

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: P1526897

Luminaire Tested: 24CGTX-40HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-40HE-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

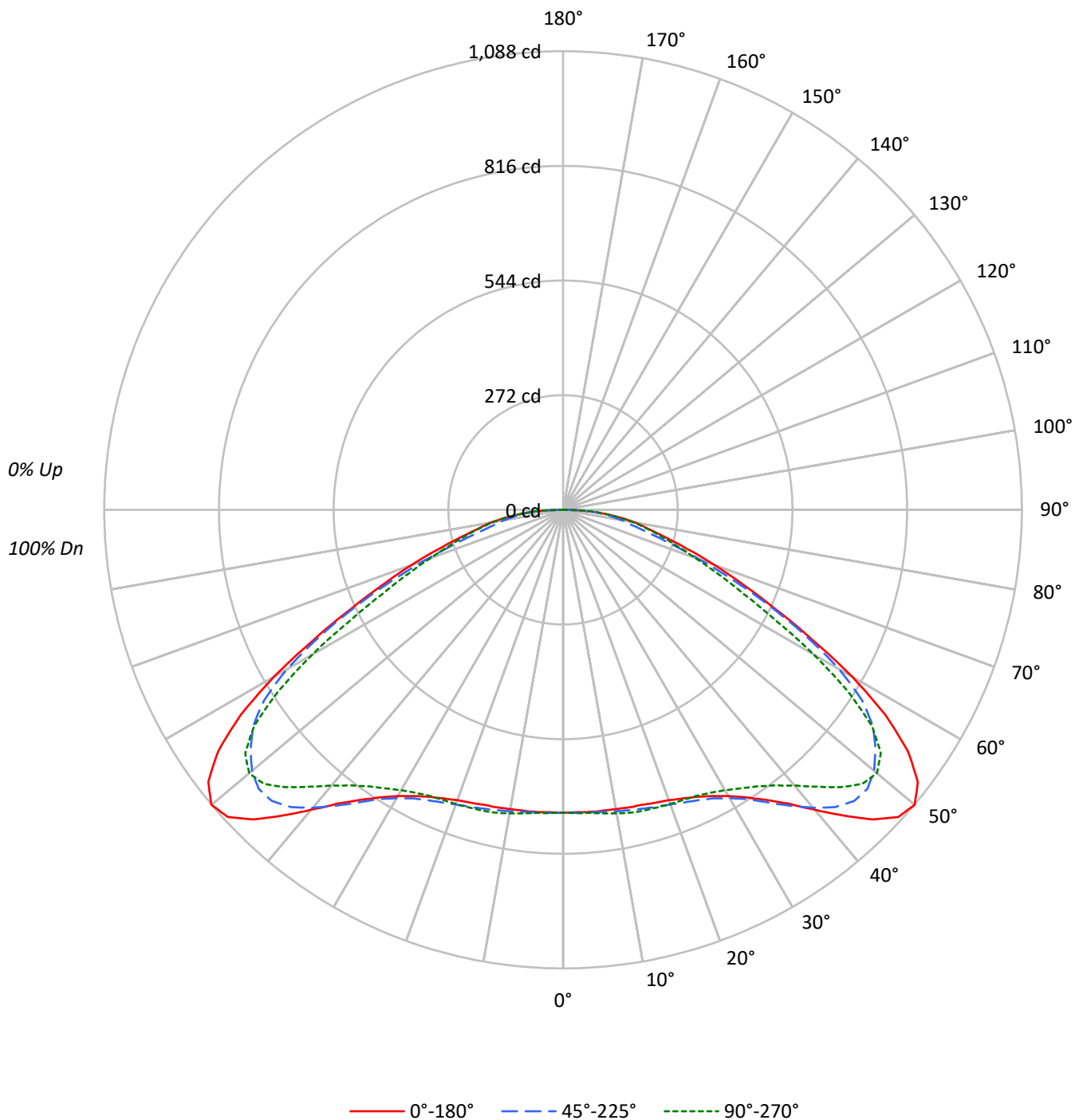
Lumens per Lamp: N/A
Luminaire Lumens: 3587.9 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.9
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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82						
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66						
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54						
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44						
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37						
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31						
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27						
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23						
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20						
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	967	967	967
5°	972	973	975
10°	985	992	999
15°	1009	1022	1029
20°	1050	1065	1063
25°	1115	1128	1111
30°	1218	1227	1193
35°	1380	1392	1315
40°	1631	1620	1499
45°	1976	1858	1771
50°	2278	2016	2034
55°	2342	2106	2099
60°	2128	2034	1847
65°	1760	1728	1507
70°	1503	1354	1310
75°	1302	1079	1240
80°	1347	1093	1305
85°	1362	1314	1448

