

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: P1526865

Luminaire Tested: 24CGTX-30-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526865
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

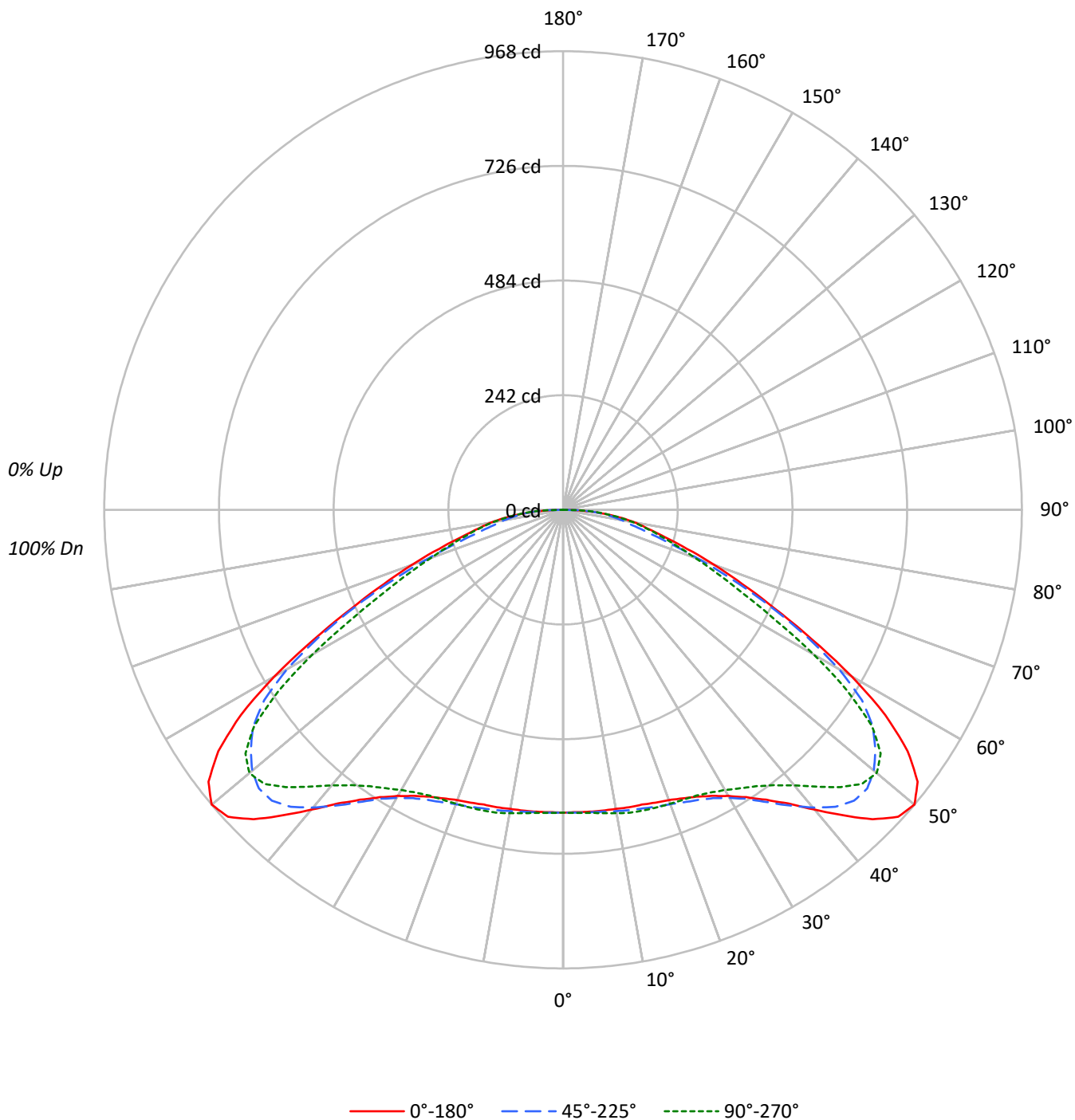
Lumens per Lamp: N/A
Luminaire Lumens: 3190.5 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): =20%
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				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°	860	860	860
5°	864	865	867
10°	875	882	888
15°	897	909	915
20°	933	947	945
25°	992	1003	988
30°	1083	1091	1061
35°	1227	1238	1170
40°	1451	1441	1333
45°	1757	1652	1575
50°	2026	1792	1809
55°	2082	1872	1866
60°	1892	1809	1643
65°	1565	1537	1340
70°	1336	1204	1165
75°	1157	959	1103
80°	1199	972	1160
85°	1210	1169	1288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2084 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	1.9
10°-20°	185.0	5.8
20°-30°	312.5	9.8
30°-40°	470.4	14.7
40°-50°	668.9	21.0
50°-60°	717.8	22.5
60°-70°	467.8	14.7
70°-80°	224.9	7.1
80°-90°	81.9	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°	558.8	17.5
0°-40°	1029.2	32.3
0°-60°	2415.9	75.7
0°-90°	3190.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3190.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	639	639	639	639	639	
5°	640	640	641	643	642	61
15°	644	647	652	656	657	183
25°	668	674	676	670	666	311
35°	747	761	754	728	712	474
45°	924	901	868	846	828	709
55°	888	865	798	775	796	777
65°	492	488	483	431	421	497
75°	223	210	184	210	212	245
85°	78	74	76	78	83	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.1	639.1	639.1	639.1	639.1
2.5°	638.6	639.1	639.7	640.3	640.3
5°	639.7	640.3	640.8	643.0	641.9
7.5°	640.3	640.8	642.5	645.8	645.8
10°	640.8	642.5	645.8	649.1	650.2
12.5°	643.0	644.7	649.1	653.5	654.6
15°	644.1	647.4	652.4	656.3	656.8
17.5°	648.0	651.3	656.8	658.5	658.5
20°	651.9	656.3	661.2	661.2	660.1
22.5°	659.0	664.0	667.9	664.6	662.3
25°	667.9	674.0	675.6	669.5	665.7
