

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: P1526764

Luminaire Tested: 14CGTX-42-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526764
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

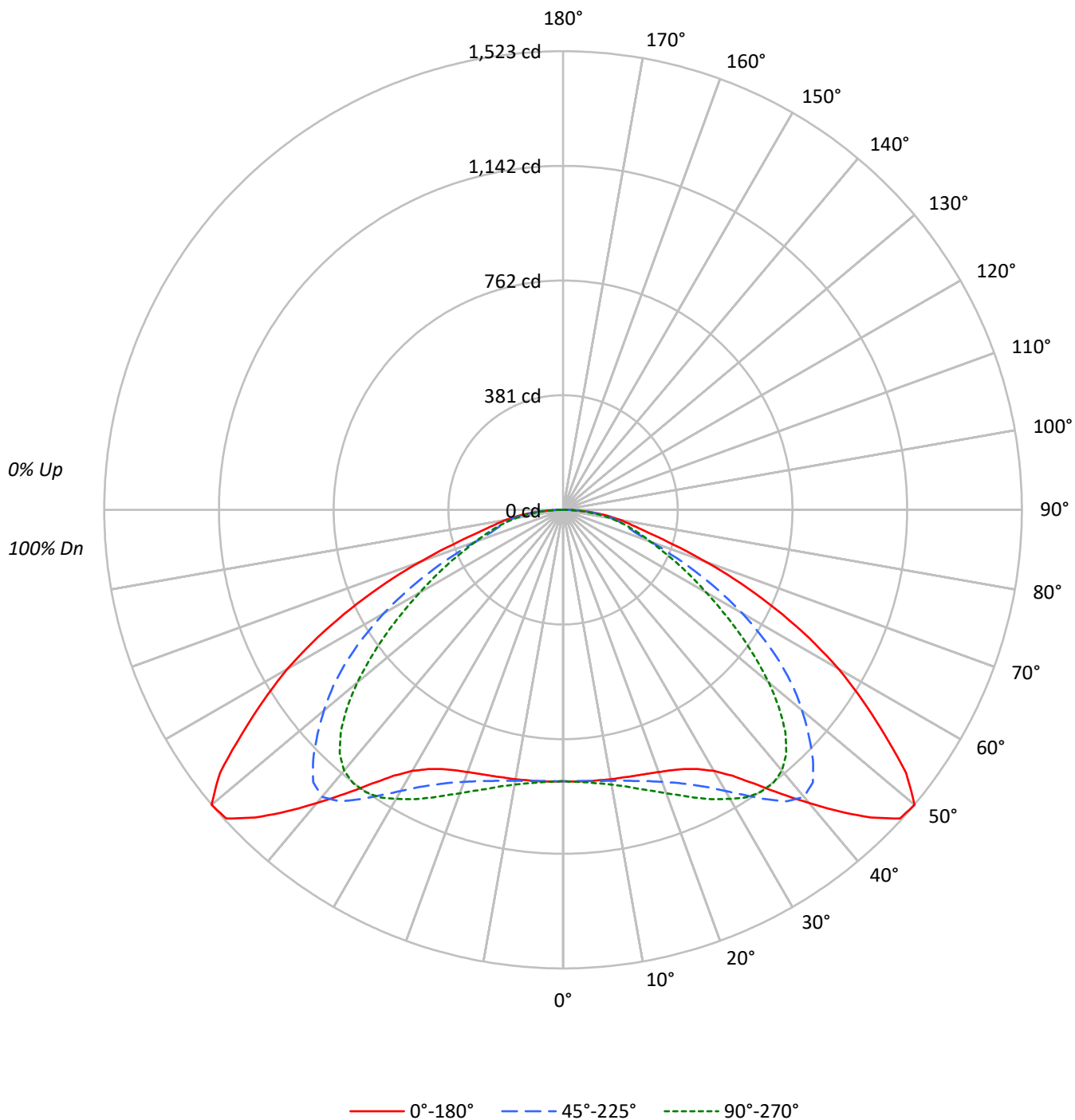
Lumens per Lamp: N/A
Luminaire Lumens: 4221.7 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2426	2426	2426
5°	2444	2441	2454
10°	2482	2496	2532
15°	2548	2597	2670
20°	2653	2753	2867
25°	2820	2989	3134
30°	3111	3349	3443
35°	3647	3854	3757
40°	4464	4370	3972
45°	5498	4465	3971
50°	6376	4336	3730
55°	6117	4111	3354
60°	5683	3689	2954
65°	4951	3089	2646
70°	3960	2429	2429
75°	3038	2303	2411
80°	2982	2659	2456
85°	2995	2946	2405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	2.1
10°-20°	266.1	6.3
20°-30°	468.3	11.1
30°-40°	725.5	17.2
40°-50°	924.2	21.9
50°-60°	840.9	19.9
60°-70°	545.3	12.9
70°-80°	265.2	6.3
80°-90°	99.4	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°	821.2	19.5
0°-40°	1546.6	36.6
0°-60°	3311.8	78.4
0°-90°	4221.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4221.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	901	901	901	901	901	
5°	905	906	904	905	908	86
15°	914	921	932	950	958	260
25°	950	969	1007	1042	1056	443
35°	1110	1158	1173	1154	1144	707
45°	1445	1356	1173	1071	1043	1110
55°	1304	1144	876	755	715	1164
65°	778	689	485	420	416	770
75°	292	268	222	211	232	331
85°	97	106	95	87	78	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.4	901.4	901.4	901.4	901.4
2.5°	903.0	904.1	901.4	901.9	903.6
5°	904.7	905.8	903.6	905.2	908.5
7.5°	905.8	908.0	908.0	911.8	916.2
10°	908.5	910.7	913.5	921.1	926.6
12.5°	910.7	914.5	921.1	933.7	939.8
15°	914.5	920.6	932.1	949.6	958.4
17.5°	919.5	928.3	944.7	967.7	978.1
20°	926.6	938.1	961.2	988.6	1001.2
22.5°	935.9	951.3	980.9	1013.2	1026.9
25°	949.6	969.4	1006.7	1042.3	1055.5
27.5°	970.5	995.1	1037.9	1073.6	1083.4
30°	1001.2	1031.9	1077.9	1102.6	1108.1
32.5°	1046.7	1086.2	1122.9	1131.1	1132.2
