

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: P1526770

Luminaire Tested: 14CGTX-42HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526770
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

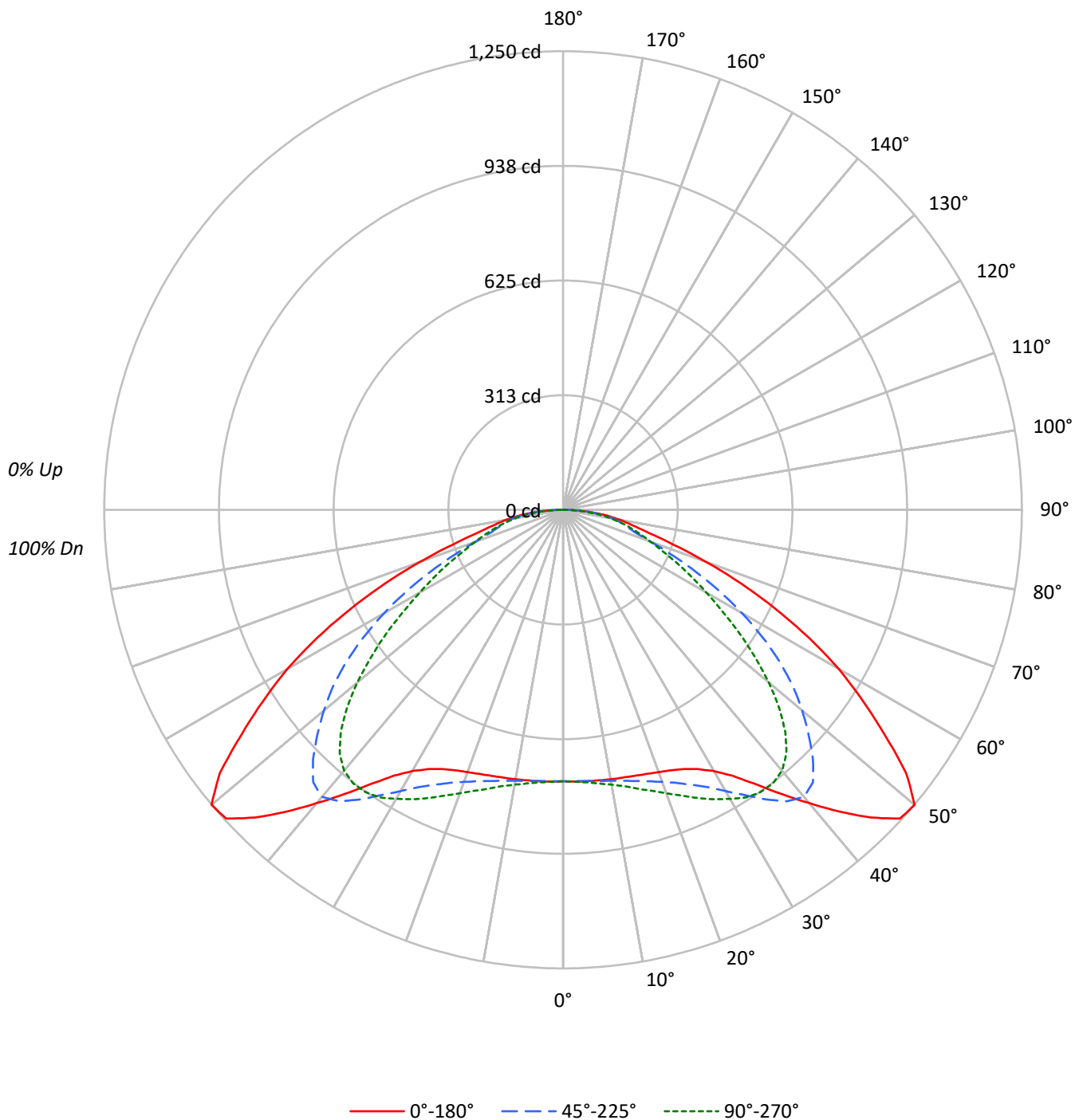
Lumens per Lamp: N/A
Luminaire Lumens: 3465.5 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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°	1991	1991	1991
5°	2006	2004	2015
10°	2038	2049	2078
15°	2091	2131	2192
20°	2178	2259	2353
25°	2314	2453	2572
30°	2554	2749	2826
35°	2994	3164	3084
40°	3665	3587	3260
45°	4513	3666	3260
50°	5234	3559	3062
55°	5021	3374	2753
60°	4665	3028	2425
65°	4064	2536	2173
70°	3251	1994	1994
75°	2494	1890	1980
80°	2448	2183	2016
85°	2461	2418	1973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5234 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	2.1
10°-20°	218.4	6.3
20°-30°	384.4	11.1
30°-40°	595.5	17.2
40°-50°	758.7	21.9
50°-60°	690.3	19.9
60°-70°	447.6	12.9
70°-80°	217.7	6.3
80°-90°	81.6	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°	674.1	19.5
0°-40°	1269.6	36.6
0°-60°	2718.5	78.4
0°-90°	3465.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3465.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	743	744	742	743	746	71
15°	751	756	765	780	787	213
25°	780	796	826	856	866	364
35°	911	951	963	947	939	580
45°	1186	1113	963	879	856	911
55°	1070	939	719	620	587	955
65°	638	565	398	345	341	632
75°	240	220	182	173	190	272
85°	80	87	78	72	64	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.9	739.9	739.9	739.9	739.9
2.5°	741.3	742.2	739.9	740.4	741.7
5°	742.6	743.5	741.7	743.1	745.8
7.5°	743.5	745.3	745.3	748.5	752.1
10°	745.8	747.6	749.8	756.1	760.6
12.5°	747.6	750.7	756.1	766.5	771.4
15°	750.7	755.7	765.1	779.5	786.7
17.5°	754.8	762.0	775.5	794.4	802.9
20°	760.6	770.1	789.0	811.5	821.8
22.5°	768.3	780.9	805.2	831.7	843.0
25°	779.5	795.7	826.3	855.6	866.4
27.5°	796.6	816.9	852.0	881.2	889.3
30°	821.8	847.0	884.8	905.1	909.6
32.5°	859.2	891.6	921.7	928.5	929.4
35°	911.4	951.0	963.2	947.4	938.9
37.5°	975.3	1019.4	1001.4	954.6	939.3
40°	1043.3	1079.3	1021.2	948.8	928.0
42.5°	1115.3	1113.5	1007.7	923.1	900.6
45°	1185.9	1113.0	963.2	879.0	856.5
47.5°	1245.4	1079.3	907.8	824.5	798.0
50°	1250.3	1035.2	850.2	758.4	731.4
52.5°	1178.3	991.5	789.4	690.0	658.9
55°	1070.3	938.9	719.2	619.7	586.9
57.5°	968.1	870.0	642.7	547.3	514.9
60°	866.8	781.3	562.6	477.1	450.5
62.5°	754.8	678.3	480.7	407.3	393.4
65°	638.2	565.3	398.3	345.2	341.2
67.5°	525.2	458.2	319.6	286.7	291.6
70°	413.2	361.9	253.4	245.7	253.4
72.5°	314.2	285.3	206.1	207.9	220.5
75°	239.9	219.6	181.8	173.3	190.4
77.5°	192.2	179.1	161.1	148.5	161.1
80°	158.0	154.8	140.9	126.0	130.1
82.5°	119.3	121.5	110.7	103.1	98.1
85°	79.7	86.9	78.3	71.6	63.9
87.5°	40.1	48.6	41.4	36.9	32.9
90°	0.0	0.0	0.0	0.0	0.0

