

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: P1526760

Luminaire Tested: 14CGTX-30HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526760
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

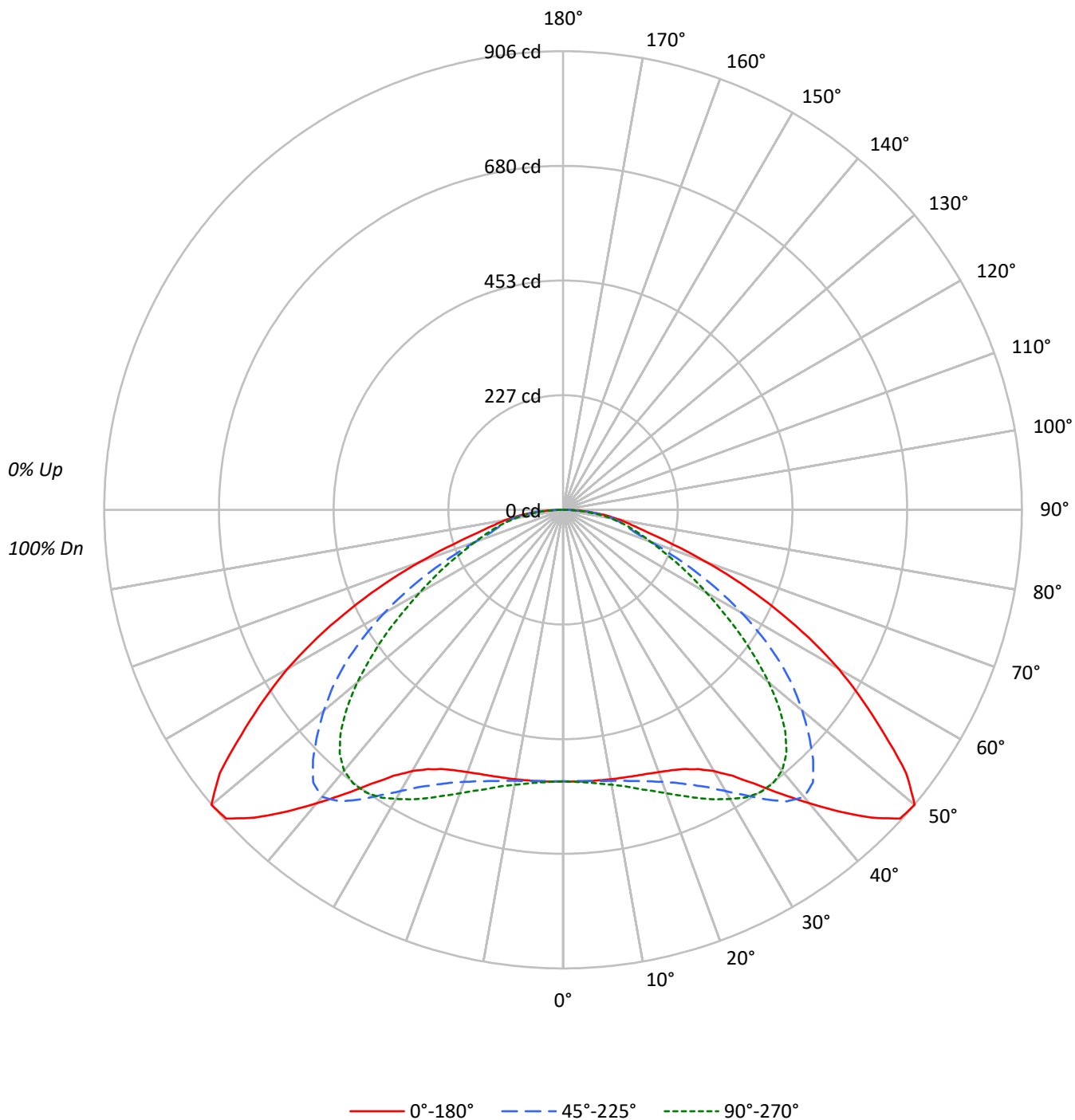
Lumens per Lamp: N/A
Luminaire Lumens: 2512.0 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	1443	1443	1443
5°	1454	1452	1460
10°	1477	1485	1507
15°	1516	1545	1589
20°	1579	1638	1706
25°	1678	1779	1865
30°	1851	1993	2049
35°	2170	2294	2236
40°	2657	2601	2363
45°	3272	2657	2363
50°	3794	2580	2220
55°	3640	2446	1996
60°	3382	2195	1758
65°	2946	1838	1575
70°	2356	1445	1445
75°	1808	1370	1435
80°	1774	1582	1461
85°	1782	1754	1430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3794 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	2.1
10°-20°	158.3	6.3
20°-30°	278.7	11.1
30°-40°	431.7	17.2
40°-50°	550.0	21.9
50°-60°	500.3	19.9
60°-70°	324.5	12.9
70°-80°	157.8	6.3
80°-90°	59.1	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°	488.6	19.5
0°-40°	920.3	36.6
0°-60°	1970.6	78.4
0°-90°	2512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	536	536	536	536	536	
5°	538	539	538	539	541	51
15°	544	548	555	565	570	155
25°	565	577	599	620	628	264
35°	661	689	698	687	681	421
45°	860	807	698	637	621	660
55°	776	681	521	449	425	693
65°	463	410	289	250	247	458
75°	174	159	132	126	138	197
85°	58	63	57	52	46	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.4	536.4	536.4	536.4	536.4
2.5°	537.3	538.0	536.4	536.7	537.7
5°	538.3	539.0	537.7	538.6	540.6
7.5°	539.0	540.3	540.3	542.6	545.2
10°	540.6	541.9	543.5	548.1	551.4
12.5°	541.9	544.2	548.1	555.6	559.2
15°	544.2	547.8	554.6	565.1	570.3
17.5°	547.1	552.3	562.1	575.8	582.0
20°	551.4	558.2	571.9	588.2	595.7
22.5°	556.9	566.0	583.7	602.9	611.1
25°	565.1	576.8	599.0	620.2	628.0
27.5°	577.5	592.1	617.6	638.8	644.7
30°	595.7	614.0	641.4	656.1	659.4