35°	1110.3	1158.5	1173.3	1154.1	1143.7
37.5°	1188.1	1241.9	1219.9	1162.9	1144.3
40°	1270.9	1314.8	1244.1	1155.8	1130.6
42.5°	1358.7	1356.5	1227.6	1124.5	1097.1
45°	1444.7	1355.9	1173.3	1070.8	1043.4
47.5°	1517.1	1314.8	1105.9	1004.5	972.1
50°	1523.1	1261.1	1035.7	923.9	891.0
52.5°	1435.4	1207.9	961.7	840.5	802.7
55°	1303.8	1143.7	876.2	755.0	715.0
57.5°	1179.4	1059.8	783.0	666.7	627.2
60°	1056.0	951.8	685.4	581.2	548.8
62.5°	919.5	826.3	585.6	496.2	479.2
65°	777.5	688.7	485.2	420.5	415.6
67.5°	639.9	558.2	389.3	349.3	355.3
70°	503.3	440.8	308.7	299.4	308.7
72.5°	382.7	347.6	251.1	253.3	268.7
75°	292.2	267.6	221.5	211.1	231.9
77.5°	234.1	218.2	196.3	180.9	196.3
80°	192.4	188.6	171.6	153.5	158.5
82.5°	145.3	148.0	134.9	125.6	119.5
85°	97.0	105.8	95.4	87.2	77.9
87.5°	48.8	59.2	50.4	45.0	40.0
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	19.4	21.2	19.8	21.5	21.8	16.0	17.7	16.4	18.0	18.3
	3H	20.7	22.3	21.1	22.6	23.0	17.3	18.8	17.6	19.2	19.5
	4H	21.1	22.5	21.5	22.9	23.3	17.8	19.3	18.2	19.7	20.0
	6H	21.4	22.7	21.8	23.1	23.5	18.4	19.8	18.8	20.1	20.5
	8H	21.5	22.8	21.9	23.2	23.6	18.6	19.9	19.0	20.3	20.7
	12H	21.6	22.9	22.0	23.2	23.7	18.8	20.0	19.2	20.4	20.8
4H	2H	19.6	21.1	20.0	21.4	21.8	16.6	18.1	17.0	18.5	18.8
	3H	21.1	22.3	21.5	22.7	23.1	18.1	19.3	18.5	19.7	20.1
	4H	21.5	22.7	22.0	23.1	23.5	18.8	19.9	19.2	20.3	20.7
	6H	22.0	23.0	22.4	23.4	23.9	19.5	20.4	19.9	20.9	21.3
	8H	22.2	23.1	22.7	23.5	24.0	19.8	20.7	20.2	21.1	21.6
	12H	22.4	23.2	22.9	23.7	24.1	20.0	20.8	20.5	21.3	21.8
8H	4H	21.6	22.6	22.1	23.0	23.5	19.1	20.0	19.6	20.5	20.9
	6H	22.2	23.0	22.7	23.5	23.9	20.0	20.7	20.4	21.2	21.7
	8H	22.5	23.2	23.0	23.7	24.2	20.4	21.1	20.9	21.6	22.0
	12H	22.8	23.4	23.3	23.9	24.5	20.7	21.3	21.2	21.8	22.4
12H	4H	21.7	22.5	22.1	23.0	23.4	19.2	20.0	19.7	20.5	21.0
	6H	22.3	23.0	22.8	23.4	24.0	20.1	20.8	20.6	21.2	21.8
	8H	22.6	23.2	23.1	23.7	24.3	20.6	21.2	21.1	21.7	22.2















(END OF REPORT)