

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: P1526757

Luminaire Tested: 14CGTX-30HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526757
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

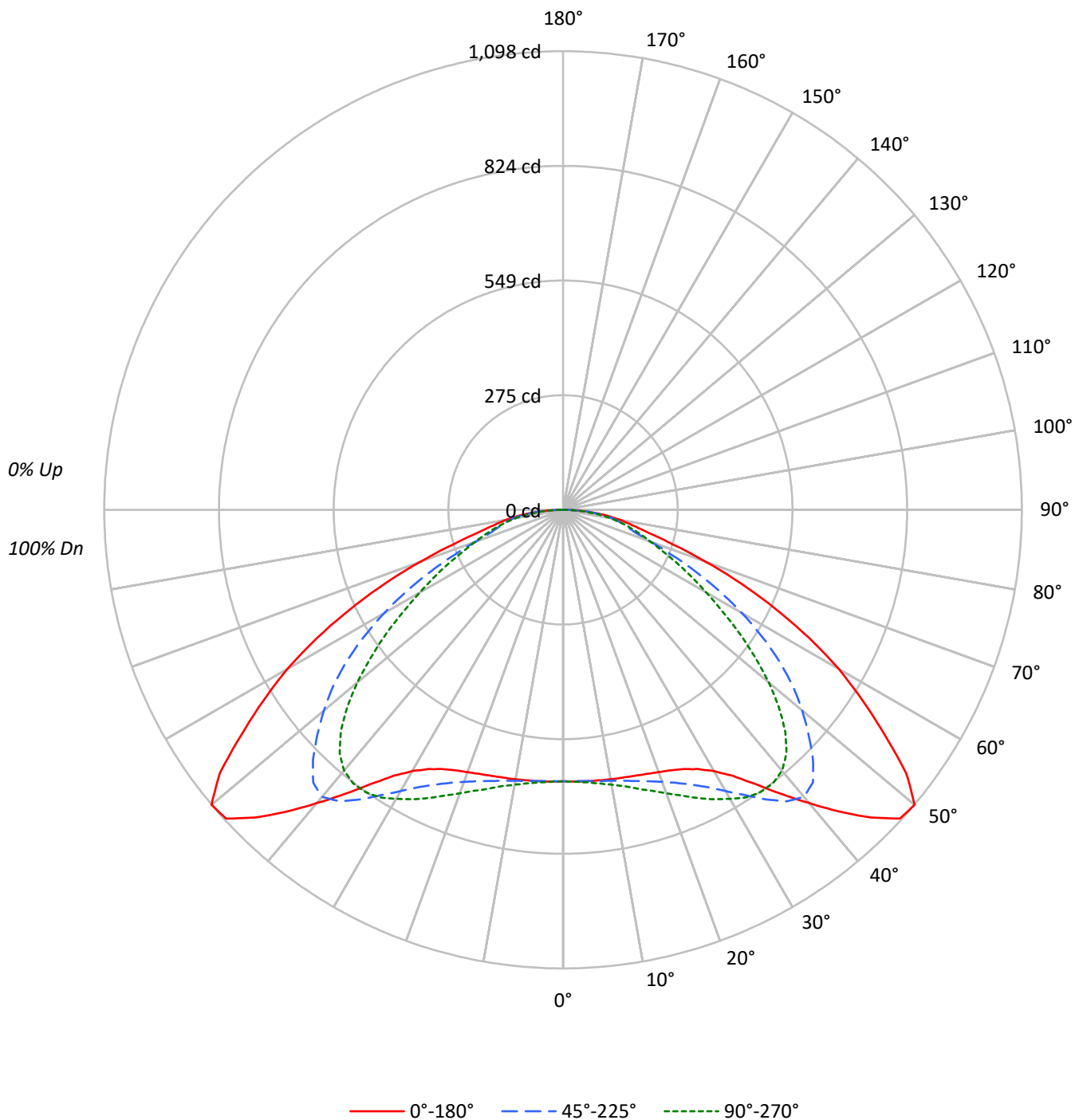
Lumens per Lamp: N/A
Luminaire Lumens: 3044.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526757

CATALOG NUMBER: 14CGTX-30HE-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1526757

CATALOG NUMBER: 14CGTX-30HE-A125-L840

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°	1749	1749	1749
5°	1762	1760	1770
10°	1790	1800	1826
15°	1837	1872	1925
20°	1913	1985	2067
25°	2033	2155	2260
30°	2243	2415	2483
35°	2630	2779	2709
40°	3219	3151	2864
45°	3964	3220	2863
50°	4598	3126	2689
55°	4411	2964	2419
60°	4098	2660	2130
65°	3570	2228	1908
70°	2855	1751	1751
75°	2191	1660	1738
80°	2151	1917	1771
85°	2161	2124	1732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4598 cd/sqm

