

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: P1526889

Luminaire Tested: 24CGTX-40-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526889
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-40-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

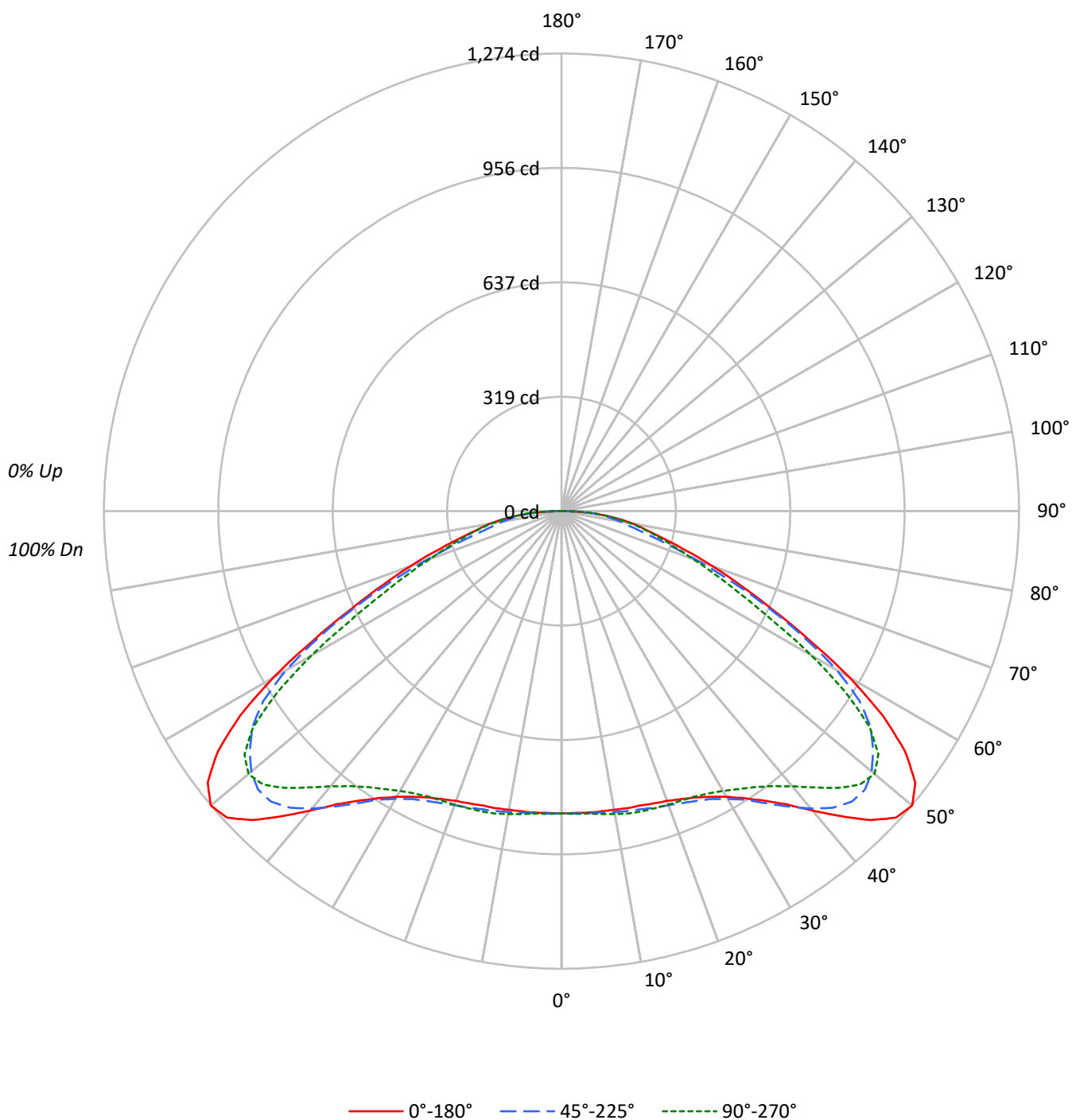
Lumens per Lamp: N/A
Luminaire Lumens: 4201.6 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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°	1132	1132	1132
5°	1138	1140	1142
10°	1153	1162	1170
15°	1182	1197	1205
20°	1229	1247	1245
25°	1306	1321	1301
30°	1426	1436	1397
35°	1615	1630	1540
40°	1910	1897	1756
45°	2314	2176	2073
50°	2668	2360	2382
55°	2742	2466	2457
60°	2492	2382	2163
65°	2061	2024	1765
70°	1760	1585	1534
75°	1524	1263	1452
80°	1578	1279	1527
85°	1595	1539	1695

