

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: P1526759

Luminaire Tested: 14CGTX-30HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-30HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

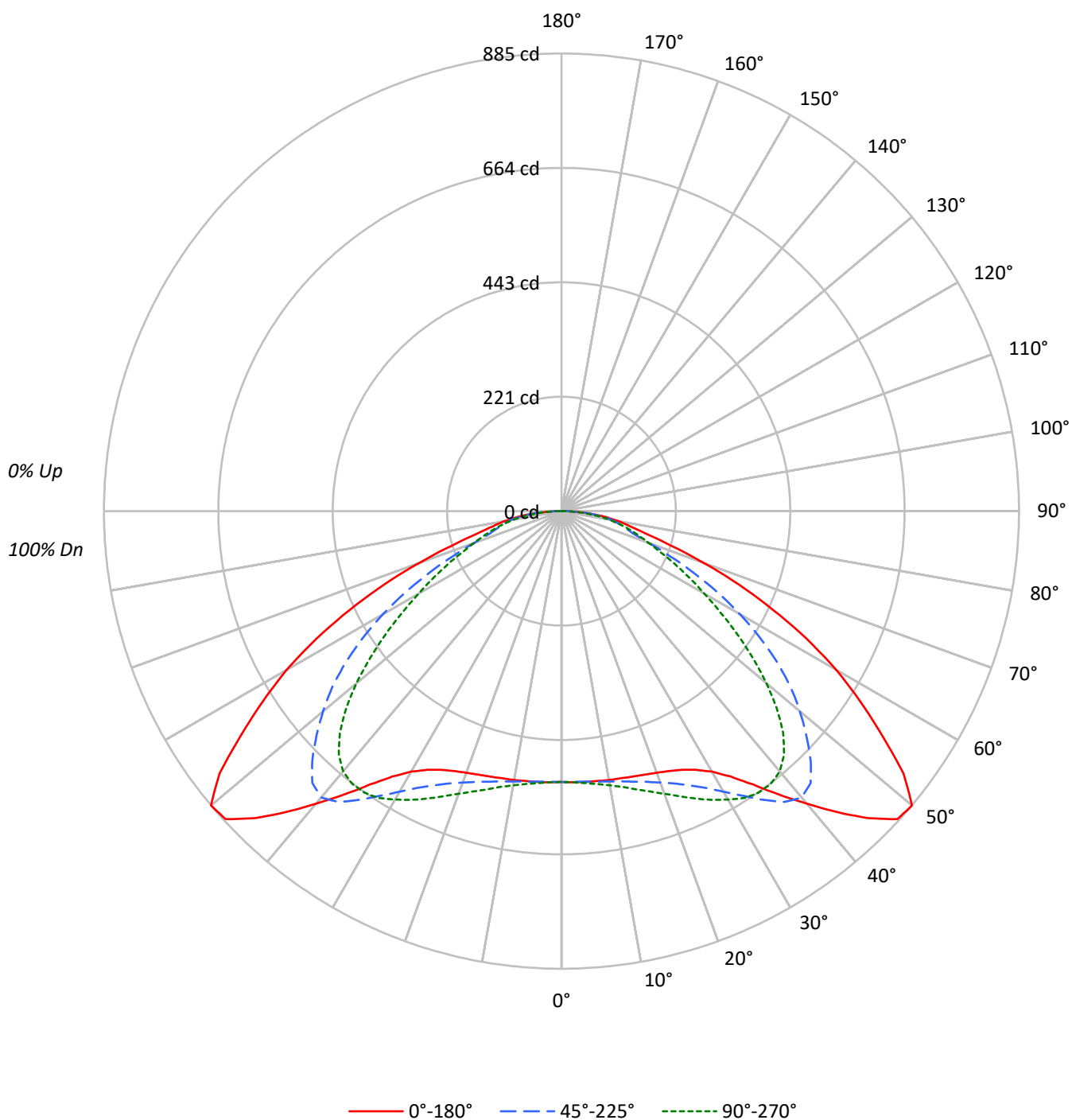
Lumens per Lamp: N/A
Luminaire Lumens: 2452.9 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
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				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	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47			
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39			
6	67	53	44	37	65	52	43	37	50	42	36	49	42	36	47	41	36	34			
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1409	1409	1409
5°	1420	1418	1426
10°	1442	1450	1471
15°	1480	1509	1551
20°	1542	1599	1666
25°	1638	1737	1821
30°	1808	1946	2000
35°	2119	2240	2183
40°	2594	2539	2308
45°	3194	2595	2307
50°	3705	2519	2167
55°	3554	2388	1949
60°	3302	2143	1716
65°	2876	1795	1538
70°	2301	1412	1412
75°	1765	1338	1402
80°	1733	1545	1427
85°	1741	1711	1396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	2.1
10°-20°	154.6	6.3
20°-30°	272.1	11.1
30°-40°	421.5	17.2
40°-50°	537.0	21.9
50°-60°	488.6	19.9
60°-70°	316.8	12.9
70°-80°	154.1	6.3
80°-90°	57.7	2.4
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°	477.1	19.5
0°-40°	898.7	36.6
0°-60°	1924.3	78.4
0°-90°	2452.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2452.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	526	526	525	526	528	50
15°	531	535	542	552	557	151
25°	552	563	585	606	613	257
35°	645	673	682	671	664	411
45°	839	788	682	622	606	645
55°	758	664	509	439	415	676
65°	452	400	282	244	242	447
75°	170	156	129	123	135	192
85°	56	62	55	51	45	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	523.7	523.7	523.7	523.7	523.7
2.5°	524.7	525.3	523.7	524.1	525.0
5°	525.6	526.3	525.0	526.0	527.9
7.5°	526.3	527.6	527.6	529.8	532.3
10°	527.9	529.2	530.7	535.2	538.4
12.5°	529.2	531.4	535.2	542.5	546.0
15°	531.4	534.9	541.6	551.8	556.9
17.5°	534.3	539.3	548.9	562.3	568.3
20°	538.4	545.1	558.5	574.4	581.7
