

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: P1526920

Luminaire Tested: 24CGTX-65-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526920
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-65-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

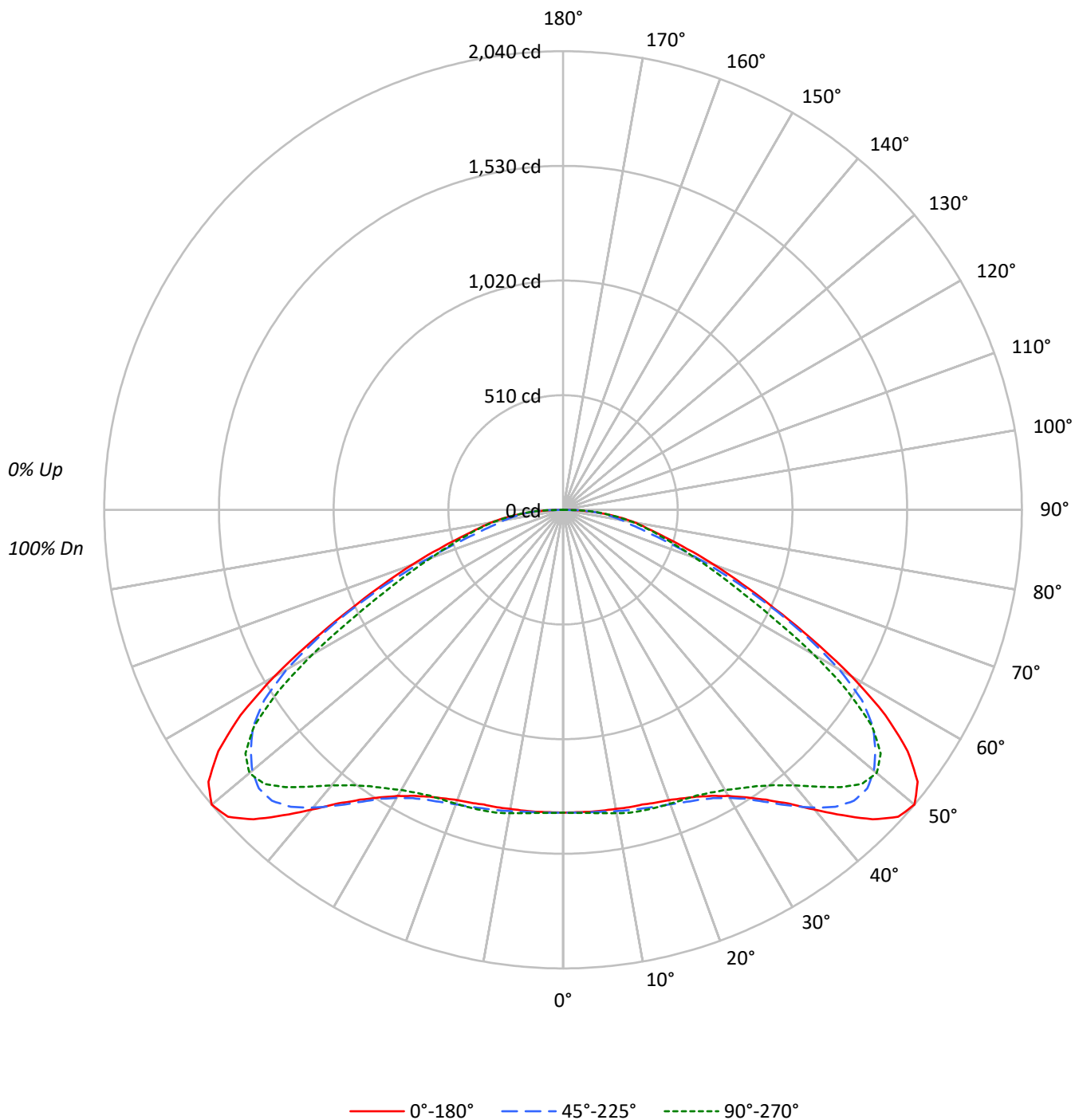
Lumens per Lamp: N/A
Luminaire Lumens: 6724.2 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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: P1526920

CATALOG NUMBER: 24CGTX-65-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526920

CATALOG NUMBER: 24CGTX-65-A125-L830

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°	1812	1812	1812
5°	1821	1824	1827
10°	1845	1859	1872
15°	1891	1915	1928
20°	1967	1995	1992
25°	2090	2114	2083
30°	2283	2299	2236
35°	2586	2608	2465
40°	3057	3037	2810
45°	3704	3483	3318
50°	4270	3777	3812
55°	4389	3946	3933
60°	3988	3813	3462
65°	3299	3240	2825
70°	2817	2537	2455
75°	2439	2022	2324
80°	2526	2048	2445
85°	2552	2462	2714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4393 cd/sqm

