

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: P1526887

Luminaire Tested: 24CGTX-40-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526887
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

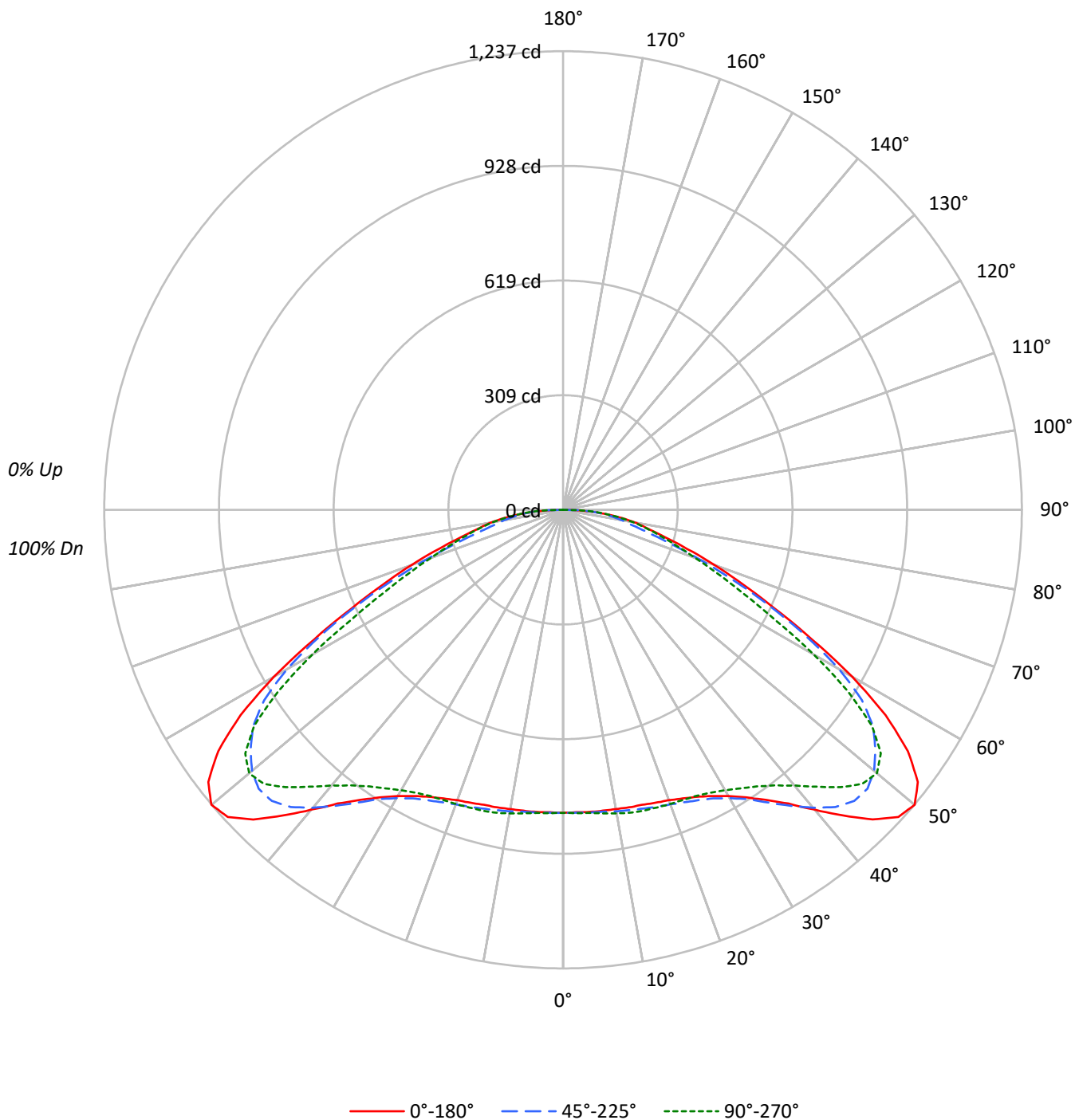
Lumens per Lamp: N/A
Luminaire Lumens: 4079.2 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526887

CATALOG NUMBER: 24CGTX-40-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526887

CATALOG NUMBER: 24CGTX-40-A125-L830

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1100	1100	1100
5°	1105	1107	1108
10°	1119	1128	1136
15°	1147	1162	1170
20°	1193	1210	1208
25°	1268	1282	1264
30°	1385	1395	1356
35°	1568	1582	1495
40°	1855	1842	1704
45°	2247	2113	2013
50°	2590	2291	2312
55°	2662	2394	2386
60°	2419	2313	2100
65°	2001	1965	1713
70°	1709	1539	1489
75°	1480	1226	1410
80°	1533	1242	1483
85°	1548	1494	1646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2665 cd/sqm