22.5°	543.8	552.7	569.9	588.7	596.7
25°	551.8	563.2	584.9	605.6	613.3
27.5°	563.9	578.2	603.1	623.8	629.5
30°	581.7	599.6	626.3	640.7	643.8
32.5°	608.2	631.1	652.4	657.2	657.9
35°	645.1	673.1	681.8	670.6	664.5
37.5°	690.4	721.6	708.8	675.7	664.9
40°	738.5	763.9	722.8	671.6	656.9
42.5°	789.4	788.2	713.3	653.4	637.5
45°	839.4	787.8	681.8	622.2	606.2
47.5°	881.5	763.9	642.6	583.6	564.8
50°	885.0	732.7	601.8	536.8	517.7
52.5°	834.0	701.8	558.8	488.4	466.4
55°	757.6	664.5	509.1	438.7	415.4
57.5°	685.3	615.8	454.9	387.4	364.5
60°	613.6	553.0	398.2	337.7	318.9
62.5°	534.3	480.1	340.2	288.3	278.4
65°	451.7	400.1	281.9	244.3	241.5
67.5°	371.8	324.3	226.2	202.9	206.4
70°	292.5	256.1	179.4	173.9	179.4
72.5°	222.4	202.0	145.9	147.2	156.1
75°	169.8	155.5	128.7	122.7	134.8
77.5°	136.0	126.8	114.0	105.1	114.0
80°	111.8	109.6	99.7	89.2	92.1
82.5°	84.4	86.0	78.4	73.0	69.4
85°	56.4	61.5	55.4	50.7	45.2
87.5°	28.4	34.4	29.3	26.1	23.3
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	17.6	19.3	17.9	19.6	19.9	14.1	15.8	14.5	16.1	16.5
	3H	18.8	20.4	19.2	20.7	21.1	15.4	16.9	15.8	17.3	17.6
	4H	19.2	20.7	19.6	21.0	21.4	16.0	17.4	16.4	17.8	18.1
	6H	19.5	20.9	19.9	21.2	21.6	16.5	17.9	16.9	18.2	18.6
	8H	19.6	20.9	20.0	21.3	21.7	16.7	18.0	17.1	18.4	18.8
	12H	19.7	21.0	20.2	21.4	21.8	16.9	18.1	17.3	18.5	19.0
4H	2H	17.7	19.2	18.1	19.5	19.9	14.8	16.2	15.2	16.6	17.0
	3H	19.2	20.4	19.6	20.8	21.2	16.2	17.4	16.6	17.8	18.2
	4H	19.7	20.8	20.1	21.2	21.6	16.9	18.0	17.3	18.4	18.8
	6H	20.1	21.1	20.6	21.5	22.0	17.6	18.5	18.0	19.0	19.4
	8H	20.3	21.2	20.8	21.7	22.1	17.9	18.8	18.3	19.2	19.7
	12H	20.5	21.3	21.0	21.8	22.3	18.1	18.9	18.6	19.4	19.9
8H	4H	19.8	20.7	20.2	21.1	21.6	17.2	18.1	17.7	18.6	19.0
	6H	20.3	21.1	20.8	21.6	22.1	18.1	18.8	18.6	19.3	19.8
	8H	20.6	21.3	21.1	21.8	22.3	18.5	19.2	19.0	19.7	20.2
	12H	20.9	21.5	21.4	22.0	22.6	18.8	19.5	19.3	19.9	20.5
12H	4H	19.8	20.6	20.3	21.1	21.5	17.3	18.1	17.8	18.6	19.1
	6H	20.4	21.1	20.9	21.5	22.1	18.2	18.9	18.7	19.4	19.9
	8H	20.7	21.3	21.2	21.8	22.4	18.7	19.3	19.2	19.8	20.3















(END OF REPORT)