

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: P1526893

Luminaire Tested: 24CGTX-40HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526893
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

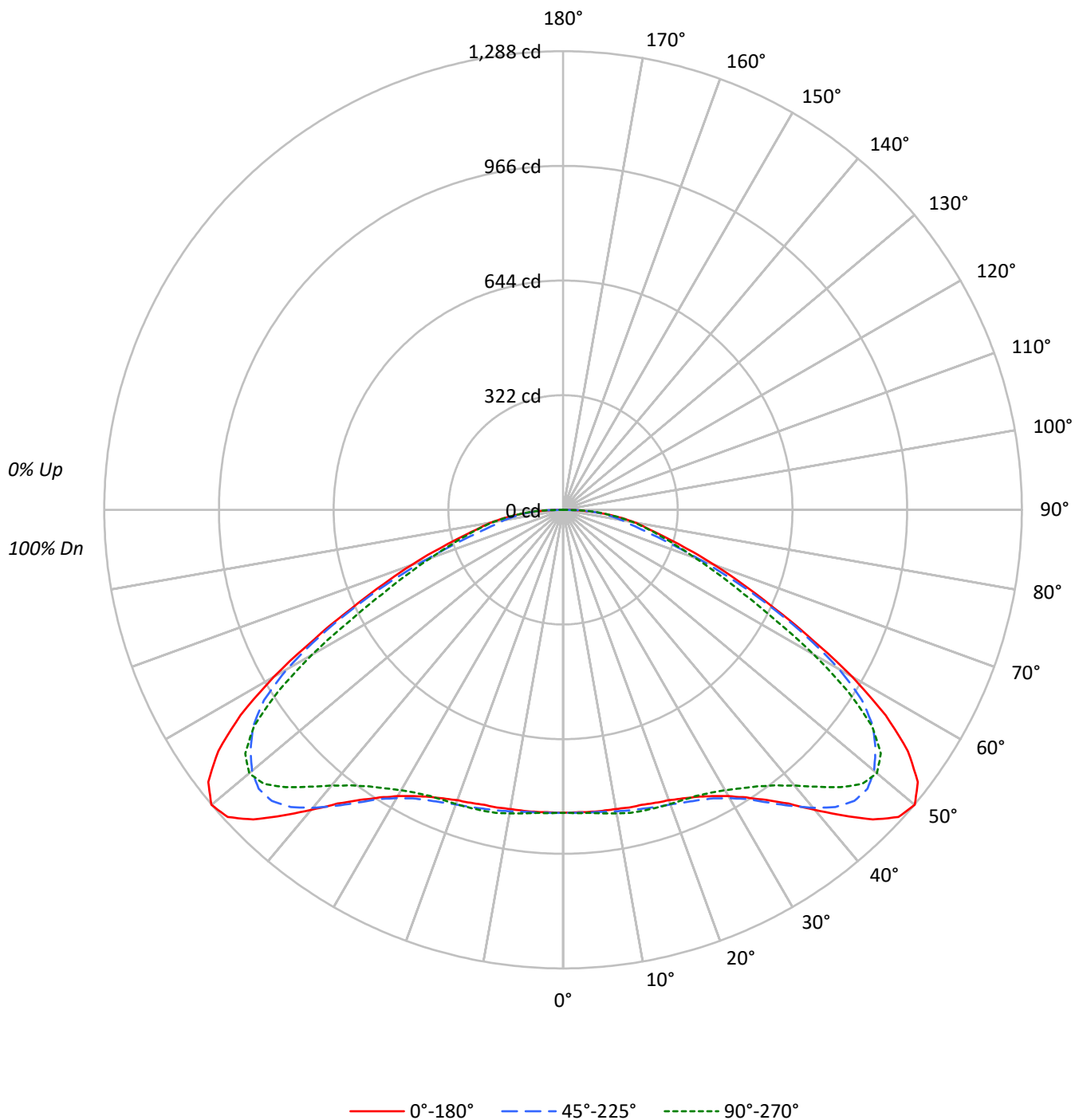
Lumens per Lamp: N/A
Luminaire Lumens: 4247.7 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526893

CATALOG NUMBER: 24CGTX-40HE-A125-L840

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			
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°	1145	1145	1145
5°	1150	1152	1154
10°	1166	1175	1183
15°	1195	1210	1218
20°	1243	1261	1258
25°	1320	1335	1316
30°	1442	1452	1412
35°	1633	1648	1557
40°	1931	1918	1775
45°	2340	2200	2096
50°	2697	2386	2408
55°	2772	2493	2484
60°	2519	2409	2187
65°	2084	2046	1784
70°	1779	1603	1551
75°	1541	1277	1468
80°	1595	1294	1544
85°	1612	1556	1715

