

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: P1526772

Luminaire Tested: 14CGTX-42HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526772
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-42HE-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

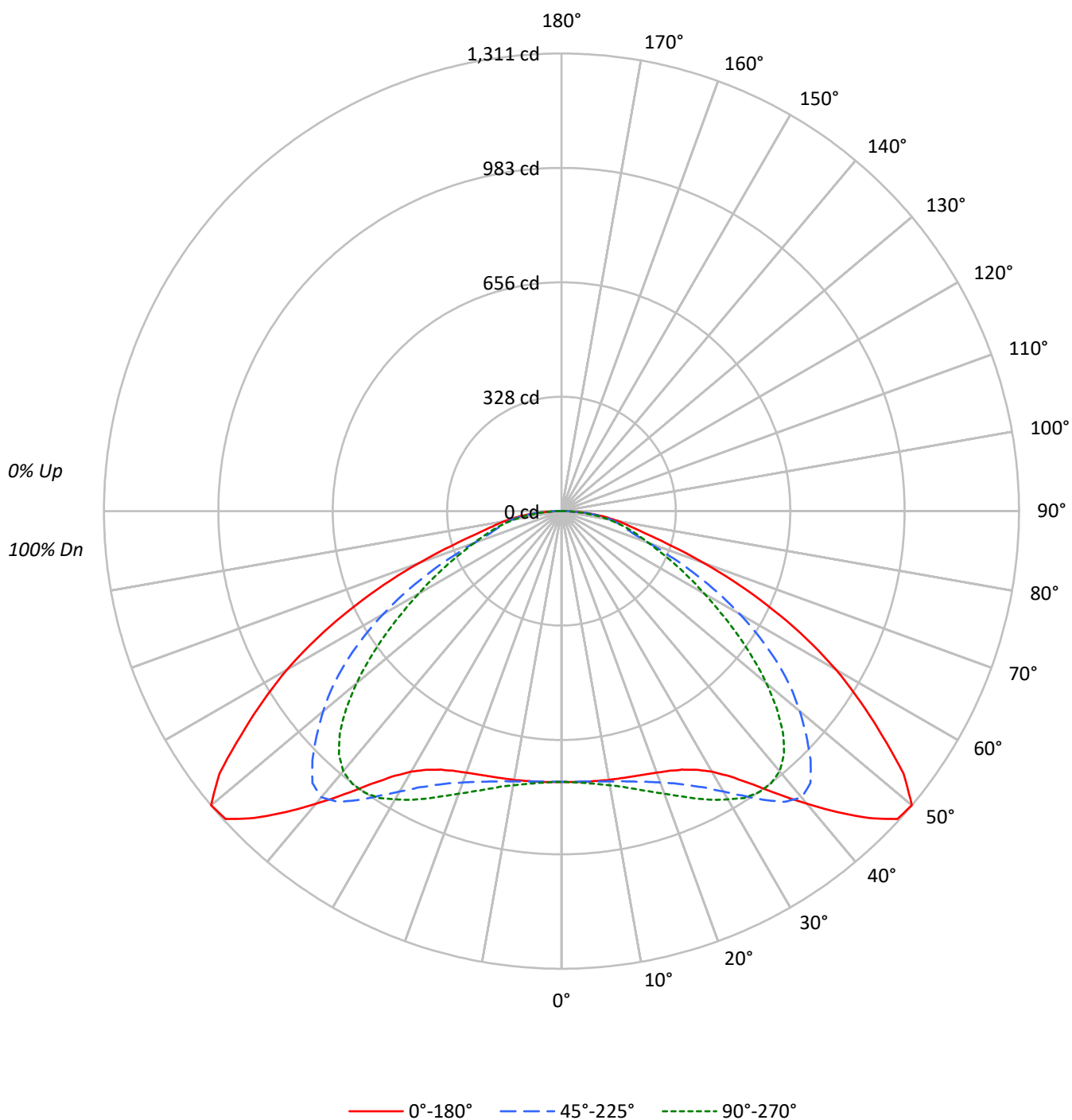
Lumens per Lamp: N/A
Luminaire Lumens: 3632.5 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.9
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: P1526772

CATALOG NUMBER: 14CGTX-42HE-A125-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1526772

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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°	2087	2087	2087
5°	2103	2100	2112
10°	2136	2148	2179
15°	2192	2234	2297
20°	2283	2368	2467
25°	2426	2572	2696
30°	2677	2882	2962
35°	3138	3317	3233
40°	3841	3760	3417
45°	4731	3842	3417
50°	5487	3731	3209
55°	5263	3537	2886
60°	4890	3174	2541
65°	4260	2658	2277
70°	3408	2090	2090
75°	2614	1982	2075
80°	2566	2289	2112
85°	2578	2535	2069