TEST NUMBER: P1526920

CATALOG NUMBER: 24CGTX-65-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	1.9
10°-20°	389.9	5.8
20°-30°	658.6	9.8
30°-40°	991.4	14.7
40°-50°	1409.7	21.0
50°-60°	1512.9	22.5
60°-70°	986.0	14.7
70°-80°	474.1	7.1
80°-90°	172.5	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°	1177.7	17.5
0°-40°	2169.1	32.3
0°-60°	5091.7	75.7
0°-90°	6724.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6724.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1347	1347	1347	1347	1347	
5°	1348	1349	1350	1355	1353	129
15°	1358	1364	1375	1383	1384	386
25°	1408	1420	1424	1411	1403	655
35°	1574	1604	1588	1534	1501	999
45°	1947	1899	1830	1782	1744	1494
55°	1871	1823	1682	1633	1676	1637
65°	1036	1028	1018	908	887	1049
75°	469	444	389	442	447	515
85°	165	155	160	164	176	180
90°	0	0	0	0	0	

TEST NUMBER: P1526920

CATALOG NUMBER: 24CGTX-65-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1347.0	1347.0	1347.0	1347.0	1347.0
2.5°	1345.9	1347.0	1348.2	1349.4	1349.4
5°	1348.2	1349.4	1350.5	1355.2	1352.9
7.5°	1349.4	1350.5	1354.0	1361.0	1361.0
10°	1350.5	1354.0	1361.0	1368.0	1370.3
12.5°	1355.2	1358.7	1368.0	1377.3	1379.6
15°	1357.5	1364.5	1375.0	1383.1	1384.3
17.5°	1365.7	1372.7	1384.3	1387.8	1387.8
20°	1373.8	1383.1	1393.6	1393.6	1391.3
22.5°	1388.9	1399.4	1407.6	1400.6	1395.9
25°	1407.6	1420.4	1423.9	1411.1	1402.9
27.5°	1434.4	1450.7	1446.0	1428.5	1418.1
30°	1469.3	1490.2	1479.8	1454.1	1439.0
32.5°	1515.9	1541.5	1524.0	1491.4	1468.1
35°	1574.1	1604.3	1588.0	1534.5	1500.7
37.5°	1646.2	1677.7	1657.9	1589.2	1543.8
40°	1740.6	1756.9	1728.9	1654.4	1599.7
42.5°	1843.0	1834.9	1791.8	1723.1	1669.5
45°	1946.6	1898.9	1830.2	1782.5	1744.0
47.5°	2021.1	1932.7	1834.9	1810.4	1803.4
50°	2039.8	1925.7	1804.6	1795.3	1820.9
52.5°	1987.4	1888.4	1749.9	1733.6	1780.1
55°	1870.9	1823.2	1682.3	1633.4	1676.5
57.5°	1699.8	1696.3	1575.2	1487.9	1499.6
60°	1482.1	1496.1	1416.9	1293.5	1286.5
62.5°	1246.9	1255.1	1220.1	1092.1	1067.6
65°	1036.2	1028.0	1017.6	908.1	887.2
67.5°	862.7	838.3	822.0	755.6	745.1
70°	716.0	677.6	645.0	634.5	624.0
72.5°	579.8	551.9	499.5	528.6	527.4
75°	469.2	443.6	388.9	442.4	447.1
77.5°	384.2	366.7	314.3	363.2	378.4
80°	326.0	289.9	264.3	295.7	315.5
82.5°	249.1	221.2	215.4	228.2	246.8
85°	165.3	154.8	159.5	164.2	175.8
87.5°	83.8	89.6	96.6	104.8	110.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526920

CATALOG NUMBER: 24CGTX-65-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	18.5	20.2	18.8	20.6	20.9	17.6	19.3	17.9	19.6	20.0
	3H	19.6	21.2	19.9	21.5	21.9	18.7	20.3	19.1	20.6	21.0
	4H	20.0	21.5	20.4	21.8	22.2	19.1	20.7	19.5	21.0	21.4
	6H	20.3	21.7	20.7	22.1	22.5	19.6	21.0	20.0	21.4	21.8
	8H	20.5	21.8	20.9	22.2	22.6	19.8	21.1	20.2	21.5	21.9
	12H	20.6	21.9	21.0	22.3	22.7	20.0	21.3	20.4	21.6	22.1
4H	2H	18.9	20.4	19.3	20.7	21.1	18.1	19.6	18.5	20.0	20.4
	3H	20.2	21.4	20.6	21.8	22.2	19.4	20.7	19.8	21.1	21.5
	4H	20.7	21.8	21.1	22.2	22.7	20.0	21.2	20.4	21.6	22.0
	6H	21.1	22.2	21.6	22.6	23.1	20.6	21.6	21.0	22.0	22.5
	8H	21.4	22.3	21.8	22.8	23.2	20.9	21.8	21.3	22.2	22.7
	12H	21.6	22.4	22.0	22.9	23.4	21.1	22.0	21.6	22.4	22.9
8H	4H	20.8	21.8	21.3	22.2	22.7	20.2	21.2	20.7	21.6	22.1
	6H	21.4	22.2	21.9	22.7	23.2	20.9	21.7	21.4	22.2	22.7
	8H	21.7	22.4	22.2	22.9	23.4	21.3	22.0	21.8	22.5	23.0
	12H	22.0	22.6	22.5	23.1	23.7	21.6	22.3	22.1	22.8	23.3
12H	4H	20.8	21.7	21.3	22.2	22.6	20.3	21.1	20.7	21.6	22.1
	6H	21.5	22.2	22.0	22.7	23.2	21.0	21.7	21.5	22.2	22.7
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.0	21.9	22.5	23.1















(END OF REPORT)