TEST NUMBER: P1526887

CATALOG NUMBER: 24CGTX-40-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	1.9
10°-20°	236.5	5.8
20°-30°	399.5	9.8
30°-40°	601.4	14.7
40°-50°	855.2	21.0
50°-60°	917.8	22.5
60°-70°	598.1	14.7
70°-80°	287.6	7.1
80°-90°	104.7	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°	714.4	17.5
0°-40°	1315.9	32.3
0°-60°	3088.8	75.7
0°-90°	4079.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4079.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	818	819	819	822	821	78
15°	824	828	834	839	840	234
25°	854	862	864	856	851	398
35°	955	973	963	931	910	606
45°	1181	1152	1110	1081	1058	907
55°	1135	1106	1021	991	1017	993
65°	629	624	617	551	538	636
75°	285	269	236	268	271	313
85°	100	94	97	100	107	109
90°	0	0	0	0	0	

TEST NUMBER: P1526887

CATALOG NUMBER: 24CGTX-40-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	817.2	817.2	817.2	817.2	817.2
2.5°	816.5	817.2	817.9	818.6	818.6
5°	817.9	818.6	819.3	822.1	820.7
7.5°	818.6	819.3	821.4	825.6	825.6
10°	819.3	821.4	825.6	829.9	831.3
12.5°	822.1	824.2	829.9	835.5	836.9
15°	823.5	827.8	834.1	839.1	839.8
17.5°	828.5	832.7	839.8	841.9	841.9
20°	833.4	839.1	845.4	845.4	844.0
22.5°	842.6	848.9	853.9	849.7	846.8
25°	853.9	861.7	863.8	856.0	851.1
27.5°	870.1	880.0	877.2	866.6	860.2
30°	891.3	904.0	897.7	882.1	873.0
32.5°	919.6	935.1	924.5	904.7	890.6
35°	954.9	973.3	963.4	930.9	910.4
37.5°	998.7	1017.7	1005.7	964.1	936.5
40°	1055.9	1065.8	1048.8	1003.6	970.4
42.5°	1118.0	1113.1	1087.0	1045.3	1012.8
45°	1180.9	1151.9	1110.3	1081.3	1058.0
47.5°	1226.1	1172.4	1113.1	1098.3	1094.0
50°	1237.4	1168.2	1094.7	1089.1	1104.6
52.5°	1205.6	1145.6	1061.5	1051.6	1079.9
55°	1135.0	1106.0	1020.6	990.9	1017.0
57.5°	1031.2	1029.0	955.6	902.6	909.7
60°	899.1	907.6	859.5	784.7	780.4
62.5°	756.4	761.4	740.2	662.5	647.7
65°	628.6	623.6	617.3	550.9	538.2
67.5°	523.4	508.5	498.6	458.4	452.0
70°	434.4	411.1	391.3	384.9	378.6
72.5°	351.7	334.8	303.0	320.7	319.9
75°	284.6	269.1	235.9	268.4	271.2
77.5°	233.1	222.5	190.7	220.4	229.5
80°	197.8	175.9	160.3	179.4	191.4
82.5°	151.1	134.2	130.7	138.4	149.7
85°	100.3	93.9	96.8	99.6	106.6
87.5°	50.9	54.4	58.6	63.6	67.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526887

CATALOG NUMBER: 24CGTX-40-A125-L830

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	16.7	18.5	17.1	18.8	19.1	15.8	17.6	16.2	17.9	18.2
	3H	17.8	19.4	18.2	19.8	20.1	16.9	18.6	17.3	18.9	19.2
	4H	18.2	19.7	18.6	20.1	20.5	17.4	18.9	17.8	19.3	19.7
	6H	18.6	20.0	19.0	20.4	20.7	17.9	19.3	18.3	19.6	20.0
	8H	18.7	20.1	19.2	20.5	20.9	18.0	19.4	18.5	19.8	20.2
	12H	18.9	20.2	19.3	20.6	21.0	18.2	19.5	18.7	19.9	20.3
4H	2H	17.1	18.7	17.5	19.0	19.4	16.4	17.9	16.8	18.2	18.6
	3H	18.4	19.7	18.8	20.1	20.5	17.7	19.0	18.1	19.4	19.8
	4H	18.9	20.1	19.3	20.5	20.9	18.3	19.4	18.7	19.8	20.3
	6H	19.4	20.4	19.9	20.9	21.3	18.9	19.9	19.3	20.3	20.8
	8H	19.6	20.6	20.1	21.0	21.5	19.1	20.1	19.6	20.5	21.0
	12H	19.8	20.7	20.3	21.2	21.6	19.4	20.2	19.8	20.7	21.2
8H	4H	19.1	20.0	19.5	20.5	20.9	18.5	19.4	18.9	19.9	20.3
	6H	19.7	20.5	20.2	21.0	21.4	19.2	20.0	19.7	20.5	20.9
	8H	20.0	20.7	20.5	21.2	21.7	19.5	20.3	20.0	20.8	21.2
	12H	20.3	20.9	20.8	21.4	22.0	19.9	20.5	20.4	21.0	21.6
12H	4H	19.1	20.0	19.6	20.4	20.9	18.5	19.4	19.0	19.9	20.3
	6H	19.7	20.5	20.3	20.9	21.5	19.3	20.0	19.8	20.4	21.0
	8H	20.1	20.7	20.6	21.2	21.8	19.7	20.3	20.2	20.8	21.4













(END OF REPORT)