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.9
10°-20°	243.6	5.8
20°-30°	411.5	9.8
30°-40°	619.5	14.7
40°-50°	880.8	21.0
50°-60°	945.3	22.5
60°-70°	616.1	14.7
70°-80°	296.2	7.1
80°-90°	107.8	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°	735.9	17.5
0°-40°	1355.3	32.3
0°-60°	3181.5	75.7
0°-90°	4201.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4201.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	842	843	844	847	845	80
15°	848	853	859	864	865	241
25°	880	888	890	882	877	409
35°	984	1002	992	959	938	624
45°	1216	1186	1144	1114	1090	934
55°	1169	1139	1051	1021	1048	1023
65°	647	642	636	567	554	655
75°	293	277	243	276	279	322
85°	103	97	100	103	110	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.7	841.7	841.7	841.7	841.7
2.5°	841.0	841.7	842.4	843.1	843.1
5°	842.4	843.1	843.9	846.8	845.3
7.5°	843.1	843.9	846.0	850.4	850.4
10°	843.9	846.0	850.4	854.8	856.2
12.5°	846.8	849.0	854.8	860.6	862.0
15°	848.2	852.6	859.1	864.2	865.0
17.5°	853.3	857.7	865.0	867.1	867.1
20°	858.4	864.2	870.8	870.8	869.3
22.5°	867.9	874.4	879.5	875.1	872.2
25°	879.5	887.5	889.7	881.7	876.6
27.5°	896.2	906.4	903.5	892.6	886.1
30°	918.1	931.2	924.6	908.6	899.1
32.5°	947.2	963.2	952.3	931.9	917.3
35°	983.5	1002.4	992.3	958.8	937.7
37.5°	1028.6	1048.3	1035.9	993.0	964.6
40°	1087.6	1097.7	1080.3	1033.7	999.5
42.5°	1151.6	1146.5	1119.6	1076.7	1043.2
45°	1216.3	1186.5	1143.6	1113.8	1089.7
47.5°	1262.9	1207.6	1146.5	1131.2	1126.8
50°	1274.5	1203.2	1127.6	1121.8	1137.8
52.5°	1241.8	1180.0	1093.4	1083.2	1112.3
55°	1169.0	1139.2	1051.2	1020.6	1047.6
57.5°	1062.1	1059.9	984.3	929.7	937.0
60°	926.1	934.8	885.3	808.2	803.9
62.5°	779.1	784.2	762.4	682.4	667.1
65°	647.4	642.4	635.8	567.4	554.3
67.5°	539.1	523.8	513.6	472.1	465.6
70°	447.4	423.4	403.0	396.5	389.9
72.5°	362.3	344.8	312.1	330.3	329.5
75°	293.2	277.2	243.0	276.4	279.3
77.5°	240.1	229.2	196.4	227.0	236.4
80°	203.7	181.1	165.1	184.8	197.1
82.5°	155.7	138.2	134.6	142.6	154.2
85°	103.3	96.8	99.7	102.6	109.8
87.5°	52.4	56.0	60.4	65.5	69.1
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	16.8	18.6	17.2	18.9	19.2	15.9	17.7	16.3	18.0	18.3
	3H	17.9	19.5	18.3	19.9	20.2	17.1	18.7	17.4	19.0	19.4
	4H	18.3	19.9	18.7	20.2	20.6	17.5	19.0	17.9	19.4	19.8
	6H	18.7	20.1	19.1	20.5	20.8	18.0	19.4	18.4	19.7	20.1
	8H	18.8	20.2	19.3	20.6	21.0	18.2	19.5	18.6	19.9	20.3
	12H	19.0	20.3	19.4	20.7	21.1	18.3	19.6	18.8	20.0	20.4
4H	2H	17.2	18.8	17.6	19.1	19.5	16.5	18.0	16.9	18.4	18.7
	3H	18.5	19.8	18.9	20.2	20.6	17.8	19.1	18.2	19.5	19.9
	4H	19.0	20.2	19.4	20.6	21.0	18.4	19.5	18.8	20.0	20.4
	6H	19.5	20.5	20.0	21.0	21.4	19.0	20.0	19.4	20.4	20.9
	8H	19.7	20.7	20.2	21.1	21.6	19.2	20.2	19.7	20.6	21.1
	12H	19.9	20.8	20.4	21.3	21.7	19.5	20.3	19.9	20.8	21.3
8H	4H	19.2	20.1	19.6	20.6	21.0	18.6	19.5	19.0	20.0	20.4
	6H	19.8	20.6	20.3	21.1	21.5	19.3	20.1	19.8	20.6	21.1
	8H	20.1	20.8	20.6	21.3	21.8	19.6	20.4	20.2	20.9	21.4
	12H	20.4	21.0	20.9	21.5	22.1	20.0	20.6	20.5	21.1	21.7
12H	4H	19.2	20.1	19.7	20.5	21.0	18.6	19.5	19.1	20.0	20.4
	6H	19.8	20.6	20.4	21.0	21.6	19.4	20.1	19.9	20.5	21.1
	8H	20.2	20.8	20.7	21.3	21.9	19.8	20.4	20.3	20.9	21.5















(END OF REPORT)