

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: P1526896

Luminaire Tested: 24CGTX-40HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526896
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

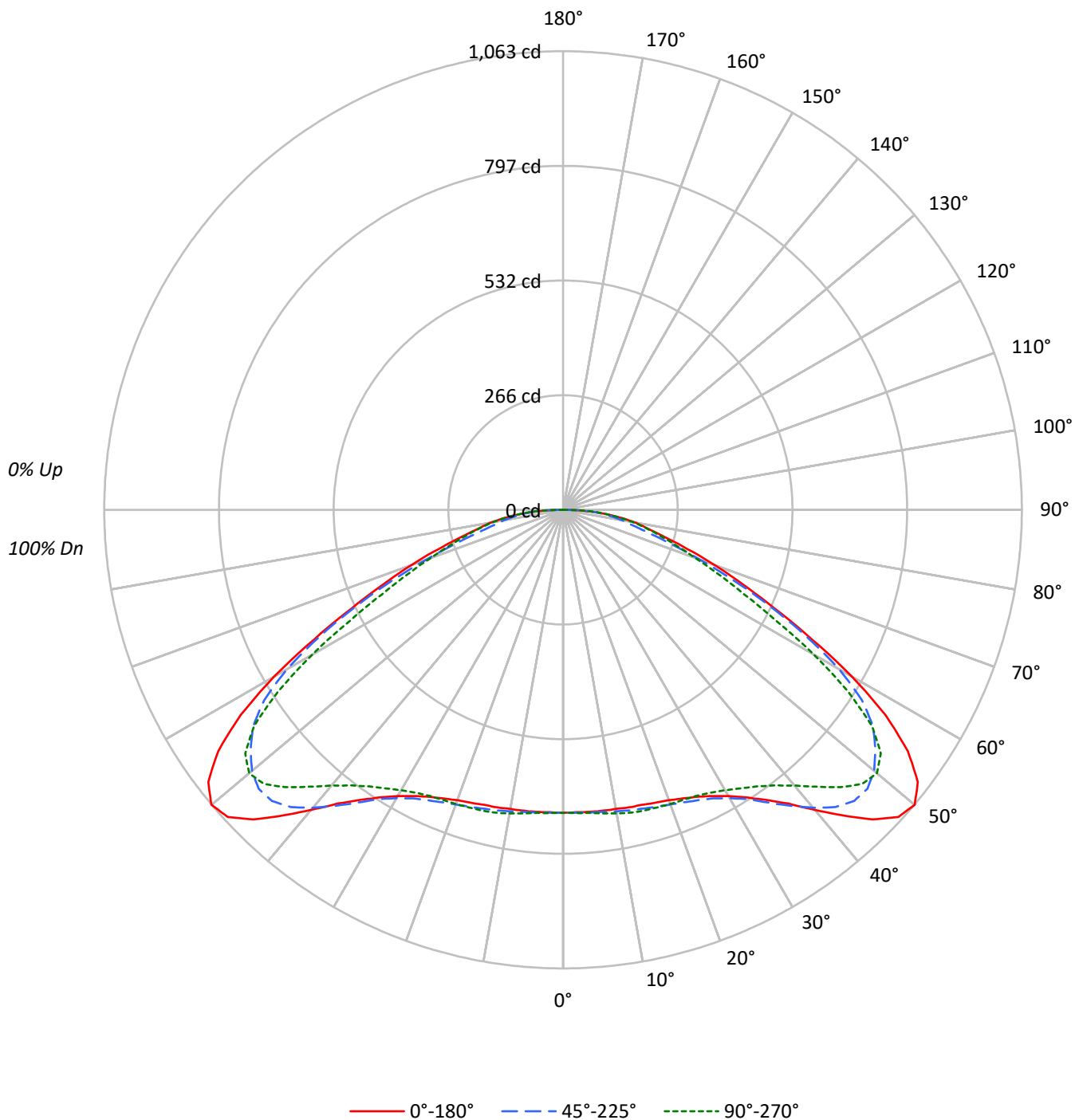
Lumens per Lamp: N/A
Luminaire Lumens: 3505.4 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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	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°	945	945	945
5°	949	951	953
10°	962	969	976
15°	986	998	1005
20°	1025	1040	1039
25°	1089	1102	1086
30°	1190	1198	1166
35°	1348	1360	1285
40°	1594	1583	1465
45°	1931	1815	1730
50°	2226	1969	1987
55°	2288	2057	2050
60°	2079	1988	1805
65°	1720	1689	1472
70°	1469	1323	1280
75°	1272	1054	1212
80°	1316	1068	1275
85°	1331	1284	1414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2290 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.9
10°-20°	203.2	5.8
20°-30°	343.3	9.8
30°-40°	516.8	14.7
40°-50°	734.9	21.0
50°-60°	788.7	22.5
60°-70°	514.0	14.7
70°-80°	247.1	7.1
80°-90°	90.0	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°	613.9	17.5
0°-40°	1130.8	32.3
0°-60°	2654.4	75.7
0°-90°	3505.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3505.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	703	703	704	706	705	67
15°	708	711	717	721	722	201
25°	734	740	742	736	731	342
35°	821	836	828	800	782	521
45°	1015	990	954	929	909	779
55°	975	950	877	852	874	853
65°	540	536	530	473	462	547
75°	245	231	203	231	233	269
85°	86	81	83	86	92	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.2	702.2	702.2	702.2	702.2
2.5°	701.6	702.2	702.8	703.4	703.4
5°	702.8	703.4	704.0	706.5	705.3
7.5°	703.4	704.0	705.9	709.5	709.5
10°	704.0	705.9	709.5	713.2	714.4
12.5°	706.5	708.3	713.2	718.0	719.2
15°	707.7	711.3	716.8	721.0	721.6
17.5°	711.9	715.6	721.6	723.5	723.5
20°	716.2	721.0	726.5	726.5	725.3
22.5°	724.1	729.5	733.8	730.1	727.7
25°	733.8	740.5	742.3	735.6	731.4
27.5°	747.7	756.2	753.8	744.7	739.2
