

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: P1526867

Luminaire Tested: 24CGTX-30-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526867
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-30-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

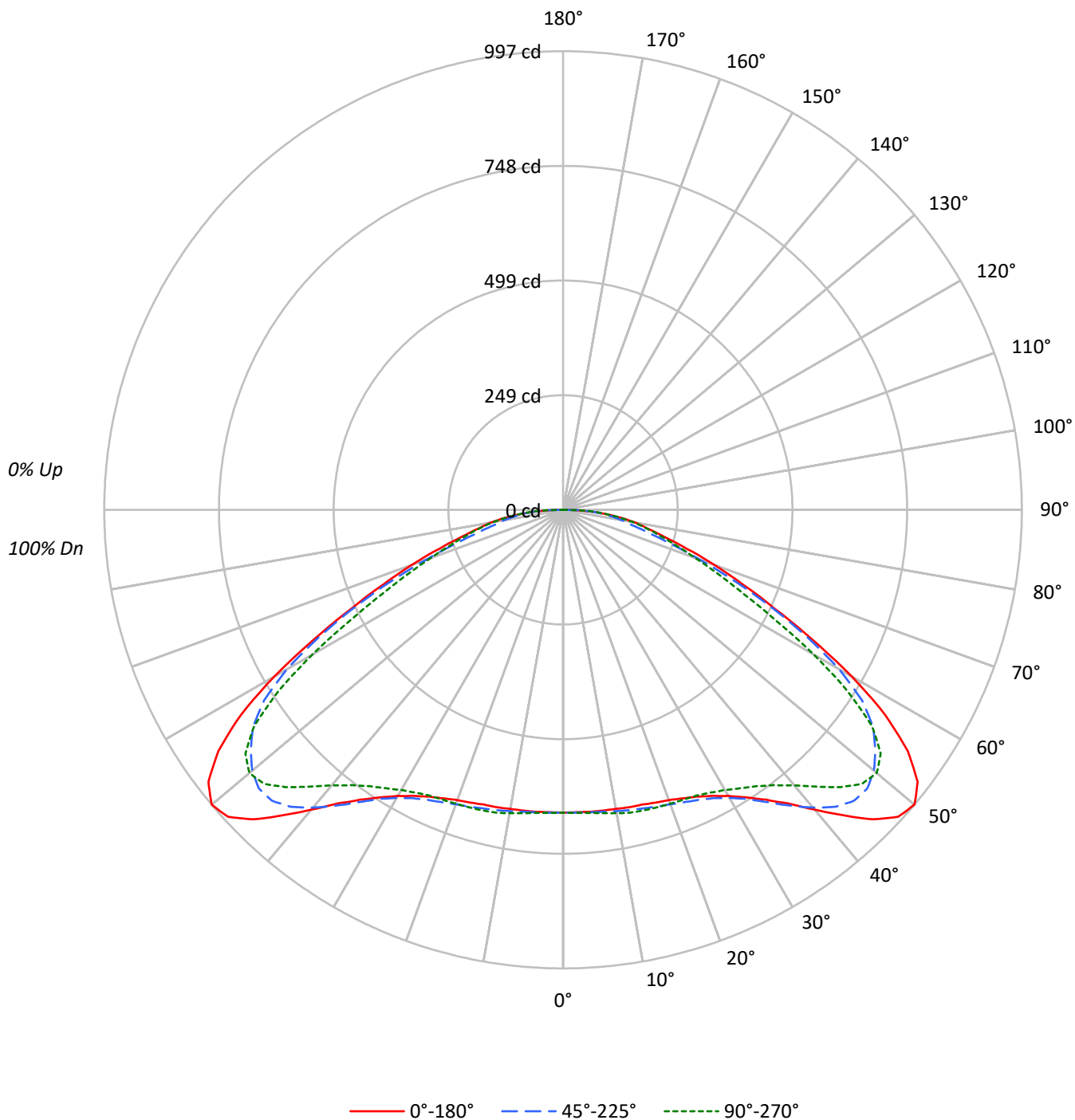
Lumens per Lamp: N/A
Luminaire Lumens: 3286.3 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	886	886	886
5°	890	891	893
10°	902	909	915
15°	924	936	942
20°	961	975	974
25°	1021	1033	1018
30°	1116	1124	1093
35°	1264	1275	1205
40°	1494	1484	1373
45°	1810	1702	1622
50°	2087	1846	1863
55°	2145	1929	1922
60°	1949	1864	1692
65°	1612	1583	1380
70°	1376	1240	1200
75°	1192	988	1136
80°	1234	1001	1195
85°	1247	1204	1326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2147 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	1.9
10°-20°	190.5	5.8
20°-30°	321.9	9.8
30°-40°	484.5	14.7
40°-50°	688.9	21.0
50°-60°	739.4	22.5
60°-70°	481.9	14.7
70°-80°	231.7	7.0
80°-90°	84.3	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°	575.6	17.5
0°-40°	1060.1	32.3
0°-60°	2488.4	75.7
0°-90°	3286.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3286.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	659	660	660	662	661	63
15°	663	667	672	676	676	189
25°	688	694	696	690	686	320
35°	769	784	776	750	733	488
45°	951	928	894	871	852	730
55°	914	891	822	798	819	800
65°	506	502	497	444	434	512
75°	229	217	190	216	218	252
85°	81	76	78	80	86	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.3	658.3	658.3	658.3	658.3
2.5°	657.8	658.3	658.9	659.5	659.5
5°	658.9	659.5	660.0	662.3	661.2
7.5°	659.5	660.0	661.7	665.1	665.1
10°	660.0	661.7	665.1	668.6	669.7
12.5°	662.3	664.0	668.6	673.1	674.3
15°	663.4	666.9	672.0	676.0	676.5
17.5°	667.4	670.8	676.5	678.2	678.2
20°	671.4	676.0	681.1	681.1	679.9
22.5°	678.8	683.9	687.9	684.5	682.2
25°	687.9	694.2	695.9	689.6	685.6
27.5°	701.0	709.0	706.7	698.2	693.0
