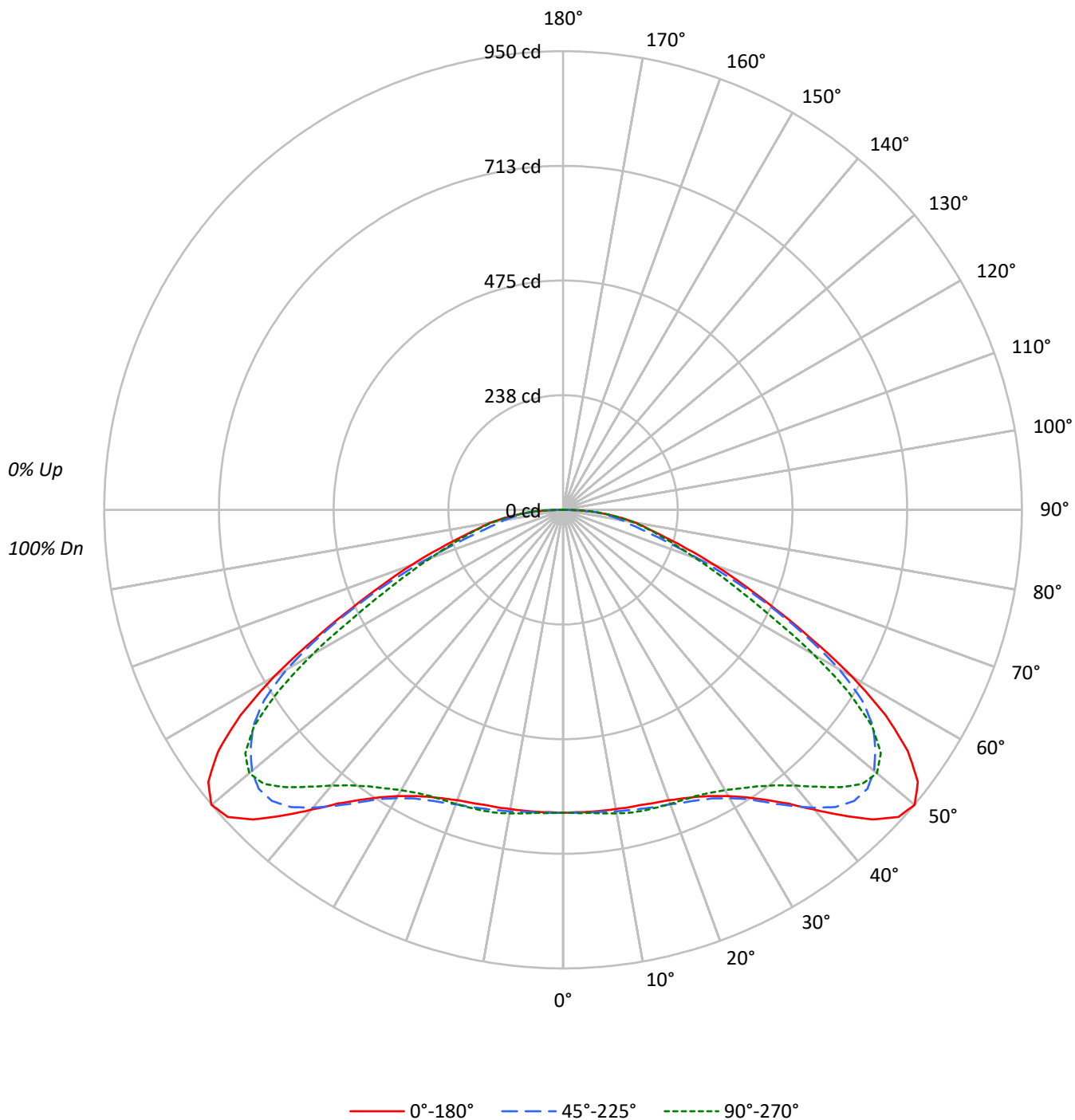
Lumens per Lamp: N/A
Luminaire Lumens: 3132.6 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	844	844	844
5°	848	850	851
10°	860	866	872
15°	881	892	898
20°	916	930	928
25°	974	985	970
30°	1063	1071	1042
35°	1204	1215	1148
40°	1424	1415	1309
45°	1726	1622	1546
50°	1989	1760	1776
55°	2045	1839	1832
60°	1858	1776	1613
65°	1537	1509	1316
70°	1312	1182	1144
75°	1136	942	1083
80°	1177	954	1139
85°	1189	1147	1264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.9
10°-20°	181.6	5.8
20°-30°	306.8	9.8
30°-40°	461.9	14.7
40°-50°	656.7	21.0
50°-60°	704.8	22.5
60°-70°	459.3	14.7
70°-80°	220.9	7.1
80°-90°	80.4	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°	548.7	17.5
0°-40°	1010.5	32.3
0°-60°	2372.1	75.7
0°-90°	3132.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3132.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	628	629	629	631	630	60
15°	632	636	641	644	645	180
25°	656	662	663	657	654	305
35°	733	747	740	715	699	465
45°	907	885	853	830	812	696
55°	872	849	784	761	781	763
65°	483	479	474	423	413	488
75°	219	207	181	206	208	240
85°	77	72	74	76	82	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	627.5	627.5	627.5	627.5	627.5
2.5°	627.0	627.5	628.1	628.6	628.6
5°	628.1	628.6	629.2	631.3	630.3
7.5°	628.6	629.2	630.8	634.1	634.1
10°	629.2	630.8	634.1	637.3	638.4
12.5°	631.3	633.0	637.3	641.6	642.7
15°	632.4	635.7	640.6	644.4	644.9
17.5°	636.2	639.5	644.9	646.5	646.5
20°	640.0	644.4	649.2	649.2	648.2
22.5°	647.1	652.0	655.8	652.5	650.3
25°	655.8	661.7	663.3	657.4	653.6
27.5°	668.2	675.8	673.7	665.5	660.6
30°	684.5	694.3	689.4	677.4	670.4
32.5°	706.2	718.1	710.0	694.8	684.0
35°	733.3	747.4	739.8	714.9	699.1
37.5°	766.9	781.6	772.4	740.4	719.2
40°	810.9	818.5	805.5	770.7	745.2
