

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: P1526869

Luminaire Tested: 24CGTX-30HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526869
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

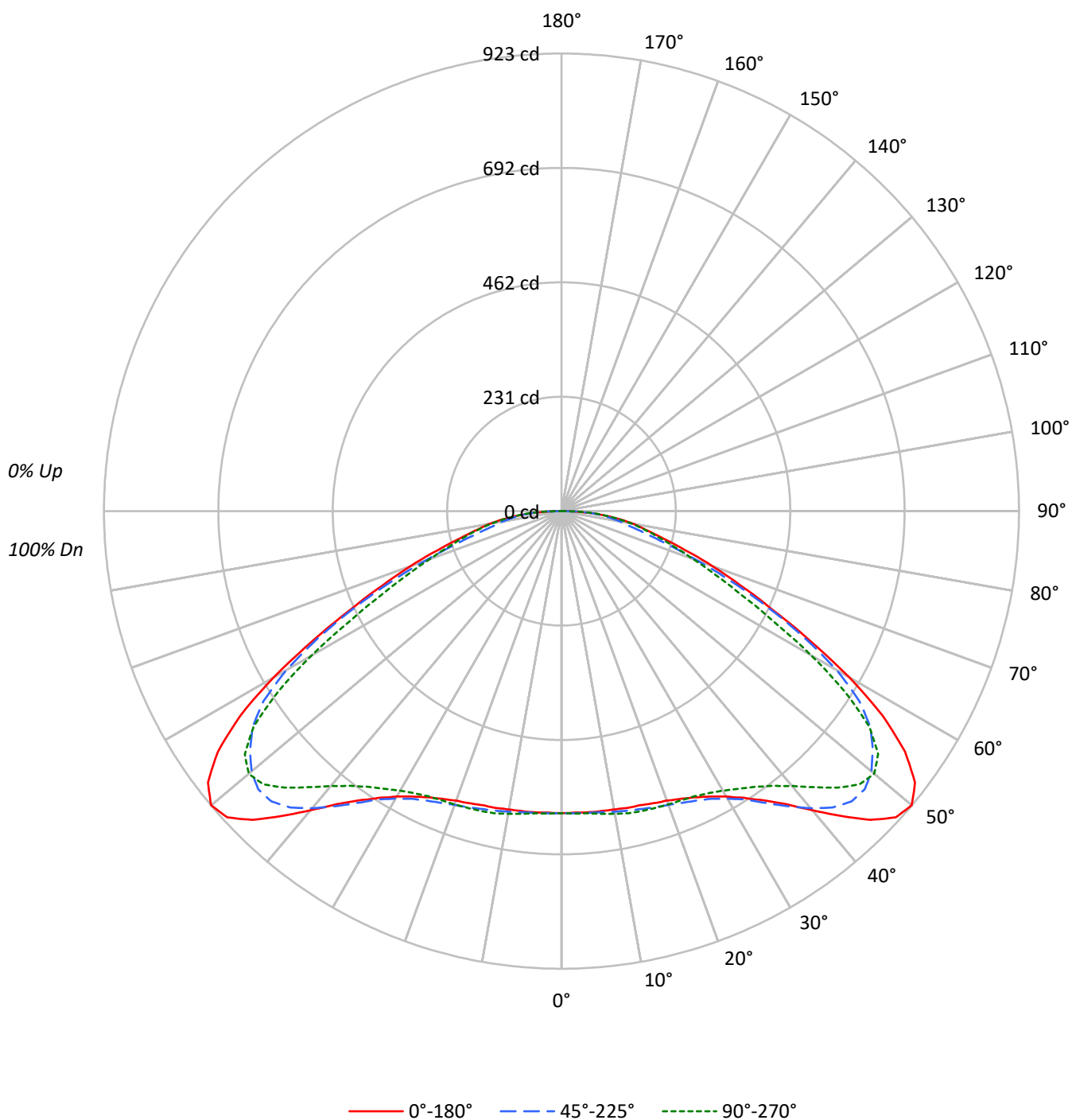
Lumens per Lamp: N/A
Luminaire Lumens: 3041.4 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526869

CATALOG NUMBER: 24CGTX-30HE-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526869

CATALOG NUMBER: 24CGTX-30HE-A125-L830

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	820	820	820
5°	824	825	826
10°	835	841	847
15°	855	866	872
20°	890	902	901
25°	945	956	942
30°	1033	1040	1011
35°	1169	1180	1115
40°	1383	1374	1271
45°	1675	1575	1501
50°	1931	1708	1724
55°	1985	1785	1779
60°	1804	1725	1566
65°	1492	1465	1278
70°	1274	1148	1111
75°	1103	914	1051
80°	1142	926	1106
85°	1155	1113	1227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1987 cd/sqm