32.5°	622.8	646.3	668.2	673.1	673.7
35°	660.7	689.4	698.2	686.8	680.6
37.5°	707.0	739.0	725.9	692.0	680.9
40°	756.3	782.4	740.3	687.7	672.7
42.5°	808.5	807.1	730.5	669.1	652.8
45°	859.7	806.8	698.2	637.2	620.9
47.5°	902.7	782.4	658.1	597.7	578.4
50°	906.3	750.4	616.3	549.7	530.2
52.5°	854.1	718.7	572.2	500.1	477.6
55°	775.8	680.6	521.4	449.2	425.4
57.5°	701.8	630.6	465.9	396.7	373.2
60°	628.4	566.4	407.8	345.8	326.6
62.5°	547.1	491.7	348.4	295.3	285.1
65°	462.6	409.8	288.7	250.2	247.3
67.5°	380.7	332.1	231.6	207.8	211.4
70°	299.5	262.3	183.7	178.1	183.7
72.5°	227.7	206.8	149.4	150.7	159.9
75°	173.9	159.2	131.8	125.6	138.0
77.5°	139.3	129.8	116.8	107.7	116.8
80°	114.5	112.2	102.1	91.4	94.3
82.5°	86.5	88.1	80.3	74.7	71.1
85°	57.7	63.0	56.8	51.9	46.3
87.5°	29.0	35.2	30.0	26.8	23.8
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	19.4	18.0	19.7	20.0	14.2	15.9	14.5	16.2	16.5
	3H	18.9	20.5	19.3	20.8	21.2	15.5	17.0	15.8	17.4	17.7
	4H	19.3	20.7	19.7	21.1	21.5	16.0	17.5	16.4	17.9	18.2
	6H	19.6	20.9	20.0	21.3	21.7	16.6	17.9	17.0	18.3	18.7
	8H	19.7	21.0	20.1	21.4	21.8	16.8	18.1	17.2	18.5	18.9
	12H	19.8	21.1	20.2	21.4	21.9	17.0	18.2	17.4	18.6	19.0
4H	2H	17.8	19.3	18.2	19.6	20.0	14.8	16.3	15.2	16.7	17.0
	3H	19.3	20.5	19.7	20.9	21.3	16.3	17.5	16.7	17.9	18.3
	4H	19.7	20.8	20.2	21.3	21.7	17.0	18.1	17.4	18.5	18.9
	6H	20.2	21.2	20.6	21.6	22.1	17.7	18.6	18.1	19.1	19.5
	8H	20.4	21.3	20.8	21.7	22.2	18.0	18.9	18.4	19.3	19.8
	12H	20.6	21.4	21.0	21.9	22.3	18.2	19.0	18.7	19.5	20.0
8H	4H	19.8	20.8	20.3	21.2	21.7	17.3	18.2	17.8	18.7	19.1
	6H	20.4	21.2	20.9	21.7	22.1	18.2	18.9	18.6	19.4	19.9
	8H	20.7	21.4	21.2	21.9	22.4	18.6	19.2	19.1	19.8	20.2
	12H	21.0	21.6	21.5	22.1	22.7	18.9	19.5	19.4	20.0	20.6
12H	4H	19.9	20.7	20.3	21.2	21.6	17.4	18.2	17.9	18.7	19.1
	6H	20.5	21.2	21.0	21.6	22.2	18.3	19.0	18.8	19.4	20.0
	8H	20.8	21.4	21.3	21.9	22.5	18.8	19.4	19.3	19.9	20.4













(END OF REPORT)