42.5°	858.6	854.8	834.7	802.7	777.8
45°	906.9	884.6	852.6	830.4	812.5
47.5°	941.6	900.4	854.8	843.4	840.2
50°	950.3	897.1	840.7	836.4	848.3
52.5°	925.9	879.8	815.2	807.6	829.3
55°	871.6	849.4	783.8	761.0	781.0
57.5°	791.9	790.3	733.9	693.2	698.6
60°	690.5	697.0	660.1	602.6	599.3
62.5°	580.9	584.7	568.4	508.8	497.4
65°	482.7	478.9	474.1	423.1	413.3
67.5°	401.9	390.5	382.9	352.0	347.1
70°	333.6	315.7	300.5	295.6	290.7
72.5°	270.1	257.1	232.7	246.2	245.7
75°	218.6	206.7	181.2	206.1	208.3
77.5°	179.0	170.9	146.4	169.2	176.3
80°	151.9	135.1	123.1	137.8	147.0
82.5°	116.1	103.1	100.3	106.3	115.0
85°	77.0	72.1	74.3	76.5	81.9
87.5°	39.1	41.8	45.0	48.8	51.5
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	15.8	17.6	16.2	17.9	18.2	14.9	16.7	15.3	17.0	17.3
	3H	16.9	18.5	17.3	18.9	19.2	16.0	17.6	16.4	18.0	18.3
	4H	17.3	18.8	17.7	19.2	19.5	16.5	18.0	16.9	18.4	18.7
	6H	17.7	19.1	18.1	19.4	19.8	16.9	18.4	17.3	18.7	19.1
	8H	17.8	19.2	18.2	19.6	20.0	17.1	18.5	17.6	18.9	19.3
	12H	18.0	19.3	18.4	19.6	20.1	17.3	18.6	17.7	19.0	19.4
4H	2H	16.2	17.7	16.6	18.1	18.5	15.5	17.0	15.9	17.3	17.7
	3H	17.5	18.8	17.9	19.2	19.6	16.8	18.1	17.2	18.5	18.9
	4H	18.0	19.2	18.4	19.6	20.0	17.4	18.5	17.8	18.9	19.4
	6H	18.5	19.5	18.9	19.9	20.4	17.9	19.0	18.4	19.4	19.8
	8H	18.7	19.7	19.2	20.1	20.6	18.2	19.2	18.7	19.6	20.1
	12H	18.9	19.8	19.4	20.2	20.7	18.4	19.3	18.9	19.8	20.2
8H	4H	18.2	19.1	18.6	19.6	20.0	17.6	18.5	18.0	19.0	19.4
	6H	18.8	19.6	19.3	20.0	20.5	18.3	19.1	18.8	19.6	20.0
	8H	19.1	19.8	19.6	20.3	20.8	18.6	19.3	19.1	19.8	20.3
	12H	19.4	20.0	19.9	20.5	21.0	19.0	19.6	19.5	20.1	20.7
12H	4H	18.2	19.1	18.7	19.5	20.0	17.6	18.5	18.1	18.9	19.4
	6H	18.8	19.5	19.3	20.0	20.5	18.3	19.1	18.9	19.5	20.1
	8H	19.2	19.8	19.7	20.3	20.9	18.7	19.4	19.3	19.9	20.4













(END OF REPORT)