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.9
10°-20°	208.0	5.8
20°-30°	351.4	9.8
30°-40°	529.0	14.7
40°-50°	752.2	21.0
50°-60°	807.2	22.5
60°-70°	526.1	14.7
70°-80°	253.0	7.1
80°-90°	92.1	2.6
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°	628.4	17.5
0°-40°	1157.4	32.3
0°-60°	2716.8	75.7
0°-90°	3587.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3587.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	719	720	721	723	722	69
15°	724	728	734	738	739	206
25°	751	758	760	753	749	350
35°	840	856	847	819	801	533
45°	1039	1013	977	951	931	797
55°	998	973	898	872	895	873
65°	553	548	543	485	473	559
75°	250	237	208	236	238	275
85°	88	83	85	88	94	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	718.7	718.7	718.7	718.7	718.7
2.5°	718.1	718.7	719.4	720.0	720.0
5°	719.4	720.0	720.6	723.1	721.9
7.5°	720.0	720.6	722.5	726.2	726.2
10°	720.6	722.5	726.2	729.9	731.2
12.5°	723.1	725.0	729.9	734.9	736.1
15°	724.3	728.1	733.7	738.0	738.6
17.5°	728.7	732.4	738.6	740.5	740.5
20°	733.0	738.0	743.6	743.6	742.4
22.5°	741.1	746.7	751.1	747.3	744.8
25°	751.1	757.9	759.8	752.9	748.6
27.5°	765.3	774.0	771.6	762.2	756.6
30°	784.0	795.2	789.6	775.9	767.8
32.5°	808.8	822.5	813.2	795.8	783.4
35°	839.9	856.0	847.3	818.8	800.8
37.5°	878.4	895.2	884.6	848.0	823.7
40°	928.7	937.4	922.5	882.8	853.6
42.5°	983.4	979.0	956.1	919.4	890.8
45°	1038.7	1013.2	976.6	951.1	930.6
47.5°	1078.4	1031.2	979.0	966.0	962.3
50°	1088.4	1027.5	962.9	957.9	971.6
52.5°	1060.4	1007.6	933.7	925.0	949.8
55°	998.3	972.8	897.7	871.6	894.6
57.5°	907.0	905.1	840.5	793.9	800.1
60°	790.8	798.3	756.0	690.2	686.4
62.5°	665.3	669.7	651.0	582.7	569.7
65°	552.9	548.5	542.9	484.6	473.4
67.5°	460.3	447.3	438.6	403.2	397.6
70°	382.0	361.5	344.2	338.6	333.0
72.5°	309.4	294.5	266.5	282.0	281.4
75°	250.4	236.7	207.5	236.1	238.5
77.5°	205.0	195.7	167.7	193.8	201.9
80°	173.9	154.7	141.0	157.8	168.4
82.5°	132.9	118.0	114.9	121.8	131.7
85°	88.2	82.6	85.1	87.6	93.8
87.5°	44.7	47.8	51.6	55.9	59.0
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	16.3	18.1	16.6	18.4	18.7	15.4	17.1	15.7	17.5	17.8
	3H	17.4	19.0	17.8	19.3	19.7	16.5	18.1	16.9	18.4	18.8
	4H	17.8	19.3	18.2	19.6	20.0	17.0	18.5	17.4	18.8	19.2
	6H	18.1	19.6	18.5	19.9	20.3	17.4	18.8	17.8	19.2	19.6
	8H	18.3	19.6	18.7	20.0	20.4	17.6	19.0	18.0	19.3	19.7
	12H	18.4	19.7	18.9	20.1	20.5	17.8	19.1	18.2	19.5	19.9
4H	2H	16.7	18.2	17.1	18.6	18.9	15.9	17.5	16.3	17.8	18.2
	3H	18.0	19.3	18.4	19.6	20.0	17.2	18.5	17.7	18.9	19.3
	4H	18.5	19.6	18.9	20.0	20.5	17.8	19.0	18.3	19.4	19.8
	6H	19.0	20.0	19.4	20.4	20.9	18.4	19.4	18.9	19.9	20.3
	8H	19.2	20.1	19.6	20.6	21.0	18.7	19.6	19.1	20.1	20.5
	12H	19.4	20.2	19.9	20.7	21.2	18.9	19.8	19.4	20.3	20.7
8H	4H	18.6	19.6	19.1	20.0	20.5	18.0	19.0	18.5	19.4	19.9
	6H	19.2	20.0	19.7	20.5	21.0	18.7	19.5	19.2	20.0	20.5
	8H	19.5	20.3	20.0	20.8	21.2	19.1	19.8	19.6	20.3	20.8
	12H	19.8	20.5	20.3	21.0	21.5	19.5	20.1	20.0	20.6	21.1
12H	4H	18.7	19.5	19.1	20.0	20.5	18.1	18.9	18.6	19.4	19.9
	6H	19.3	20.0	19.8	20.5	21.0	18.8	19.5	19.3	20.0	20.5
	8H	19.6	20.3	20.1	20.8	21.3	19.2	19.9	19.7	20.4	20.9













(END OF REPORT)