

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: P1526895

Luminaire Tested: 24CGTX-40HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526895
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

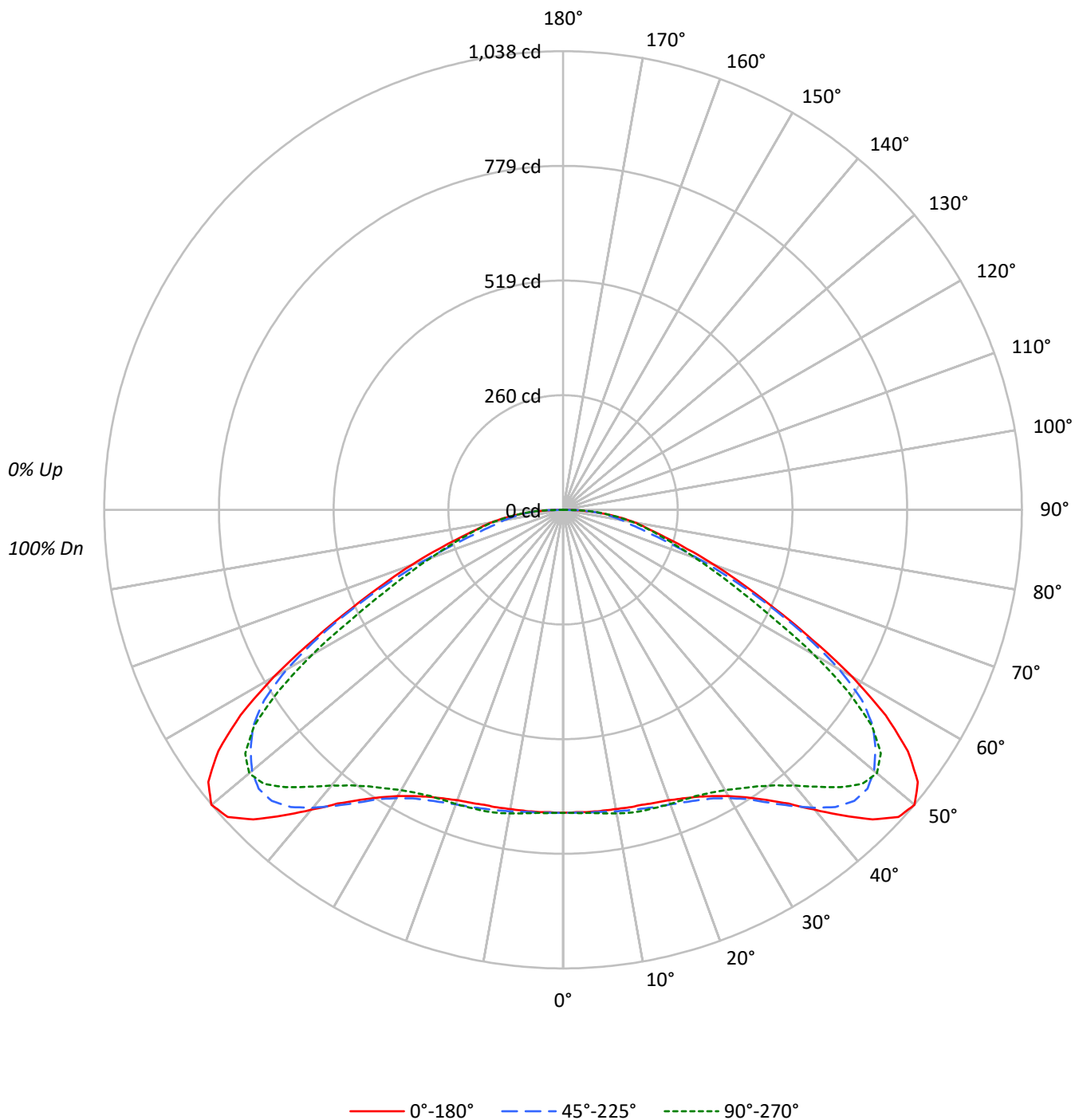
Lumens per Lamp: N/A
Luminaire Lumens: 3422.9 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	923	923	923
5°	927	929	930
10°	939	947	953
15°	963	975	982
20°	1001	1016	1014
25°	1064	1076	1060
30°	1162	1170	1138
35°	1316	1328	1255
40°	1556	1546	1430
45°	1885	1773	1689
50°	2173	1923	1940
55°	2234	2009	2002
60°	2030	1941	1762
65°	1679	1649	1438
70°	1434	1292	1250
75°	1241	1029	1183
80°	1285	1042	1244
85°	1300	1254	1382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2236 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	1.9
10°-20°	198.5	5.8
20°-30°	335.2	9.8
30°-40°	504.7	14.7
40°-50°	717.6	21.0
50°-60°	770.1	22.5
60°-70°	501.9	14.7
70°-80°	241.3	7.0
80°-90°	87.8	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°	599.5	17.5
0°-40°	1104.2	32.3
0°-60°	2591.9	75.7
0°-90°	3422.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3422.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	686	686	686	686	686	
5°	686	687	688	690	689	66
15°	691	695	700	704	705	196
25°	716	723	725	718	714	334
35°	801	817	808	781	764	509
45°	991	967	932	907	888	761
55°	952	928	856	832	853	833
65°	528	523	518	462	452	534
75°	239	226	198	225	228	262
85°	84	79	81	84	90	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	685.7	685.7	685.7	685.7	685.7
2.5°	685.1	685.7	686.3	686.9	686.9
5°	686.3	686.9	687.5	689.9	688.7
7.5°	686.9	687.5	689.3	692.8	692.8
10°	687.5	689.3	692.8	696.4	697.6
12.5°	689.9	691.6	696.4	701.1	702.3
15°	691.0	694.6	699.9	704.1	704.7
17.5°	695.2	698.7	704.7	706.4	706.4
20°	699.3	704.1	709.4	709.4	708.2
22.5°	707.0	712.4	716.5	713.0	710.6
25°	716.5	723.0	724.8	718.3	714.2
27.5°	730.2	738.5	736.1	727.2	721.9
30°	747.9	758.6	753.3	740.2	732.5
