

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: P1526758

Luminaire Tested: 14CGTX-30HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526758
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

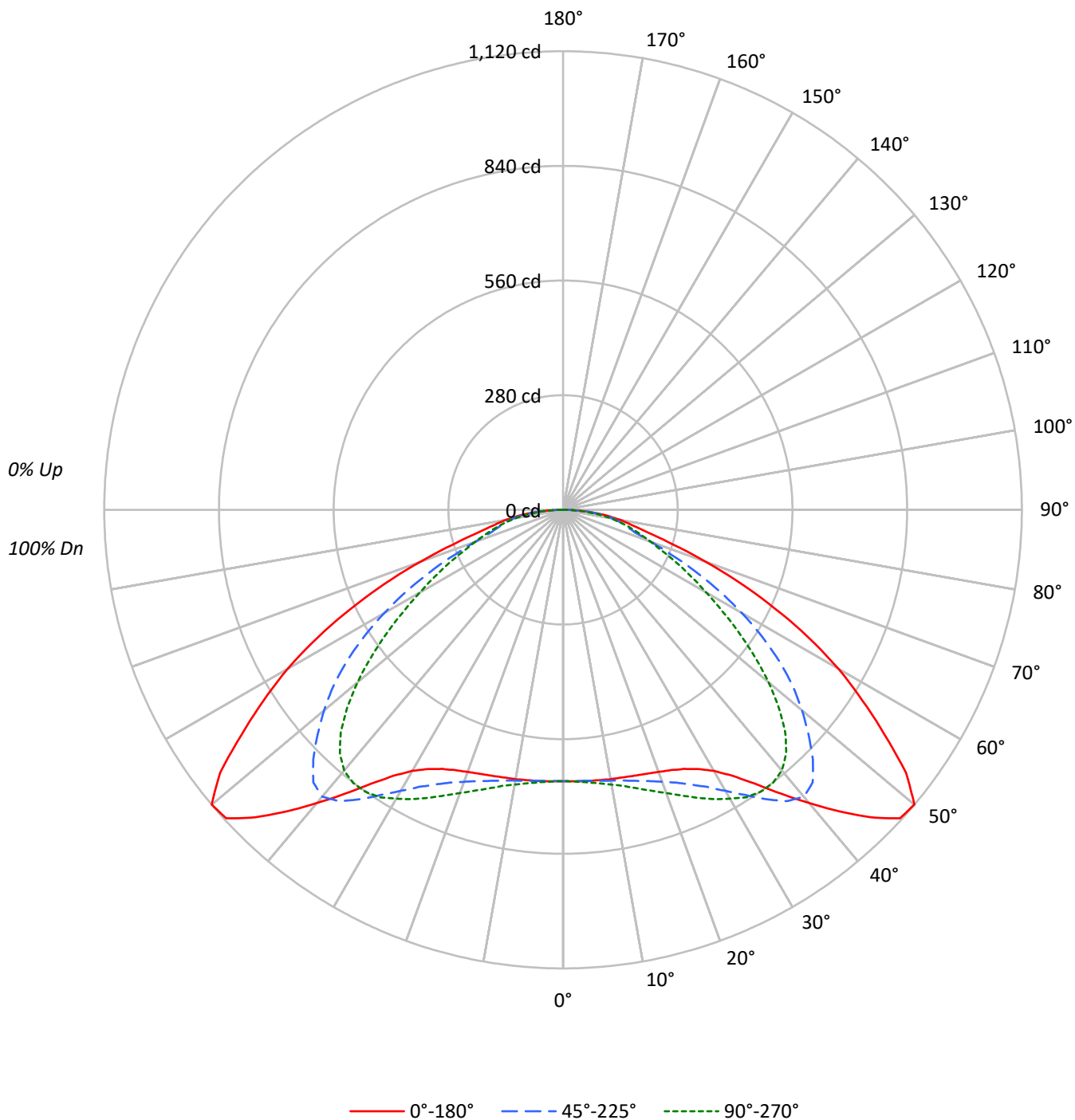
Lumens per Lamp: N/A
Luminaire Lumens: 3103.1 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526758

CATALOG NUMBER: 14CGTX-30HE-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526758

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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°	1783	1783	1783
5°	1796	1794	1804
10°	1825	1835	1861
15°	1873	1909	1963
20°	1950	2023	2107
25°	2072	2197	2303
30°	2287	2462	2531
35°	2681	2833	2762
40°	3282	3212	2919
45°	4041	3282	2919
50°	4687	3187	2742
55°	4496	3021	2465
60°	4177	2711	2171
65°	3639	2271	1945
70°	2911	1785	1785
75°	2233	1693	1773
80°	2193	1954	1805
85°	2201	2164	1766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4687 cd/sqm

