

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: P1526755

Luminaire Tested: 14CGTX-30HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526755
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

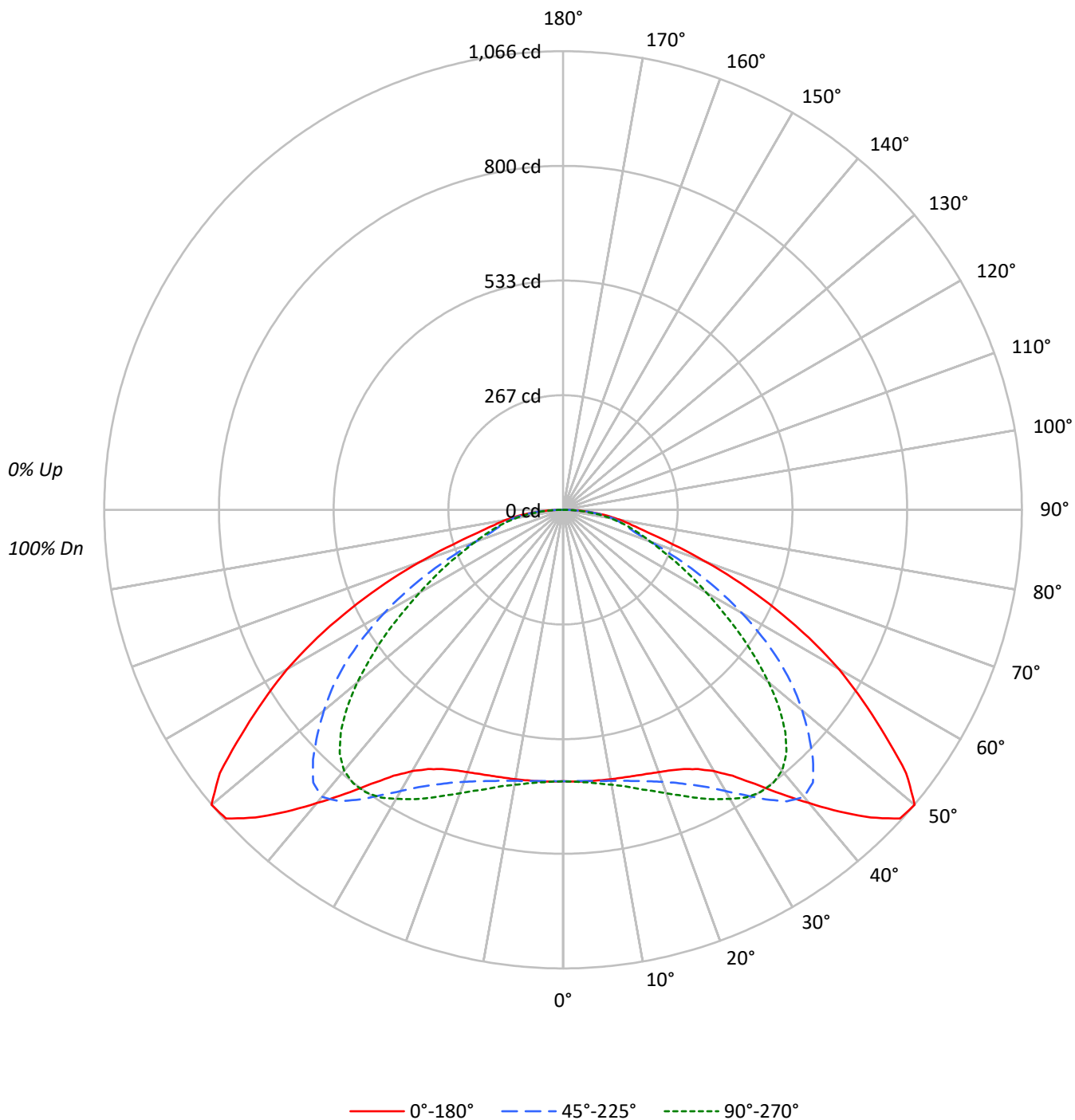
Lumens per Lamp: N/A
Luminaire Lumens: 2955.4 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	1698	1698	1698
5°	1711	1709	1718
10°	1738	1747	1773
15°	1784	1818	1869
20°	1858	1927	2007
25°	1974	2092	2194
30°	2178	2345	2410
35°	2553	2698	2630
40°	3125	3059	2780
45°	3849	3126	2780
50°	4464	3035	2611
55°	4282	2878	2348
60°	3978	2582	2068
65°	3466	2163	1852
70°	2773	1700	1700
75°	2127	1613	1688
80°	2087	1861	1719
85°	2096	2062	1683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	2.1
10°-20°	186.3	6.3
20°-30°	327.9	11.1
30°-40°	507.9	17.2
40°-50°	647.0	21.9
50°-60°	588.7	19.9
60°-70°	381.7	12.9
70°-80°	185.7	6.3
80°-90°	69.6	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°	574.8	19.5
0°-40°	1082.7	36.6
0°-60°	2318.4	78.4
0°-90°	2955.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2955.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	633	634	632	634	636	61
15°	640	644	652	665	671	182
25°	665	679	705	730	739	310
35°	777	811	821	808	801	495
45°	1011	949	821	750	730	777
55°	913	801	613	528	500	815
65°	544	482	340	294	291	539
75°	205	187	155	148	162	232
85°	68	74	67	61	54	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	631.0	631.0	631.0	631.0	631.0
2.5°	632.2	632.9	631.0	631.4	632.5
5°	633.3	634.1	632.5	633.7	636.0
7.5°	634.1	635.6	635.6	638.3	641.4
10°	636.0	637.5	639.5	644.8	648.7
12.5°	637.5	640.2	644.8	653.7	657.9
15°	640.2	644.4	652.5	664.8	670.9
17.5°	643.7	649.8	661.3	677.5	684.7
20°	648.7	656.7	672.8	692.0	700.9
22.5°	655.2	665.9	686.7	709.3	718.9
25°	664.8	678.6	704.7	729.7	738.9
27.5°	679.4	696.6	726.6	751.5	758.4
30°	700.9	722.4	754.6	771.9	775.7
32.5°	732.7	760.4	786.1	791.8	792.6