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2775 cd/sqm

TEST NUMBER: P1526893

CATALOG NUMBER: 24CGTX-40HE-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.9
10°-20°	246.3	5.8
20°-30°	416.0	9.8
30°-40°	626.3	14.7
40°-50°	890.5	21.0
50°-60°	955.7	22.5
60°-70°	622.8	14.7
70°-80°	299.5	7.1
80°-90°	109.0	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°	744.0	17.5
0°-40°	1370.2	32.3
0°-60°	3216.5	75.7
0°-90°	4247.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4247.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	852	852	853	856	855	81
15°	858	862	869	874	874	244
25°	889	897	900	891	886	414
35°	994	1014	1003	969	948	631
45°	1230	1200	1156	1126	1102	944
55°	1182	1152	1063	1032	1059	1034
65°	655	649	643	574	560	662
75°	296	280	246	280	282	326
85°	104	98	101	104	111	114
90°	0	0	0	0	0	



TEST NUMBER: P1526893

CATALOG NUMBER: 24CGTX-40HE-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.9	850.9	850.9	850.9	850.9
2.5°	850.2	850.9	851.7	852.4	852.4
5°	851.7	852.4	853.1	856.1	854.6
7.5°	852.4	853.1	855.3	859.8	859.8
10°	853.1	855.3	859.8	864.2	865.6
12.5°	856.1	858.3	864.2	870.1	871.5
15°	857.6	862.0	868.6	873.7	874.5
17.5°	862.7	867.1	874.5	876.7	876.7
20°	867.8	873.7	880.4	880.4	878.9
22.5°	877.4	884.0	889.2	884.8	881.8
25°	889.2	897.3	899.5	891.4	886.2
27.5°	906.1	916.4	913.4	902.4	895.8
30°	928.2	941.4	934.8	918.6	909.0
32.5°	957.6	973.8	962.7	942.1	927.4
35°	994.3	1013.5	1003.2	969.3	948.0
37.5°	1039.9	1059.8	1047.3	1003.9	975.2
40°	1099.5	1109.8	1092.2	1045.1	1010.5
42.5°	1164.2	1159.1	1131.9	1088.5	1054.7
45°	1229.7	1199.5	1156.2	1126.0	1101.7
47.5°	1276.8	1220.9	1159.1	1143.6	1139.2
50°	1288.5	1216.5	1140.0	1134.1	1150.3
52.5°	1255.4	1192.9	1105.4	1095.1	1124.5
55°	1181.9	1151.7	1062.7	1031.9	1059.1
57.5°	1073.8	1071.6	995.1	939.9	947.3
60°	936.2	945.1	895.1	817.1	812.7
62.5°	787.7	792.8	770.8	689.9	674.4
65°	654.6	649.4	642.8	573.7	560.4
67.5°	545.0	529.5	519.2	477.3	470.7
70°	452.3	428.0	407.4	400.8	394.2
72.5°	366.3	348.6	315.5	333.9	333.2
75°	296.4	280.2	245.6	279.5	282.4
77.5°	242.7	231.7	198.6	229.5	239.0
80°	205.9	183.1	167.0	186.8	199.3
82.5°	157.4	139.7	136.1	144.2	155.9
85°	104.4	97.8	100.8	103.7	111.1
87.5°	53.0	56.6	61.0	66.2	69.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526893

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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	16.9	18.6	17.2	19.0	19.3	16.0	17.7	16.3	18.1	18.4
	3H	18.0	19.6	18.3	19.9	20.3	17.1	18.7	17.5	19.0	19.4
	4H	18.4	19.9	18.8	20.2	20.6	17.6	19.1	17.9	19.4	19.8
	6H	18.7	20.1	19.1	20.5	20.9	18.0	19.4	18.4	19.8	20.2
	8H	18.9	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	18.4	19.7	18.8	20.0	20.5
4H	2H	17.3	18.8	17.7	19.1	19.5	16.5	18.0	16.9	18.4	18.8
	3H	18.6	19.8	19.0	20.2	20.6	17.8	19.1	18.2	19.5	19.9
	4H	19.1	20.2	19.5	20.6	21.1	18.4	19.6	18.8	20.0	20.4
	6H	19.6	20.6	20.0	21.0	21.5	19.0	20.0	19.4	20.5	20.9
	8H	19.8	20.7	20.2	21.2	21.6	19.3	20.2	19.7	20.7	21.1
	12H	20.0	20.8	20.4	21.3	21.8	19.5	20.4	20.0	20.8	21.3
8H	4H	19.2	20.2	19.7	20.6	21.1	18.6	19.6	19.1	20.0	20.5
	6H	19.8	20.6	20.3	21.1	21.6	19.3	20.1	19.8	20.6	21.1
	8H	20.1	20.8	20.6	21.3	21.8	19.7	20.4	20.2	20.9	21.4
	12H	20.4	21.1	20.9	21.5	22.1	20.0	20.7	20.5	21.2	21.7
12H	4H	19.2	20.1	19.7	20.6	21.1	18.7	19.5	19.1	20.0	20.5
	6H	19.9	20.6	20.4	21.1	21.6	19.4	20.1	19.9	20.6	21.1
	8H	20.2	20.9	20.7	21.4	21.9	19.8	20.4	20.3	20.9	21.5













(END OF REPORT)