TEST NUMBER: P1526758

CATALOG NUMBER: 14CGTX-30HE-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	2.1
10°-20°	195.6	6.3
20°-30°	344.2	11.1
30°-40°	533.3	17.2
40°-50°	679.4	21.9
50°-60°	618.1	19.9
60°-70°	400.8	12.9
70°-80°	195.0	6.3
80°-90°	73.0	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°	603.6	19.5
0°-40°	1136.9	36.6
0°-60°	2434.3	78.4
0°-90°	3103.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3103.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	665	666	664	665	668	64
15°	672	677	685	698	704	191
25°	698	712	740	766	776	326
35°	816	852	862	848	841	520
45°	1062	997	862	787	767	816
55°	958	841	644	555	526	856
65°	572	506	357	309	306	566
75°	215	197	163	155	170	243
85°	71	78	70	64	57	77
90°	0	0	0	0	0	

TEST NUMBER: P1526758

CATALOG NUMBER: 14CGTX-30HE-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	662.6	662.6	662.6	662.6	662.6
2.5°	663.8	664.6	662.6	663.0	664.2
5°	665.0	665.8	664.2	665.4	667.8
7.5°	665.8	667.4	667.4	670.2	673.4
10°	667.8	669.4	671.4	677.1	681.1
12.5°	669.4	672.2	677.1	686.3	690.8
15°	672.2	676.7	685.1	698.0	704.5
17.5°	675.9	682.3	694.4	711.3	719.0
20°	681.1	689.6	706.5	726.6	735.9
22.5°	688.0	699.2	721.0	744.8	754.9
25°	698.0	712.5	739.9	766.1	775.8
27.5°	713.3	731.5	762.9	789.1	796.4
30°	735.9	758.5	792.3	810.5	814.5
32.5°	769.4	798.4	825.4	831.4	832.2
35°	816.1	851.6	862.5	848.4	840.7
37.5°	873.3	912.8	896.7	854.8	841.1
40°	934.2	966.4	914.4	849.6	831.0
42.5°	998.7	997.1	902.4	826.6	806.4
45°	1061.9	996.7	862.5	787.1	766.9
47.5°	1115.1	966.4	812.9	738.3	714.5
50°	1119.6	926.9	761.3	679.1	654.9
52.5°	1055.1	887.8	706.9	617.8	590.0
55°	958.4	840.7	644.0	555.0	525.5
57.5°	866.9	779.0	575.5	490.1	461.1
60°	776.2	699.6	503.8	427.2	403.4
62.5°	675.9	607.3	430.4	364.7	352.2
65°	571.5	506.2	356.7	309.1	305.5
67.5°	470.3	410.3	286.1	256.7	261.2
70°	370.0	324.0	226.9	220.0	226.9
72.5°	281.3	255.5	184.6	186.2	197.5
75°	214.8	196.7	162.8	155.2	170.5
77.5°	172.1	160.4	144.3	133.0	144.3
80°	141.5	138.6	126.1	112.8	116.5
82.5°	106.8	108.8	99.1	92.3	87.9
85°	71.3	77.8	70.1	64.1	57.2
87.5°	35.9	43.5	37.1	33.0	29.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526758

CATALOG NUMBER: 14CGTX-30HE-A125-L850

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	18.4	20.1	18.7	20.4	20.7	14.9	16.6	15.3	17.0	17.3
	3H	19.6	21.2	20.0	21.5	21.9	16.2	17.8	16.6	18.1	18.4
	4H	20.0	21.5	20.4	21.8	22.2	16.8	18.2	17.2	18.6	19.0
	6H	20.3	21.7	20.7	22.0	22.4	17.3	18.7	17.7	19.0	19.4
	8H	20.4	21.7	20.9	22.1	22.5	17.5	18.8	18.0	19.2	19.6
	12H	20.5	21.8	21.0	22.2	22.6	17.7	19.0	18.1	19.3	19.8
4H	2H	18.5	20.0	18.9	20.3	20.7	15.6	17.1	16.0	17.4	17.8
	3H	20.0	21.2	20.4	21.6	22.0	17.0	18.3	17.4	18.7	19.1
	4H	20.5	21.6	20.9	22.0	22.4	17.7	18.8	18.1	19.2	19.7
	6H	20.9	21.9	21.4	22.3	22.8	18.4	19.4	18.8	19.8	20.3
	8H	21.1	22.0	21.6	22.5	22.9	18.7	19.6	19.1	20.0	20.5
	12H	21.3	22.1	21.8	22.6	23.1	18.9	19.8	19.4	20.2	20.7
8H	4H	20.6	21.5	21.0	21.9	22.4	18.0	19.0	18.5	19.4	19.9
	6H	21.2	21.9	21.6	22.4	22.9	18.9	19.7	19.4	20.1	20.6
	8H	21.4	22.1	22.0	22.6	23.1	19.3	20.0	19.8	20.5	21.0
	12H	21.7	22.3	22.2	22.8	23.4	19.7	20.3	20.2	20.8	21.3
12H	4H	20.6	21.4	21.1	21.9	22.4	18.1	18.9	18.6	19.4	19.9
	6H	21.2	21.9	21.7	22.4	22.9	19.0	19.7	19.5	20.2	20.7
	8H	21.5	22.2	22.1	22.6	23.2	19.5	20.1	20.0	20.6	21.2













(END OF REPORT)