TEST NUMBER: P1526869

CATALOG NUMBER: 24CGTX-30HE-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.9
10°-20°	176.3	5.8
20°-30°	297.9	9.8
30°-40°	448.4	14.7
40°-50°	637.6	21.0
50°-60°	684.3	22.5
60°-70°	445.9	14.7
70°-80°	214.4	7.1
80°-90°	78.0	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°	532.7	17.5
0°-40°	981.1	32.3
0°-60°	2303.0	75.7
0°-90°	3041.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3041.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	610	610	611	613	612	58
15°	614	617	622	626	626	175
25°	637	642	644	638	634	296
35°	712	726	718	694	679	452
45°	880	859	828	806	789	676
55°	846	825	761	739	758	740
65°	469	465	460	411	401	474
75°	212	201	176	200	202	233
85°	75	70	72	74	80	81
90°	0	0	0	0	0	

TEST NUMBER: P1526869

CATALOG NUMBER: 24CGTX-30HE-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	609.3	609.3	609.3	609.3	609.3
2.5°	608.7	609.3	609.8	610.3	610.3
5°	609.8	610.3	610.8	613.0	611.9
7.5°	610.3	610.8	612.4	615.6	615.6
10°	610.8	612.4	615.6	618.7	619.8
12.5°	613.0	614.5	618.7	623.0	624.0
15°	614.0	617.2	621.9	625.6	626.1
17.5°	617.7	620.9	626.1	627.7	627.7
20°	621.4	625.6	630.3	630.3	629.3
22.5°	628.2	633.0	636.7	633.5	631.4
25°	636.7	642.4	644.0	638.2	634.5
27.5°	648.8	656.1	654.0	646.1	641.4
30°	664.6	674.0	669.3	657.7	650.9
32.5°	685.6	697.2	689.3	674.6	664.0
35°	712.0	725.6	718.3	694.1	678.8
37.5°	744.6	758.8	749.9	718.8	698.3
40°	787.3	794.6	782.0	748.3	723.5
42.5°	833.6	829.9	810.4	779.4	755.1
45°	880.5	858.9	827.8	806.2	788.8
47.5°	914.2	874.1	829.9	818.9	815.7
50°	922.6	871.0	816.2	812.0	823.6
52.5°	898.9	854.1	791.5	784.1	805.2
55°	846.2	824.6	760.9	738.8	758.3
57.5°	768.8	767.2	712.5	673.0	678.3
60°	670.4	676.7	640.9	585.0	581.9
62.5°	564.0	567.7	551.9	493.9	482.9
65°	468.7	465.0	460.2	410.7	401.3
67.5°	390.2	379.1	371.8	341.8	337.0
70°	323.9	306.5	291.7	287.0	282.3
72.5°	262.2	249.6	225.9	239.1	238.5
75°	212.2	200.6	175.9	200.1	202.2
77.5°	173.8	165.9	142.2	164.3	171.1
80°	147.4	131.1	119.5	133.8	142.7
82.5°	112.7	100.1	97.4	103.2	111.6
85°	74.8	70.0	72.1	74.2	79.5
87.5°	37.9	40.5	43.7	47.4	50.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526869

CATALOG NUMBER: 24CGTX-30HE-A125-L830

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	15.7	17.5	16.1	17.8	18.1	14.8	16.6	15.2	16.9	17.2
	3H	16.8	18.4	17.2	18.7	19.1	15.9	17.5	16.3	17.9	18.2
	4H	17.2	18.7	17.6	19.1	19.4	16.4	17.9	16.8	18.3	18.6
	6H	17.6	19.0	18.0	19.3	19.7	16.8	18.3	17.2	18.6	19.0
	8H	17.7	19.1	18.1	19.5	19.9	17.0	18.4	17.5	18.8	19.2
	12H	17.8	19.2	18.3	19.5	20.0	17.2	18.5	17.6	18.9	19.3
4H	2H	16.1	17.6	16.5	18.0	18.4	15.4	16.9	15.8	17.2	17.6
	3H	17.4	18.7	17.8	19.1	19.5	16.7	18.0	17.1	18.4	18.7
	4H	17.9	19.1	18.3	19.5	19.9	17.3	18.4	17.7	18.8	19.3
	6H	18.4	19.4	18.8	19.8	20.3	17.8	18.9	18.3	19.3	19.7
	8H	18.6	19.6	19.1	20.0	20.5	18.1	19.1	18.6	19.5	20.0
	12H	18.8	19.7	19.3	20.1	20.6	18.3	19.2	18.8	19.7	20.1
8H	4H	18.1	19.0	18.5	19.5	19.9	17.5	18.4	17.9	18.9	19.3
	6H	18.7	19.5	19.1	19.9	20.4	18.2	19.0	18.7	19.5	19.9
	8H	19.0	19.7	19.5	20.2	20.7	18.5	19.2	19.0	19.7	20.2
	12H	19.2	19.9	19.8	20.4	20.9	18.9	19.5	19.4	20.0	20.6
12H	4H	18.1	19.0	18.6	19.4	19.9	17.5	18.4	18.0	18.8	19.3
	6H	18.7	19.4	19.2	19.9	20.4	18.2	19.0	18.8	19.4	20.0
	8H	19.1	19.7	19.6	20.2	20.7	18.6	19.3	19.1	19.8	20.3













(END OF REPORT)