35°	777.2	811.0	821.4	808.0	800.7
37.5°	831.8	869.4	854.0	814.1	801.0
40°	889.7	920.4	870.9	809.1	791.4
42.5°	951.1	949.6	859.4	787.2	768.0
45°	1011.4	949.2	821.4	749.6	730.4
47.5°	1062.0	920.4	774.2	703.2	680.5
50°	1066.3	882.8	725.0	646.7	623.7
52.5°	1004.9	845.6	673.2	588.4	561.9
55°	912.7	800.7	613.4	528.5	500.5
57.5°	825.6	741.9	548.1	466.7	439.1
60°	739.2	666.3	479.8	406.9	384.2
62.5°	643.7	578.4	409.9	347.4	335.5
65°	544.3	482.1	339.7	294.4	290.9
67.5°	447.9	390.7	272.5	244.5	248.7
70°	352.4	308.6	216.1	209.6	216.1
72.5°	267.9	243.3	175.8	177.3	188.1
75°	204.6	187.3	155.1	147.8	162.4
77.5°	163.9	152.8	137.4	126.7	137.4
80°	134.7	132.0	120.1	107.5	110.9
82.5°	101.7	103.6	94.4	87.9	83.7
85°	67.9	74.1	66.8	61.0	54.5
87.5°	34.2	41.5	35.3	31.5	28.0
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	18.2	19.9	18.6	20.2	20.6	14.7	16.5	15.1	16.8	17.1
	3H	19.5	21.0	19.9	21.4	21.7	16.0	17.6	16.4	17.9	18.3
	4H	19.8	21.3	20.2	21.7	22.0	16.6	18.1	17.0	18.4	18.8
	6H	20.1	21.5	20.5	21.9	22.3	17.1	18.5	17.6	18.9	19.3
	8H	20.3	21.6	20.7	22.0	22.4	17.4	18.7	17.8	19.1	19.5
	12H	20.4	21.6	20.8	22.0	22.4	17.5	18.8	18.0	19.2	19.6
4H	2H	18.4	19.8	18.8	20.2	20.6	15.4	16.9	15.8	17.2	17.6
	3H	19.8	21.1	20.2	21.5	21.9	16.9	18.1	17.3	18.5	18.9
	4H	20.3	21.4	20.7	21.8	22.3	17.5	18.6	18.0	19.1	19.5
	6H	20.8	21.7	21.2	22.2	22.6	18.2	19.2	18.7	19.6	20.1
	8H	21.0	21.9	21.4	22.3	22.8	18.5	19.4	19.0	19.9	20.3
	12H	21.1	22.0	21.6	22.4	22.9	18.8	19.6	19.2	20.1	20.5
8H	4H	20.4	21.3	20.9	21.8	22.2	17.9	18.8	18.3	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.7	18.7	19.5	19.2	20.0	20.4
	8H	21.3	22.0	21.8	22.5	23.0	19.1	19.8	19.6	20.3	20.8
	12H	21.6	22.2	22.1	22.7	23.2	19.5	20.1	20.0	20.6	21.1
12H	4H	20.4	21.2	20.9	21.7	22.2	17.9	18.8	18.4	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.7	18.9	19.5	19.4	20.0	20.5
	8H	21.4	22.0	21.9	22.5	23.0	19.3	19.9	19.8	20.4	21.0















(END OF REPORT)