

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: P1526761

Luminaire Tested: 14CGTX-30HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526761
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

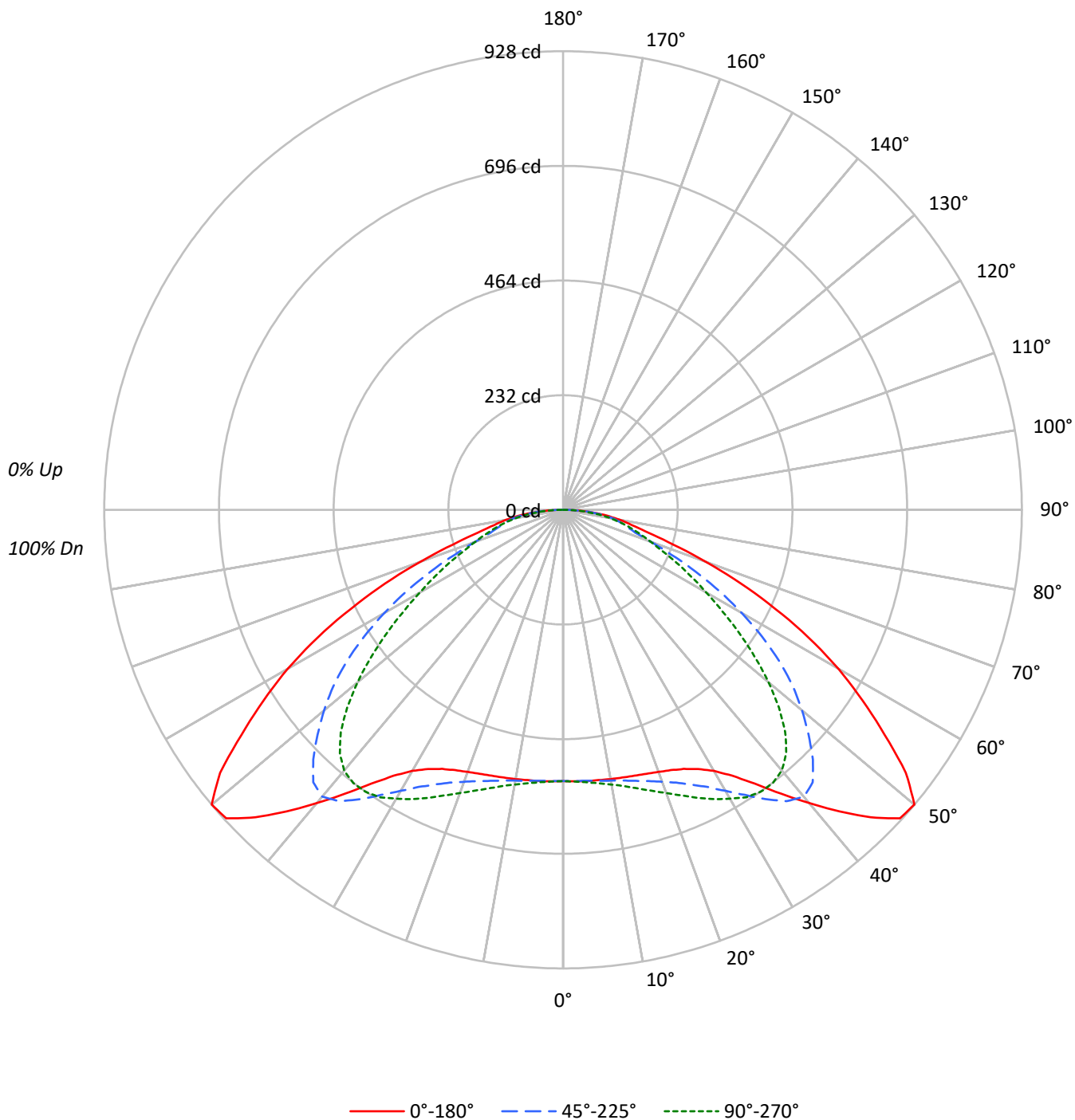
Lumens per Lamp: N/A
Luminaire Lumens: 2571.2 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526761

CATALOG NUMBER: 14CGTX-30HE-A125-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1526761

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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°	1477	1477	1477
5°	1488	1487	1495
10°	1512	1520	1542
15°	1552	1582	1626
20°	1616	1676	1746
25°	1717	1820	1909
30°	1895	2040	2097
35°	2221	2348	2288
40°	2719	2662	2419
45°	3349	2719	2418
50°	3884	2641	2272
55°	3726	2503	2043
60°	3461	2246	1799
65°	3015	1882	1612
70°	2412	1479	1479
75°	1851	1403	1469
80°	1816	1619	1495
85°	1825	1794	1463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3884 cd/sqm