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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	18.8	20.5	19.1	20.8	21.1	15.3	17.0	15.7	17.3	17.7
	3H	20.0	21.6	20.4	21.9	22.3	16.6	18.1	17.0	18.5	18.8
	4H	20.4	21.9	20.8	22.2	22.6	17.2	18.6	17.6	19.0	19.3
	6H	20.7	22.1	21.1	22.4	22.8	17.7	19.1	18.1	19.4	19.8
	8H	20.8	22.1	21.2	22.5	22.9	17.9	19.2	18.3	19.6	20.0
	12H	20.9	22.2	21.4	22.6	23.0	18.1	19.4	18.5	19.7	20.2
4H	2H	18.9	20.4	19.3	20.7	21.1	16.0	17.4	16.4	17.8	18.2
	3H	20.4	21.6	20.8	22.0	22.4	17.4	18.6	17.8	19.0	19.4
	4H	20.9	22.0	21.3	22.4	22.8	18.1	19.2	18.5	19.6	20.0
	6H	21.3	22.3	21.8	22.7	23.2	18.8	19.7	19.2	20.2	20.6
	8H	21.5	22.4	22.0	22.9	23.3	19.1	20.0	19.5	20.4	20.9
	12H	21.7	22.5	22.2	23.0	23.5	19.3	20.1	19.8	20.6	21.1
8H	4H	21.0	21.9	21.4	22.3	22.8	18.4	19.3	18.9	19.8	20.2
	6H	21.5	22.3	22.0	22.8	23.3	19.3	20.0	19.8	20.5	21.0
	8H	21.8	22.5	22.3	23.0	23.5	19.7	20.4	20.2	20.9	21.4
	12H	22.1	22.7	22.6	23.2	23.8	20.0	20.7	20.5	21.1	21.7
12H	4H	21.0	21.8	21.5	22.3	22.7	18.5	19.3	19.0	19.8	20.3
	6H	21.6	22.3	22.1	22.7	23.3	19.4	20.1	19.9	20.6	21.1
	8H	21.9	22.5	22.4	23.0	23.6	19.9	20.5	20.4	21.0	21.5













(END OF REPORT)