27.5°	680.6	688.3	686.1	677.8	672.8
30°	697.2	707.1	702.1	690.0	682.8
32.5°	719.2	731.4	723.1	707.6	696.6
35°	746.9	761.2	753.5	728.1	712.1
37.5°	781.1	796.0	786.6	754.1	732.5
40°	825.9	833.6	820.3	785.0	759.0
42.5°	874.5	870.6	850.2	817.6	792.2
45°	923.6	901.0	868.4	845.8	827.5
47.5°	959.0	917.0	870.6	859.0	855.7
50°	967.8	913.7	856.2	851.8	864.0
52.5°	943.0	896.0	830.3	822.6	844.6
55°	887.7	865.1	798.2	775.0	795.5
57.5°	806.5	804.9	747.4	706.0	711.5
60°	703.2	709.9	672.3	613.7	610.4
62.5°	591.6	595.5	578.9	518.2	506.6
65°	491.7	487.8	482.8	430.9	420.9
67.5°	409.3	397.7	390.0	358.5	353.5
70°	339.7	321.5	306.0	301.1	296.1
72.5°	275.1	261.8	237.0	250.8	250.2
75°	222.6	210.5	184.5	209.9	212.1
77.5°	182.3	174.0	149.2	172.4	179.5
80°	154.7	137.6	125.4	140.3	149.7
82.5°	118.2	105.0	102.2	108.3	117.1
85°	78.4	73.5	75.7	77.9	83.4
87.5°	39.8	42.5	45.9	49.7	52.5
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	15.9	17.7	16.2	18.0	18.3	15.0	16.7	15.3	17.1	17.4
	3H	17.0	18.6	17.4	18.9	19.3	16.1	17.7	16.5	18.0	18.4
	4H	17.4	18.9	17.8	19.2	19.6	16.6	18.1	17.0	18.4	18.8
	6H	17.7	19.1	18.1	19.5	19.9	17.0	18.4	17.4	18.8	19.2
	8H	17.9	19.2	18.3	19.6	20.0	17.2	18.6	17.6	18.9	19.3
	12H	18.0	19.3	18.4	19.7	20.1	17.4	18.7	17.8	19.1	19.5
4H	2H	16.3	17.8	16.7	18.2	18.5	15.5	17.1	15.9	17.4	17.8
	3H	17.6	18.8	18.0	19.2	19.6	16.8	18.1	17.2	18.5	18.9
	4H	18.1	19.2	18.5	19.6	20.1	17.4	18.6	17.9	19.0	19.4
	6H	18.6	19.6	19.0	20.0	20.5	18.0	19.0	18.5	19.5	19.9
	8H	18.8	19.7	19.2	20.2	20.6	18.3	19.2	18.7	19.7	20.1
	12H	19.0	19.8	19.5	20.3	20.8	18.5	19.4	19.0	19.8	20.3
8H	4H	18.2	19.2	18.7	19.6	20.1	17.6	18.6	18.1	19.0	19.5
	6H	18.8	19.6	19.3	20.1	20.6	18.3	19.1	18.8	19.6	20.1
	8H	19.1	19.8	19.6	20.3	20.8	18.7	19.4	19.2	19.9	20.4
	12H	19.4	20.1	19.9	20.5	21.1	19.0	19.7	19.5	20.2	20.7
12H	4H	18.3	19.1	18.7	19.6	20.1	17.7	18.5	18.1	19.0	19.5
	6H	18.9	19.6	19.4	20.1	20.6	18.4	19.1	18.9	19.6	20.1
	8H	19.2	19.9	19.7	20.4	20.9	18.8	19.5	19.3	19.9	20.5













(END OF REPORT)