TEST NUMBER: P1526761

CATALOG NUMBER: 14CGTX-30HE-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	2.1
10°-20°	162.1	6.3
20°-30°	285.2	11.1
30°-40°	441.8	17.2
40°-50°	562.9	21.9
50°-60°	512.1	19.9
60°-70°	332.1	12.9
70°-80°	161.5	6.3
80°-90°	60.5	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°	500.1	19.5
0°-40°	942.0	36.6
0°-60°	2017.0	78.4
0°-90°	2571.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2571.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	549	549	549	549	549	
5°	551	552	550	551	553	53
15°	557	561	568	578	584	158
25°	578	590	613	635	643	270
35°	676	706	715	703	697	431
45°	880	826	715	652	636	676
55°	794	697	534	460	435	709
65°	474	419	296	256	253	469
75°	178	163	135	129	141	202
85°	59	64	58	53	47	64
90°	0	0	0	0	0	

TEST NUMBER: P1526761

CATALOG NUMBER: 14CGTX-30HE-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	549.0	549.0	549.0	549.0	549.0
2.5°	550.0	550.6	549.0	549.3	550.3
5°	551.0	551.6	550.3	551.3	553.3
7.5°	551.6	553.0	553.0	555.3	558.0
10°	553.3	554.7	556.3	561.0	564.3
12.5°	554.7	557.0	561.0	568.7	572.4
15°	557.0	560.7	567.7	578.4	583.7
17.5°	560.0	565.3	575.4	589.4	595.7
20°	564.3	571.4	585.4	602.1	609.8
22.5°	570.0	579.4	597.4	617.1	625.4
25°	578.4	590.4	613.1	634.8	642.8
27.5°	591.1	606.1	632.1	653.8	659.8
30°	609.8	628.5	656.5	671.5	674.9
32.5°	637.5	661.5	683.9	688.9	689.6
35°	676.2	705.6	714.6	702.9	696.6
37.5°	723.6	756.3	743.0	708.3	696.9
40°	774.0	800.8	757.7	703.9	688.6
42.5°	827.5	826.1	747.7	684.9	668.2
45°	879.9	825.8	714.6	652.2	635.5
47.5°	924.0	800.8	673.5	611.8	592.1
50°	927.7	768.0	630.8	562.7	542.6
52.5°	874.2	735.6	585.7	511.9	488.9
55°	794.1	696.6	533.6	459.8	435.4
57.5°	718.3	645.5	476.8	406.1	382.0
60°	643.1	579.7	417.4	354.0	334.3
62.5°	560.0	503.2	356.6	302.2	291.9
65°	473.5	419.4	295.5	256.1	253.1
67.5°	389.7	339.9	237.1	212.7	216.4
70°	306.5	268.5	188.0	182.3	188.0
72.5°	233.1	211.7	152.9	154.3	163.6
75°	178.0	163.0	134.9	128.6	141.3
77.5°	142.6	132.9	119.5	110.2	119.5
80°	117.2	114.9	104.5	93.5	96.5
82.5°	88.5	90.2	82.1	76.5	72.8
85°	59.1	64.4	58.1	53.1	47.4
87.5°	29.7	36.1	30.7	27.4	24.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526761

CATALOG NUMBER: 14CGTX-30HE-A125-L940

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	17.7	19.4	18.1	19.8	20.1	14.3	16.0	14.6	16.3	16.6
	3H	19.0	20.6	19.4	20.9	21.2	15.5	17.1	15.9	17.4	17.8
	4H	19.4	20.8	19.7	21.2	21.5	16.1	17.6	16.5	17.9	18.3
	6H	19.7	21.0	20.1	21.4	21.8	16.7	18.0	17.1	18.4	18.8
	8H	19.8	21.1	20.2	21.5	21.9	16.9	18.2	17.3	18.6	19.0
	12H	19.9	21.1	20.3	21.5	22.0	17.1	18.3	17.5	18.7	19.1
4H	2H	17.9	19.3	18.3	19.7	20.1	14.9	16.4	15.3	16.7	17.1
	3H	19.3	20.6	19.7	21.0	21.4	16.4	17.6	16.8	18.0	18.4
	4H	19.8	20.9	20.2	21.3	21.8	17.0	18.2	17.5	18.6	19.0
	6H	20.3	21.2	20.7	21.7	22.1	17.7	18.7	18.2	19.2	19.6
	8H	20.5	21.4	20.9	21.8	22.3	18.0	18.9	18.5	19.4	19.9
	12H	20.7	21.5	21.1	22.0	22.4	18.3	19.1	18.8	19.6	20.0
8H	4H	19.9	20.8	20.4	21.3	21.7	17.4	18.3	17.8	18.7	19.2
	6H	20.5	21.3	21.0	21.8	22.2	18.2	19.0	18.7	19.5	20.0
	8H	20.8	21.5	21.3	22.0	22.5	18.6	19.3	19.1	19.8	20.3
	12H	21.1	21.7	21.6	22.2	22.7	19.0	19.6	19.5	20.1	20.7
12H	4H	19.9	20.8	20.4	21.2	21.7	17.5	18.3	17.9	18.8	19.2
	6H	20.5	21.2	21.1	21.7	22.2	18.4	19.1	18.9	19.5	20.1
	8H	20.9	21.5	21.4	22.0	22.6	18.8	19.5	19.3	19.9	20.5













(END OF REPORT)