30°	718.1	728.3	723.2	710.7	703.3
32.5°	740.8	753.3	744.8	728.9	717.5
35°	769.3	784.1	776.1	749.9	733.4
37.5°	804.6	819.9	810.2	776.7	754.5
40°	850.6	858.6	845.0	808.5	781.8
42.5°	900.7	896.7	875.7	842.1	815.9
45°	951.4	928.0	894.5	871.1	852.3
47.5°	987.8	944.5	896.7	884.8	881.4
50°	996.9	941.1	881.9	877.4	889.9
52.5°	971.3	922.9	855.2	847.2	870.0
55°	914.4	891.0	822.2	798.3	819.3
57.5°	830.7	829.0	769.8	727.2	732.9
60°	724.3	731.2	692.5	632.1	628.7
62.5°	609.4	613.4	596.3	533.7	521.8
65°	506.4	502.4	497.3	443.8	433.6
67.5°	421.6	409.7	401.7	369.3	364.2
70°	349.9	331.2	315.2	310.1	305.0
72.5°	283.4	269.7	244.1	258.3	257.8
75°	229.3	216.8	190.0	216.2	218.5
77.5°	187.8	179.2	153.6	177.5	184.9
80°	159.3	141.7	129.2	144.5	154.2
82.5°	121.8	108.1	105.3	111.5	120.6
85°	80.8	75.7	78.0	80.2	85.9
87.5°	41.0	43.8	47.2	51.2	54.1
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	16.0	17.8	16.3	18.1	18.4	15.1	16.8	15.4	17.2	17.5
	3H	17.1	18.7	17.5	19.0	19.4	16.2	17.8	16.6	18.1	18.5
	4H	17.5	19.0	17.9	19.3	19.7	16.7	18.2	17.1	18.5	18.9
	6H	17.8	19.2	18.2	19.6	20.0	17.1	18.5	17.5	18.9	19.3
	8H	18.0	19.3	18.4	19.7	20.1	17.3	18.7	17.7	19.0	19.4
	12H	18.1	19.4	18.5	19.8	20.2	17.5	18.8	17.9	19.2	19.6
4H	2H	16.4	17.9	16.8	18.3	18.6	15.6	17.2	16.0	17.5	17.9
	3H	17.7	18.9	18.1	19.3	19.7	16.9	18.2	17.4	18.6	19.0
	4H	18.2	19.3	18.6	19.7	20.2	17.5	18.7	18.0	19.1	19.5
	6H	18.7	19.7	19.1	20.1	20.6	18.1	19.1	18.6	19.6	20.0
	8H	18.9	19.8	19.3	20.3	20.7	18.4	19.3	18.8	19.8	20.2
	12H	19.1	19.9	19.6	20.4	20.9	18.6	19.5	19.1	19.9	20.4
8H	4H	18.3	19.3	18.8	19.7	20.2	17.7	18.7	18.2	19.1	19.6
	6H	18.9	19.7	19.4	20.2	20.7	18.4	19.2	18.9	19.7	20.2
	8H	19.2	19.9	19.7	20.5	20.9	18.8	19.5	19.3	20.0	20.5
	12H	19.5	20.2	20.0	20.6	21.2	19.1	19.8	19.7	20.3	20.8
12H	4H	18.4	19.2	18.8	19.7	20.2	17.8	18.6	18.2	19.1	19.6
	6H	19.0	19.7	19.5	20.2	20.7	18.5	19.2	19.0	19.7	20.2
	8H	19.3	20.0	19.8	20.5	21.0	18.9	19.6	19.4	20.0	20.6













(END OF REPORT)