TEST NUMBER: P1526757

CATALOG NUMBER: 14CGTX-30HE-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	2.1
10°-20°	191.9	6.3
20°-30°	337.7	11.1
30°-40°	523.1	17.2
40°-50°	666.4	21.9
50°-60°	606.3	19.9
60°-70°	393.2	12.9
70°-80°	191.2	6.3
80°-90°	71.7	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°	592.1	19.5
0°-40°	1115.2	36.6
0°-60°	2387.9	78.4
0°-90°	3044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	652	653	652	653	655	62
15°	659	664	672	685	691	187
25°	685	699	726	752	761	319
35°	801	835	846	832	825	510
45°	1042	978	846	772	752	800
55°	940	825	632	544	516	839
65°	561	496	350	303	300	555
75°	211	193	160	152	167	239
85°	70	76	69	63	56	76
90°	0	0	0	0	0	

TEST NUMBER: P1526757

CATALOG NUMBER: 14CGTX-30HE-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	649.9	649.9	649.9	649.9	649.9
2.5°	651.1	651.9	649.9	650.3	651.5
5°	652.3	653.1	651.5	652.7	655.1
7.5°	653.1	654.7	654.7	657.5	660.6
10°	655.1	656.7	658.6	664.2	668.1
12.5°	656.7	659.4	664.2	673.3	677.6
15°	659.4	663.8	672.1	684.7	691.1
17.5°	663.0	669.3	681.2	697.8	705.3
20°	668.1	676.4	693.0	712.8	721.9
22.5°	674.8	685.9	707.3	730.6	740.5
25°	684.7	699.0	725.8	751.5	761.0
27.5°	699.8	717.5	748.4	774.1	781.2
30°	721.9	744.0	777.2	795.0	799.0
32.5°	754.7	783.2	809.7	815.6	816.4
35°	800.6	835.4	846.0	832.2	824.7
37.5°	856.7	895.4	879.6	838.5	825.1
40°	916.4	948.0	897.0	833.4	815.2
42.5°	979.7	978.1	885.2	810.8	791.1
45°	1041.7	977.7	846.0	772.1	752.3
47.5°	1093.9	948.0	797.4	724.3	700.9
50°	1098.3	909.3	746.8	666.1	642.4
52.5°	1035.0	870.9	693.4	606.1	578.8
55°	940.1	824.7	631.8	544.4	515.5
57.5°	850.4	764.2	564.5	480.7	452.3
60°	761.4	686.3	494.2	419.1	395.7
62.5°	663.0	595.8	422.2	357.8	345.5
65°	560.6	496.5	349.9	303.2	299.7
67.5°	461.4	402.5	280.7	251.8	256.2
70°	362.9	317.9	222.6	215.9	222.6
72.5°	275.9	250.6	181.1	182.6	193.7
75°	210.7	192.9	159.7	152.2	167.2
77.5°	168.8	157.3	141.5	130.5	141.5
80°	138.8	136.0	123.7	110.7	114.3
82.5°	104.8	106.7	97.3	90.5	86.2
85°	70.0	76.3	68.8	62.9	56.1
87.5°	35.2	42.7	36.4	32.4	28.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526757

CATALOG NUMBER: 14CGTX-30HE-A125-L840

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	18.3	20.0	18.7	20.3	20.7	14.9	16.6	15.2	16.9	17.2
	3H	19.6	21.1	20.0	21.5	21.8	16.1	17.7	16.5	18.0	18.4
	4H	19.9	21.4	20.3	21.8	22.1	16.7	18.2	17.1	18.5	18.9
	6H	20.2	21.6	20.6	22.0	22.4	17.2	18.6	17.7	19.0	19.4
	8H	20.4	21.7	20.8	22.1	22.5	17.5	18.8	17.9	19.2	19.6
	12H	20.5	21.7	20.9	22.1	22.5	17.6	18.9	18.1	19.3	19.7
4H	2H	18.5	19.9	18.9	20.3	20.7	15.5	17.0	15.9	17.3	17.7
	3H	19.9	21.2	20.3	21.6	22.0	17.0	18.2	17.4	18.6	19.0
	4H	20.4	21.5	20.8	21.9	22.4	17.6	18.7	18.1	19.2	19.6
	6H	20.9	21.8	21.3	22.3	22.7	18.3	19.3	18.8	19.7	20.2
	8H	21.1	22.0	21.5	22.4	22.9	18.6	19.5	19.1	20.0	20.4
	12H	21.2	22.1	21.7	22.5	23.0	18.9	19.7	19.3	20.2	20.6
8H	4H	20.5	21.4	21.0	21.9	22.3	18.0	18.9	18.4	19.3	19.8
	6H	21.1	21.9	21.6	22.3	22.8	18.8	19.6	19.3	20.1	20.5
	8H	21.4	22.1	21.9	22.6	23.1	19.2	19.9	19.7	20.4	20.9
	12H	21.7	22.3	22.2	22.8	23.3	19.6	20.2	20.1	20.7	21.2
12H	4H	20.5	21.3	21.0	21.8	22.3	18.0	18.9	18.5	19.3	19.8
	6H	21.1	21.8	21.7	22.3	22.8	19.0	19.6	19.5	20.1	20.6
	8H	21.5	22.1	22.0	22.6	23.1	19.4	20.0	19.9	20.5	21.1















(END OF REPORT)