

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: P1526753

Luminaire Tested: 14CGTX-30-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526753
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-30-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

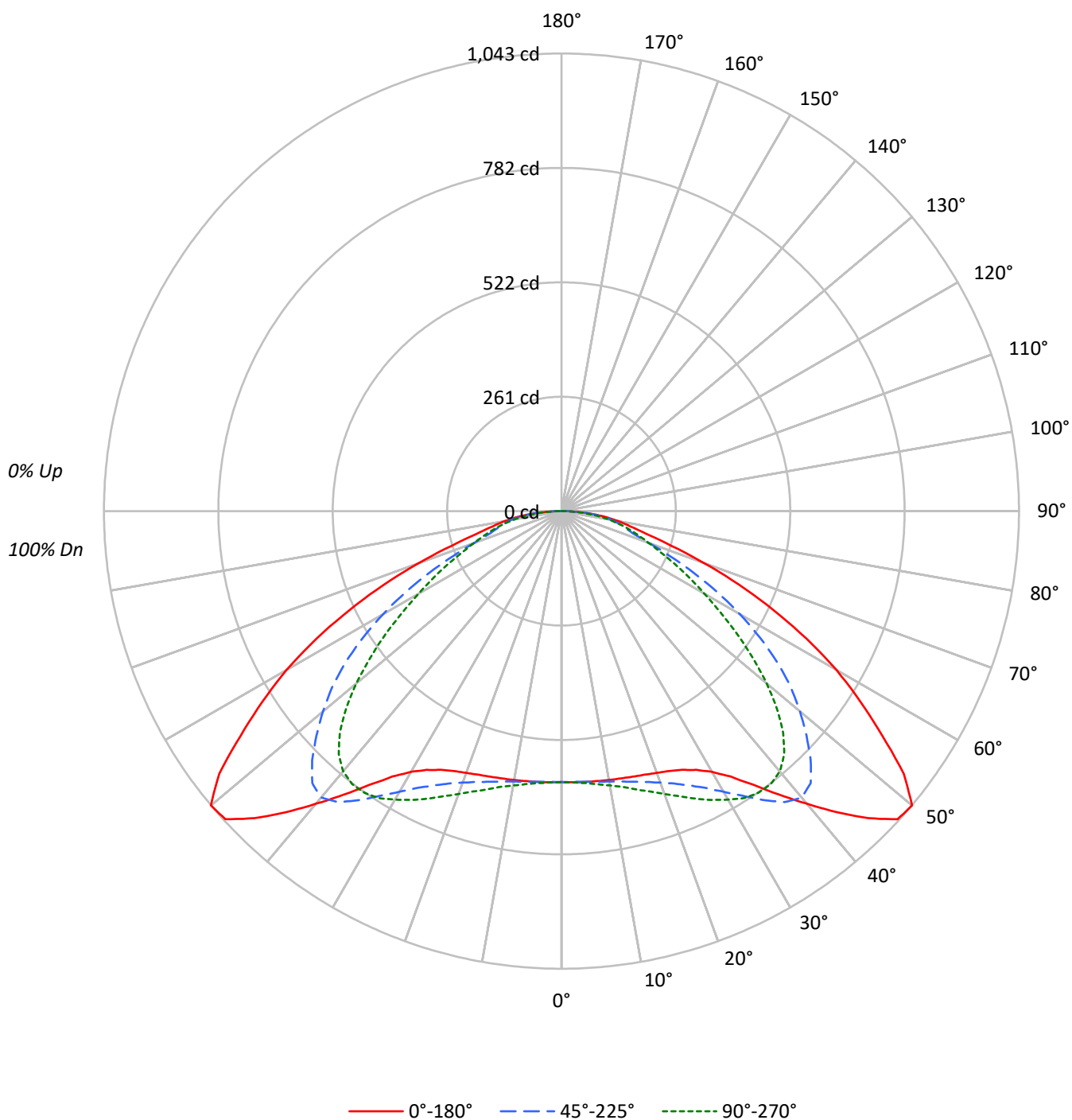
Lumens per Lamp: N/A
Luminaire Lumens: 2891.8 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
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: P1526753

CATALOG NUMBER: 14CGTX-30-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1526753

CATALOG NUMBER: 14CGTX-30-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°	1661	1661	1661
5°	1674	1672	1681
10°	1700	1710	1734
15°	1745	1779	1829
20°	1818	1885	1964
25°	1931	2048	2147
30°	2131	2294	2358
35°	2498	2640	2574
40°	3058	2994	2720
45°	3766	3059	2720
50°	4368	2970	2555
55°	4190	2816	2297
60°	3893	2527	2023
65°	3391	2117	1813
70°	2713	1663	1663
75°	2082	1577	1652
80°	2042	1822	1681
85°	2053	2016	1646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4368 cd/sqm