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5487 cd/sqm

TEST NUMBER: P1526772

CATALOG NUMBER: 14CGTX-42HE-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	2.1
10°-20°	228.9	6.3
20°-30°	403.0	11.1
30°-40°	624.2	17.2
40°-50°	795.2	21.9
50°-60°	723.5	19.9
60°-70°	469.2	12.9
70°-80°	228.2	6.3
80°-90°	85.5	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°	706.6	19.5
0°-40°	1330.8	36.6
0°-60°	2849.5	78.4
0°-90°	3632.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3632.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	778	779	778	779	782	74
15°	787	792	802	817	825	224
25°	817	834	866	897	908	381
35°	955	997	1010	993	984	608
45°	1243	1167	1010	921	898	955
55°	1122	984	754	650	615	1002
65°	669	592	418	362	358	662
75°	251	230	191	182	200	285
85°	84	91	82	75	67	91
90°	0	0	0	0	0	

TEST NUMBER: P1526772

CATALOG NUMBER: 14CGTX-42HE-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.6	775.6	775.6	775.6	775.6
2.5°	777.0	777.9	775.6	776.0	777.5
5°	778.4	779.4	777.5	778.9	781.7
7.5°	779.4	781.2	781.2	784.5	788.3
10°	781.7	783.6	786.0	792.6	797.3
12.5°	783.6	786.9	792.6	803.4	808.6
15°	786.9	792.1	802.0	817.1	824.6
17.5°	791.1	798.7	812.8	832.7	841.6
20°	797.3	807.2	827.0	850.6	861.4
22.5°	805.3	818.5	844.0	871.8	883.6
25°	817.1	834.1	866.2	896.8	908.1
27.5°	835.0	856.2	893.0	923.7	932.2
30°	861.4	887.9	927.5	948.7	953.4
32.5°	900.6	934.6	966.2	973.2	974.2
35°	955.3	996.8	1009.6	993.1	984.1
37.5°	1022.3	1068.5	1049.7	1000.6	984.6
40°	1093.5	1131.3	1070.4	994.5	972.8
42.5°	1169.0	1167.1	1056.3	967.6	944.0
45°	1243.1	1166.7	1009.6	921.4	897.8
47.5°	1305.4	1131.3	951.5	864.3	836.4
50°	1310.6	1085.1	891.2	794.9	766.6
52.5°	1235.1	1039.3	827.5	723.2	690.7
55°	1121.9	984.1	753.9	649.6	615.2
57.5°	1014.8	911.9	673.7	573.7	539.7
60°	908.6	819.0	589.7	500.1	472.2
62.5°	791.1	710.9	503.8	426.9	412.3
65°	669.0	592.5	417.5	361.8	357.6
67.5°	550.5	480.3	335.0	300.5	305.7
70°	433.1	379.3	265.6	257.6	265.6
72.5°	329.3	299.1	216.1	218.0	231.2
75°	251.4	230.2	190.6	181.6	199.6
77.5°	201.4	187.8	168.9	155.7	168.9
80°	165.6	162.3	147.7	132.1	136.3
82.5°	125.0	127.4	116.1	108.0	102.8
85°	83.5	91.1	82.1	75.0	67.0
87.5°	42.0	51.0	43.4	38.7	34.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526772

CATALOG NUMBER: 14CGTX-42HE-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	18.9	20.6	19.3	21.0	21.3	15.5	17.2	15.8	17.5	17.8
	3H	20.2	21.8	20.6	22.1	22.4	16.8	18.3	17.1	18.6	19.0
	4H	20.6	22.0	20.9	22.4	22.7	17.3	18.8	17.7	19.1	19.5
	6H	20.9	22.2	21.3	22.6	23.0	17.9	19.2	18.3	19.6	20.0
	8H	21.0	22.3	21.4	22.7	23.1	18.1	19.4	18.5	19.8	20.2
	12H	21.1	22.3	21.5	22.7	23.2	18.3	19.5	18.7	19.9	20.3
4H	2H	19.1	20.5	19.5	20.9	21.3	16.1	17.6	16.5	17.9	18.3
	3H	20.5	21.8	20.9	22.2	22.6	17.6	18.8	18.0	19.2	19.6
	4H	21.0	22.1	21.4	22.5	23.0	18.2	19.4	18.7	19.8	20.2
	6H	21.5	22.4	21.9	22.9	23.3	18.9	19.9	19.4	20.4	20.8
	8H	21.7	22.6	22.1	23.0	23.5	19.2	20.1	19.7	20.6	21.1
	12H	21.9	22.7	22.3	23.2	23.6	19.5	20.3	20.0	20.8	21.2
8H	4H	21.1	22.0	21.6	22.5	22.9	18.6	19.5	19.0	19.9	20.4
	6H	21.7	22.5	22.2	23.0	23.4	19.4	20.2	19.9	20.7	21.2
	8H	22.0	22.7	22.5	23.2	23.7	19.8	20.5	20.3	21.0	21.5
	12H	22.3	22.9	22.8	23.4	23.9	20.2	20.8	20.7	21.3	21.9
12H	4H	21.1	22.0	21.6	22.4	22.9	18.7	19.5	19.1	20.0	20.4
	6H	21.7	22.4	22.3	22.9	23.4	19.6	20.3	20.1	20.7	21.3
	8H	22.1	22.7	22.6	23.2	23.8	20.0	20.7	20.5	21.1	21.7















(END OF REPORT)