

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: P1526771

Luminaire Tested: 14CGTX-42HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526771
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

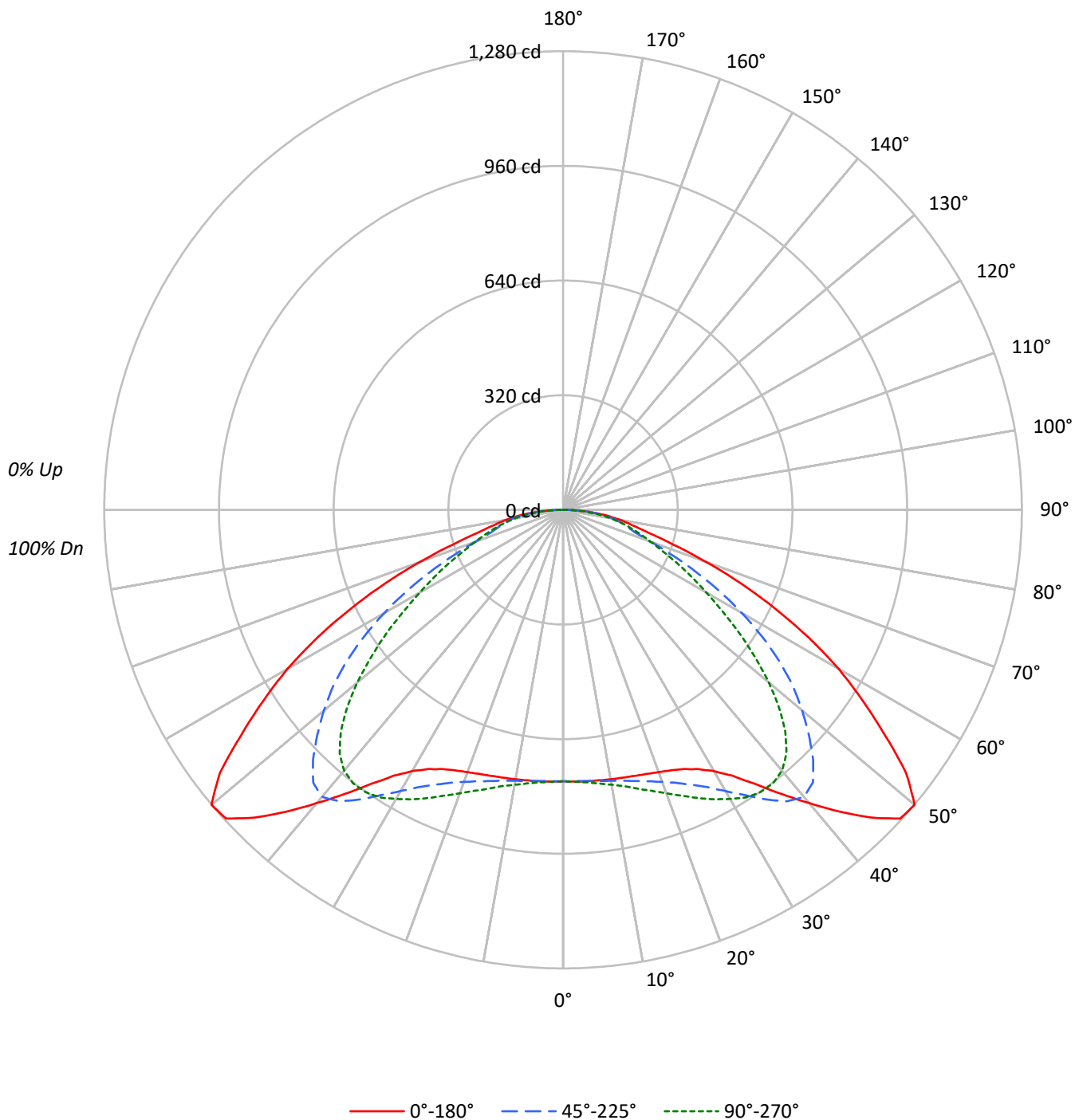
Lumens per Lamp: N/A
Luminaire Lumens: 3549.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	2039	2039	2039
5°	2054	2052	2063
10°	2087	2098	2129
15°	2142	2183	2245
20°	2231	2314	2410
25°	2370	2513	2635
30°	2615	2816	2894
35°	3066	3240	3159
40°	3753	3674	3339
45°	4622	3754	3338
50°	5360	3645	3136
55°	5142	3455	2820
60°	4778	3101	2483
65°	4162	2597	2225
70°	3329	2042	2042
75°	2555	1936	2027
80°	2507	2236	2064
85°	2519	2476	2022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	2.1
10°-20°	223.7	6.3
20°-30°	393.7	11.1
30°-40°	609.9	17.2
40°-50°	777.0	21.9
50°-60°	706.9	19.9
60°-70°	458.4	12.9
70°-80°	223.0	6.3
80°-90°	83.5	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°	690.3	19.5
0°-40°	1300.2	36.6
0°-60°	2784.0	78.4
0°-90°	3549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	760	761	760	761	764	73
15°	769	774	784	798	806	218
25°	798	815	846	876	887	372
35°	933	974	986	970	962	594
45°	1214	1140	986	900	877	933
55°	1096	962	736	635	601	979
65°	654	579	408	354	349	647
75°	246	225	186	178	195	278
85°	82	89	80	73	66	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.7	757.7	757.7	757.7	757.7
2.5°	759.1	760.1	757.7	758.2	759.6
5°	760.5	761.4	759.6	761.0	763.7
7.5°	761.4	763.3	763.3	766.5	770.2
10°	763.7	765.6	767.9	774.3	779.0
12.5°	765.6	768.8	774.3	784.9	790.0
15°	768.8	773.9	783.6	798.3	805.7
17.5°	773.0	780.3	794.2	813.5	822.3
20°	779.0	788.6	808.0	831.0	841.6
22.5°	786.8	799.7	824.6	851.8	863.3
25°	798.3	814.9	846.2	876.2	887.3
27.5°	815.8	836.6	872.5	902.5	910.8
30°	841.6	867.4	906.2	926.9	931.5
32.5°	879.9	913.1	944.0	950.9	951.8
35°	933.4	973.9	986.4	970.2	961.5