30°	766.0	776.9	771.4	758.1	750.2
32.5°	790.2	803.6	794.5	777.5	765.3
35°	820.6	836.4	827.9	799.9	782.3
37.5°	858.2	874.6	864.3	828.5	804.8
40°	907.4	915.9	901.3	862.5	833.9
42.5°	960.8	956.5	934.1	898.3	870.3
45°	1014.8	989.9	954.1	929.2	909.2
47.5°	1053.6	1007.5	956.5	943.8	940.1
50°	1063.4	1003.9	940.8	935.9	949.3
52.5°	1036.0	984.5	912.2	903.7	928.0
55°	975.3	950.5	877.0	851.5	874.0
57.5°	886.1	884.3	821.2	775.7	781.7
60°	772.6	779.9	738.6	674.3	670.7
62.5°	650.0	654.3	636.1	569.3	556.6
65°	540.2	535.9	530.5	473.4	462.5
67.5°	449.7	437.0	428.5	393.9	388.4
70°	373.3	353.2	336.2	330.8	325.3
72.5°	302.3	287.7	260.4	275.5	274.9
75°	244.6	231.2	202.7	230.6	233.1
77.5°	200.3	191.2	163.9	189.4	197.3
80°	169.9	151.1	137.8	154.2	164.5
82.5°	129.9	115.3	112.3	119.0	128.7
85°	86.2	80.7	83.2	85.6	91.6
87.5°	43.7	46.7	50.4	54.6	57.7
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	16.2	18.0	16.6	18.3	18.6	15.3	17.1	15.7	17.4	17.7
	3H	17.3	18.9	17.7	19.2	19.6	16.4	18.0	16.8	18.4	18.7
	4H	17.7	19.2	18.1	19.6	19.9	16.9	18.4	17.3	18.8	19.1
	6H	18.1	19.5	18.5	19.8	20.2	17.3	18.7	17.7	19.1	19.5
	8H	18.2	19.6	18.6	20.0	20.4	17.5	18.9	17.9	19.3	19.7
	12H	18.3	19.6	18.8	20.0	20.5	17.7	19.0	18.1	19.4	19.8
4H	2H	16.6	18.1	17.0	18.5	18.9	15.9	17.4	16.2	17.7	18.1
	3H	17.9	19.2	18.3	19.6	20.0	17.2	18.5	17.6	18.8	19.2
	4H	18.4	19.6	18.8	20.0	20.4	17.8	18.9	18.2	19.3	19.8
	6H	18.9	19.9	19.3	20.3	20.8	18.3	19.3	18.8	19.8	20.2
	8H	19.1	20.1	19.6	20.5	21.0	18.6	19.5	19.0	20.0	20.4
	12H	19.3	20.2	19.8	20.6	21.1	18.8	19.7	19.3	20.2	20.6
8H	4H	18.6	19.5	19.0	19.9	20.4	18.0	18.9	18.4	19.4	19.8
	6H	19.2	20.0	19.6	20.4	20.9	18.7	19.5	19.2	19.9	20.4
	8H	19.5	20.2	20.0	20.7	21.2	19.0	19.7	19.5	20.2	20.7
	12H	19.7	20.4	20.2	20.9	21.4	19.4	20.0	19.9	20.5	21.1
12H	4H	18.6	19.4	19.1	19.9	20.4	18.0	18.9	18.5	19.3	19.8
	6H	19.2	19.9	19.7	20.4	20.9	18.7	19.5	19.3	19.9	20.5
	8H	19.6	20.2	20.1	20.7	21.2	19.1	19.8	19.6	20.3	20.8















(END OF REPORT)