TEST NUMBER: P1526753

CATALOG NUMBER: 14CGTX-30-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	2.1
10°-20°	182.3	6.3
20°-30°	320.8	11.1
30°-40°	497.0	17.2
40°-50°	633.1	21.9
50°-60°	576.0	19.9
60°-70°	373.5	12.9
70°-80°	181.7	6.3
80°-90°	68.1	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°	562.5	19.5
0°-40°	1059.4	36.6
0°-60°	2268.5	78.4
0°-90°	2891.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2891.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	620	620	619	620	622	59
15°	626	631	638	650	656	178
25°	650	664	690	714	723	303
35°	760	794	804	791	783	484
45°	990	929	804	734	715	760
55°	893	783	600	517	490	797
65°	533	472	332	288	285	527
75°	200	183	152	145	159	227
85°	66	72	65	60	53	72
90°	0	0	0	0	0	

TEST NUMBER: P1526753

CATALOG NUMBER: 14CGTX-30-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.4	617.4	617.4	617.4	617.4
2.5°	618.6	619.3	617.4	617.8	618.9
5°	619.7	620.4	618.9	620.1	622.3
7.5°	620.4	621.9	621.9	624.6	627.6
10°	622.3	623.8	625.7	631.0	634.7
12.5°	623.8	626.5	631.0	639.6	643.7
15°	626.5	630.6	638.5	650.5	656.5
17.5°	629.8	635.8	647.1	662.9	670.0
20°	634.7	642.6	658.4	677.2	685.8
22.5°	641.1	651.6	671.9	694.1	703.4
25°	650.5	664.0	689.6	714.0	723.0
27.5°	664.8	681.7	711.0	735.4	742.1
30°	685.8	706.8	738.4	755.3	759.0
32.5°	717.0	744.0	769.2	774.8	775.6
35°	760.5	793.6	803.7	790.6	783.4
37.5°	813.9	850.7	835.7	796.6	783.8
40°	870.6	900.6	852.2	791.7	774.4
42.5°	930.7	929.2	840.9	770.3	751.5
45°	989.6	928.8	803.7	733.5	714.7
47.5°	1039.2	900.6	757.5	688.1	665.9
50°	1043.3	863.8	709.5	632.8	610.3
52.5°	983.3	827.4	658.8	575.8	549.8
55°	893.1	783.4	600.2	517.2	489.7
57.5°	807.9	726.0	536.3	456.7	429.7
60°	723.4	652.0	469.5	398.1	375.9
62.5°	629.8	566.0	401.1	339.9	328.3
65°	532.6	471.7	332.4	288.1	284.7
67.5°	438.3	382.3	266.7	239.2	243.4
70°	344.8	302.0	211.4	205.1	211.4
72.5°	262.2	238.1	172.0	173.5	184.0
75°	200.2	183.3	151.7	144.6	158.9
77.5°	160.4	149.5	134.5	123.9	134.5
80°	131.8	129.2	117.6	105.2	108.5
82.5°	99.5	101.4	92.4	86.0	81.9
85°	66.5	72.5	65.3	59.7	53.3
87.5°	33.4	40.6	34.6	30.8	27.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526753

CATALOG NUMBER: 14CGTX-30-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	18.1	19.8	18.5	20.2	20.5	14.7	16.4	15.0	16.7	17.0
	3H	19.4	21.0	19.8	21.3	21.7	16.0	17.5	16.3	17.8	18.2
	4H	19.8	21.2	20.2	21.6	22.0	16.5	18.0	16.9	18.3	18.7
	6H	20.1	21.4	20.5	21.8	22.2	17.1	18.4	17.5	18.8	19.2
	8H	20.2	21.5	20.6	21.9	22.3	17.3	18.6	17.7	19.0	19.4
	12H	20.3	21.6	20.7	21.9	22.4	17.5	18.7	17.9	19.1	19.5
4H	2H	18.3	19.8	18.7	20.1	20.5	15.3	16.8	15.7	17.2	17.5
	3H	19.7	21.0	20.2	21.4	21.8	16.8	18.0	17.2	18.4	18.8
	4H	20.2	21.3	20.7	21.7	22.2	17.5	18.6	17.9	19.0	19.4
	6H	20.7	21.7	21.1	22.1	22.5	18.1	19.1	18.6	19.6	20.0
	8H	20.9	21.8	21.3	22.2	22.7	18.4	19.4	18.9	19.8	20.3
	12H	21.1	21.9	21.5	22.4	22.8	18.7	19.5	19.2	20.0	20.5
8H	4H	20.3	21.2	20.8	21.7	22.1	17.8	18.7	18.3	19.2	19.6
	6H	20.9	21.7	21.4	22.2	22.6	18.6	19.4	19.1	19.9	20.4
	8H	21.2	21.9	21.7	22.4	22.9	19.0	19.7	19.6	20.2	20.7
	12H	21.5	22.1	22.0	22.6	23.2	19.4	20.0	19.9	20.5	21.1
12H	4H	20.3	21.2	20.8	21.6	22.1	17.9	18.7	18.4	19.2	19.6
	6H	21.0	21.7	21.5	22.1	22.6	18.8	19.5	19.3	19.9	20.5
	8H	21.3	21.9	21.8	22.4	23.0	19.2	19.9	19.7	20.3	20.9













(END OF REPORT)