

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: P1526763

Luminaire Tested: 14CGTX-42-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526763
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-42-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

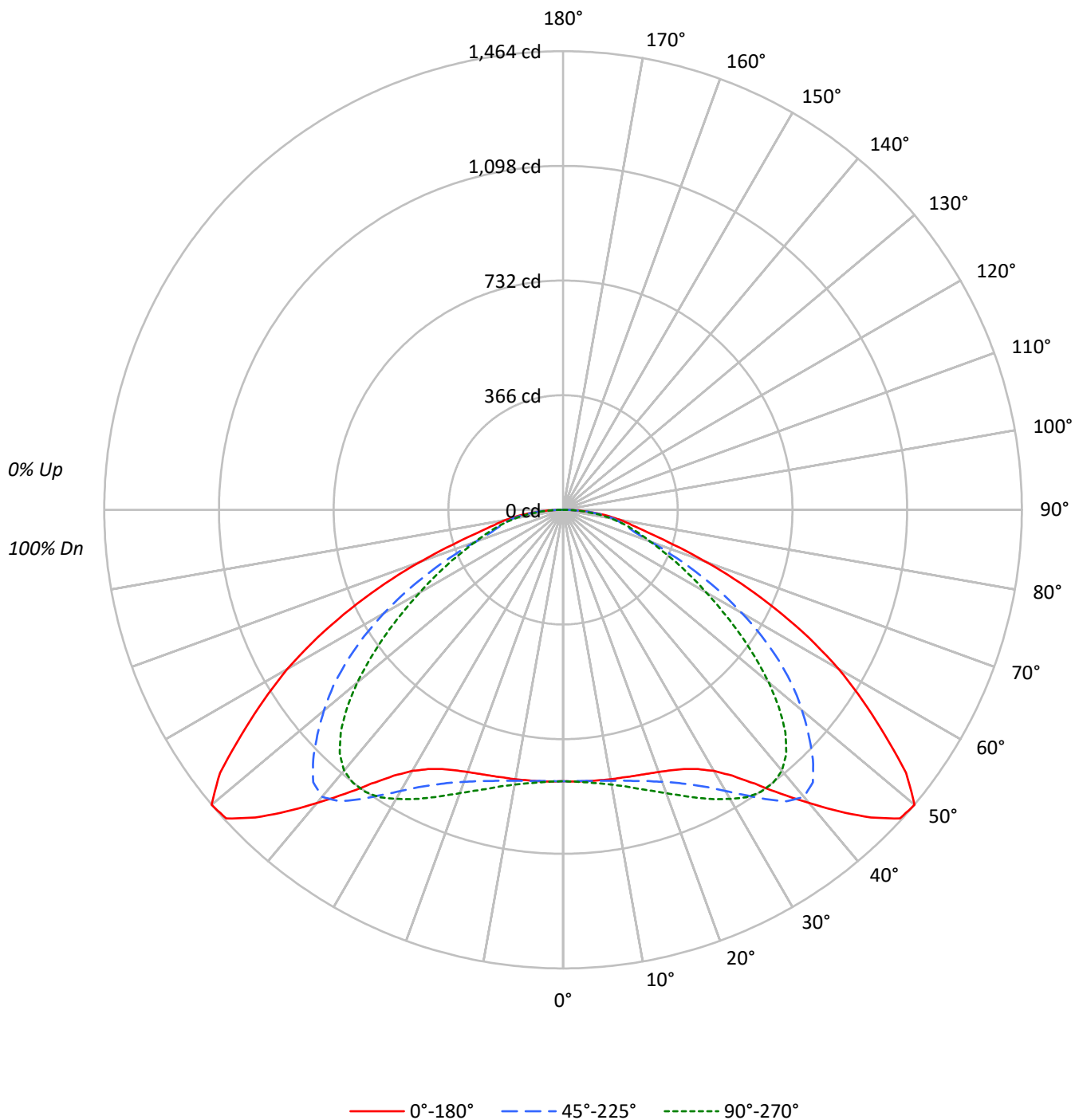
Lumens per Lamp: N/A
Luminaire Lumens: 4057.8 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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°	2331	2331	2331
5°	2349	2346	2359
10°	2386	2399	2434
15°	2449	2496	2566
20°	2550	2645	2756
25°	2710	2873	3012
30°	2990	3219	3310
35°	3506	3705	3611
40°	4291	4201	3817
45°	5284	4292	3817
50°	6129	4168	3585
55°	5879	3951	3224
60°	5463	3545	2839
65°	4758	2970	2544
70°	3806	2334	2334
75°	2921	2214	2318
80°	2867	2557	2360
85°	2881	2831	2309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 6129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	2.1
10°-20°	255.7	6.3
20°-30°	450.2	11.1
30°-40°	697.3	17.2
40°-50°	888.3	21.9
50°-60°	808.2	19.9
60°-70°	524.1	12.9
70°-80°	254.9	6.3
80°-90°	95.5	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°	789.3	19.5
0°-40°	1486.6	36.6
0°-60°	3183.2	78.4
0°-90°	4057.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4057.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	870	871	868	870	873	83
15°	879	885	896	913	921	250
25°	913	932	968	1002	1014	426
35°	1067	1114	1128	1109	1099	680
45°	1389	1303	1128	1029	1003	1067
55°	1253	1099	842	726	687	1119
65°	747	662	466	404	400	740
75°	281	257	213	203	223	318
85°	93	102	92	84	75	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.4	866.4	866.4	866.4	866.4
2.5°	868.0	869.0	866.4	866.9	868.5
5°	869.5	870.6	868.5	870.1	873.2
7.5°	870.6	872.7	872.7	876.4	880.6
10°	873.2	875.3	878.0	885.4	890.6
12.5°	875.3	879.0	885.4	897.5	903.3
15°	879.0	884.8	895.9	912.8	921.2
17.5°	883.8	892.2	908.0	930.1	940.2
20°	890.6	901.7	923.8	950.2	962.3
22.5°	899.6	914.3	942.8	973.9	987.1
25°	912.8	931.7	967.6	1001.8	1014.5
27.5°	932.8	956.5	997.6	1031.9	1041.3