37.5°	998.8	1044.0	1025.5	977.6	961.9
40°	1068.4	1105.3	1045.8	971.6	950.4
42.5°	1142.2	1140.3	1032.0	945.3	922.3
45°	1214.5	1139.8	986.4	900.2	877.1
47.5°	1275.4	1105.3	929.7	844.4	817.2
50°	1280.4	1060.1	870.7	776.6	749.0
52.5°	1206.7	1015.4	808.4	706.6	674.8
55°	1096.1	961.5	736.5	634.7	601.0
57.5°	991.4	891.0	658.2	560.5	527.3
60°	887.7	800.2	576.1	488.6	461.4
62.5°	773.0	694.6	492.3	417.1	402.8
65°	653.6	578.9	407.9	353.5	349.4
67.5°	537.9	469.2	327.3	293.6	298.7
70°	423.1	370.6	259.5	251.7	259.5
72.5°	321.7	292.2	211.1	212.9	225.8
75°	245.7	224.9	186.2	177.5	195.0
77.5°	196.8	183.4	165.0	152.1	165.0
80°	161.8	158.6	144.3	129.1	133.2
82.5°	122.1	124.4	113.4	105.6	100.5
85°	81.6	89.0	80.2	73.3	65.5
87.5°	41.0	49.8	42.4	37.8	33.6
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	20.6	19.2	20.9	21.2	15.4	17.1	15.7	17.4	17.7
	3H	20.1	21.7	20.5	22.0	22.4	16.7	18.2	17.0	18.6	18.9
	4H	20.5	21.9	20.9	22.3	22.7	17.2	18.7	17.6	19.1	19.4
	6H	20.8	22.1	21.2	22.5	22.9	17.8	19.1	18.2	19.5	19.9
	8H	20.9	22.2	21.3	22.6	23.0	18.0	19.3	18.4	19.7	20.1
	12H	21.0	22.3	21.4	22.6	23.1	18.2	19.4	18.6	19.8	20.2
4H	2H	19.0	20.5	19.4	20.8	21.2	16.0	17.5	16.4	17.9	18.2
	3H	20.5	21.7	20.9	22.1	22.5	17.5	18.7	17.9	19.1	19.5
	4H	20.9	22.0	21.4	22.5	22.9	18.2	19.3	18.6	19.7	20.1
	6H	21.4	22.4	21.8	22.8	23.3	18.9	19.8	19.3	20.3	20.7
	8H	21.6	22.5	22.0	22.9	23.4	19.2	20.1	19.6	20.5	21.0
	12H	21.8	22.6	22.2	23.1	23.5	19.4	20.2	19.9	20.7	21.2
8H	4H	21.0	22.0	21.5	22.4	22.9	18.5	19.4	19.0	19.9	20.3
	6H	21.6	22.4	22.1	22.9	23.3	19.4	20.1	19.8	20.6	21.1
	8H	21.9	22.6	22.4	23.1	23.6	19.8	20.5	20.3	21.0	21.4
	12H	22.2	22.8	22.7	23.3	23.9	20.1	20.7	20.6	21.2	21.8
12H	4H	21.1	21.9	21.5	22.4	22.8	18.6	19.4	19.1	19.9	20.4
	6H	21.7	22.4	22.2	22.8	23.4	19.5	20.2	20.0	20.6	21.2
	8H	22.0	22.6	22.5	23.1	23.7	20.0	20.6	20.5	21.1	21.6













(END OF REPORT)