32.5°	771.6	784.7	775.8	759.2	747.3
35°	801.3	816.7	808.4	781.1	763.9
37.5°	838.0	854.0	843.9	809.0	785.9
40°	886.0	894.3	880.1	842.2	814.3
42.5°	938.2	934.0	912.1	877.1	849.9
45°	990.9	966.6	931.7	907.4	887.8
47.5°	1028.9	983.8	934.0	921.6	918.0
50°	1038.3	980.3	918.6	913.9	926.9
52.5°	1011.7	961.3	890.8	882.5	906.2
55°	952.4	928.1	856.4	831.5	853.4
57.5°	865.3	863.5	801.9	757.4	763.3
60°	754.5	761.6	721.3	658.4	654.9
62.5°	634.7	638.9	621.1	555.9	543.5
65°	527.5	523.3	518.0	462.3	451.6
67.5°	439.2	426.7	418.4	384.6	379.3
70°	364.5	344.9	328.3	323.0	317.7
72.5°	295.1	280.9	254.2	269.1	268.5
75°	238.8	225.8	197.9	225.2	227.6
77.5°	195.6	186.7	160.0	184.9	192.6
80°	165.9	147.6	134.5	150.5	160.6
82.5°	126.8	112.6	109.6	116.2	125.6
85°	84.2	78.8	81.2	83.6	89.5
87.5°	42.7	45.6	49.2	53.3	56.3
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	16.1	17.9	16.5	18.2	18.5	15.2	17.0	15.6	17.3	17.6
	3H	17.2	18.8	17.6	19.2	19.5	16.3	18.0	16.7	18.3	18.6
	4H	17.6	19.1	18.0	19.5	19.9	16.8	18.3	17.2	18.7	19.0
	6H	18.0	19.4	18.4	19.7	20.1	17.2	18.7	17.7	19.0	19.4
	8H	18.1	19.5	18.5	19.9	20.3	17.4	18.8	17.9	19.2	19.6
	12H	18.3	19.6	18.7	19.9	20.4	17.6	18.9	18.0	19.3	19.7
4H	2H	16.5	18.1	16.9	18.4	18.8	15.8	17.3	16.2	17.6	18.0
	3H	17.8	19.1	18.2	19.5	19.9	17.1	18.4	17.5	18.8	19.2
	4H	18.3	19.5	18.7	19.9	20.3	17.7	18.8	18.1	19.2	19.7
	6H	18.8	19.8	19.3	20.3	20.7	18.2	19.3	18.7	19.7	20.2
	8H	19.0	20.0	19.5	20.4	20.9	18.5	19.5	19.0	19.9	20.4
	12H	19.2	20.1	19.7	20.6	21.0	18.8	19.6	19.2	20.1	20.6
8H	4H	18.5	19.4	18.9	19.9	20.3	17.9	18.8	18.3	19.3	19.7
	6H	19.1	19.9	19.6	20.4	20.8	18.6	19.4	19.1	19.9	20.3
	8H	19.4	20.1	19.9	20.6	21.1	18.9	19.7	19.4	20.2	20.6
	12H	19.7	20.3	20.2	20.8	21.3	19.3	19.9	19.8	20.4	21.0
12H	4H	18.5	19.4	19.0	19.8	20.3	17.9	18.8	18.4	19.2	19.7
	6H	19.1	19.9	19.6	20.3	20.8	18.7	19.4	19.2	19.8	20.4
	8H	19.5	20.1	20.0	20.6	21.2	19.1	19.7	19.6	20.2	20.7













(END OF REPORT)