30°	962.3	991.8	1036.1	1059.8	1065.1
32.5°	1006.0	1044.0	1079.3	1087.2	1088.2
35°	1067.2	1113.5	1127.8	1109.3	1099.3
37.5°	1142.0	1193.6	1172.6	1117.8	1099.8
40°	1221.6	1263.7	1195.8	1110.9	1086.7
42.5°	1305.9	1303.8	1179.9	1080.9	1054.5
45°	1388.6	1303.3	1127.8	1029.2	1002.9
47.5°	1458.2	1263.7	1063.0	965.5	934.4
50°	1464.0	1212.1	995.5	888.0	856.4
52.5°	1379.7	1161.0	924.4	807.9	771.5
55°	1253.2	1099.3	842.1	725.7	687.2
57.5°	1133.6	1018.7	752.6	640.8	602.9
60°	1015.0	914.9	658.7	558.6	527.5
62.5°	883.8	794.2	562.8	476.9	460.6
65°	747.3	661.9	466.4	404.2	399.5
67.5°	615.0	536.5	374.2	335.7	341.5
70°	483.8	423.7	296.7	287.7	296.7
72.5°	367.8	334.1	241.4	243.5	258.2
75°	280.9	257.2	212.9	202.9	222.9
77.5°	225.0	209.7	188.7	173.9	188.7
80°	185.0	181.3	165.0	147.6	152.3
82.5°	139.7	142.3	129.6	120.7	114.9
85°	93.3	101.7	91.7	83.8	74.8
87.5°	46.9	56.9	48.5	43.2	38.5
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	19.3	21.0	19.7	21.3	21.7	15.8	17.6	16.2	17.9	18.2
	3H	20.6	22.1	21.0	22.5	22.8	17.1	18.7	17.5	19.0	19.4
	4H	20.9	22.4	21.3	22.8	23.1	17.7	19.2	18.1	19.5	19.9
	6H	21.2	22.6	21.6	23.0	23.4	18.2	19.6	18.7	20.0	20.4
	8H	21.4	22.7	21.8	23.1	23.5	18.5	19.8	18.9	20.2	20.6
	12H	21.5	22.7	21.9	23.1	23.5	18.6	19.9	19.1	20.3	20.7
4H	2H	19.5	20.9	19.9	21.3	21.7	16.5	18.0	16.9	18.3	18.7
	3H	20.9	22.2	21.3	22.6	23.0	18.0	19.2	18.4	19.6	20.0
	4H	21.4	22.5	21.8	22.9	23.4	18.6	19.7	19.1	20.2	20.6
	6H	21.9	22.8	22.3	23.3	23.7	19.3	20.3	19.8	20.7	21.2
	8H	22.1	23.0	22.5	23.4	23.9	19.6	20.5	20.1	21.0	21.4
	12H	22.2	23.1	22.7	23.5	24.0	19.9	20.7	20.3	21.2	21.6
8H	4H	21.5	22.4	22.0	22.9	23.3	19.0	19.9	19.4	20.3	20.8
	6H	22.1	22.9	22.6	23.3	23.8	19.8	20.6	20.3	21.1	21.5
	8H	22.4	23.1	22.9	23.6	24.1	20.2	20.9	20.7	21.4	21.9
	12H	22.7	23.3	23.2	23.8	24.3	20.6	21.2	21.1	21.7	22.2
12H	4H	21.5	22.3	22.0	22.8	23.3	19.0	19.9	19.5	20.3	20.8
	6H	22.1	22.8	22.6	23.3	23.8	20.0	20.6	20.5	21.1	21.6
	8H	22.5	23.1	23.0	23.6	24.1	20.4	21.0	20.9	21.5	22.1













(END OF REPORT)