

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: P1526842

Luminaire Tested: 22CGTX-60HE-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-60HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

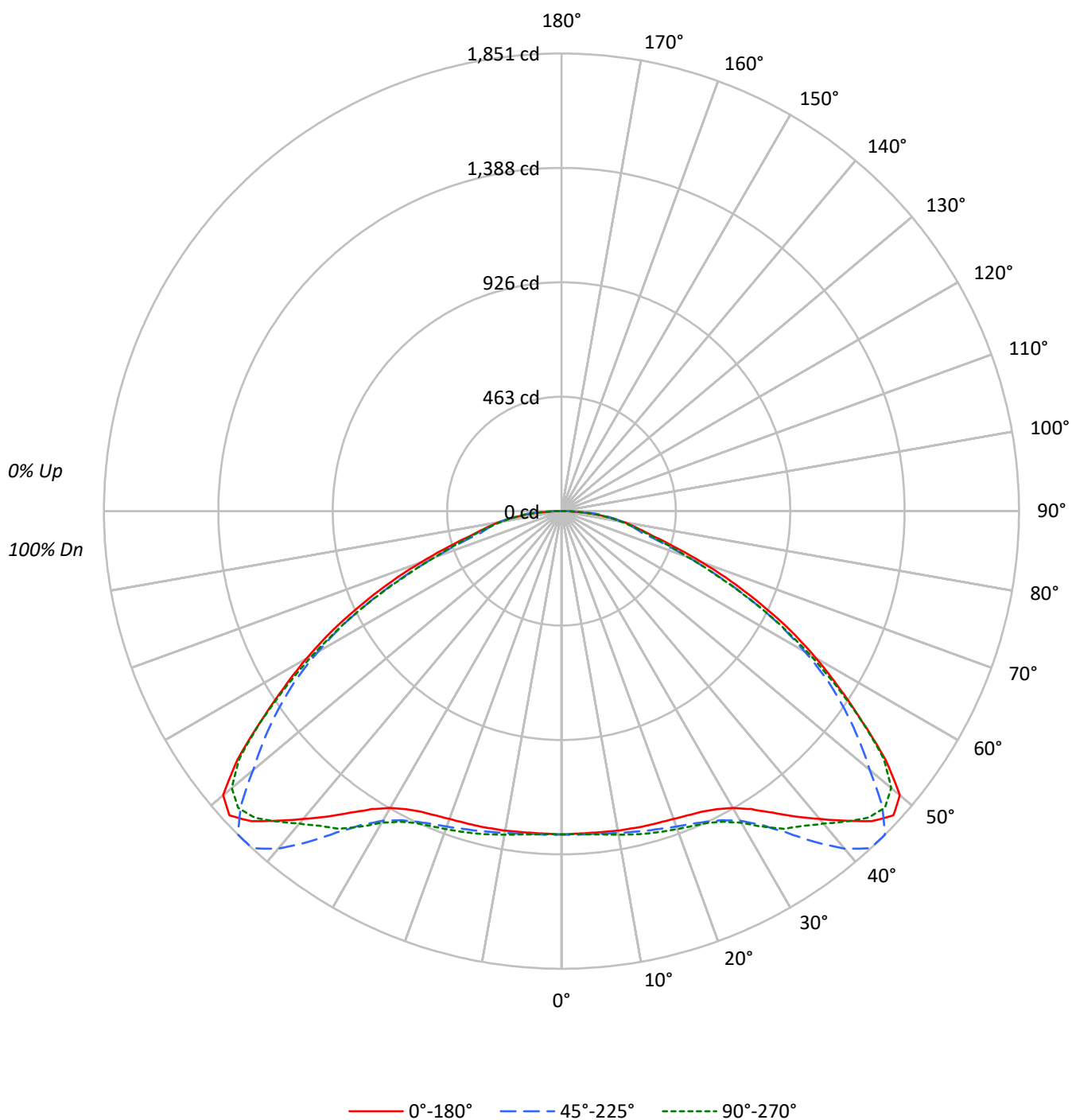
Lumens per Lamp: N/A
Luminaire Lumens: 6186.3 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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: P1526842

CATALOG NUMBER: 22CGTX-60HE-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526842

CATALOG NUMBER: 22CGTX-60HE-A125-L850

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	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3518	3518	3518
5°	3529	3541	3545
10°	3586	3611	3630
15°	3672	3727	3760
20°	3794	3888	3918
25°	3983	4115	4132
30°	4306	4491	4520
35°	4890	5213	5151
40°	5709	6259	5796
45°	6750	7044	6675
50°	7479	6814	7289
55°	6973	6562	6967
60°	6402	6125	6238
65°	5662	5342	5335
70°	4744	4275	4284
75°	3900	3499	3778
80°	3966	3947	3784
85°	3896	4690	3968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7479 cd/sqm

TEST NUMBER: P1526842

CATALOG NUMBER: 22CGTX-60HE-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	2.0
10°-20°	379.2	6.1
20°-30°	641.0	10.4
30°-40°	985.7	15.9
40°-50°	1369.9	22.1
50°-60°	1289.5	20.8
60°-70°	851.6	13.8
70°-80°	395.7	6.4
80°-90°	148.1	2.4
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°	1145.7	18.5
0°-40°	2131.4	34.5
0°-60°	4790.8	77.4
0°-90°	6186.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6186.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1306	1310	1311	1313	1312	125
15°	1318	1324	1338	1347	1350	374
25°	1341	1359	1386	1394	1392	624
35°	1489	1541	1587	1581	1568	942
45°	1774	1837	1851	1806	1754	1357
55°	1486	1465	1399	1447	1485	1332
65°	889	881	839	852	838	883
75°	375	361	336	347	363	420
85°	126	145	152	147	128	138
90°	0	0	0	0	0	

TEST NUMBER: P1526842

CATALOG NUMBER: 22CGTX-60HE-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.5	1307.5	1307.5	1307.5	1307.5
2.5°	1306.3	1308.7	1309.9	1311.0	1307.5
5°	1306.3	1309.9	1311.0	1313.4	1312.2
7.5°	1308.7	1312.2	1315.7	1318.0	1319.2
10°	1312.2	1315.7	1321.5	1328.5	1328.5
12.5°	1314.5	1320.4	1328.5	1337.9	1339.1
15°	1318.0	1323.9	1337.9	1347.2	1349.6
17.5°	1320.4	1329.7	1346.1	1357.8	1358.9
20°	1325.0	1335.6	1357.8	1368.3	1368.3
22.5°	1332.1	1346.1	1369.4	1378.8	1378.8
25°	1341.4	1358.9	1385.8	1394.0	1391.6
27.5°	1358.9	1380.0	1409.2	1418.5	1416.2
30°	1385.8	1413.8	1445.4	1457.1	1454.7
32.5°	1429.0	1464.1	1503.8	1514.3	1513.2
35°	1488.6	1541.2	1586.8	1580.9	1568.1
37.5°	1557.6	1635.9	1687.3	1632.3	1604.3
40°	1625.3	1731.7	1781.9	1693.1	1649.9
42.5°	1697.8	1806.5	1849.7	1763.2	1702.5
45°	1773.7	1836.8	1850.9	1806.5	1753.9
47.5°	1821.6	1788.9	1758.5	1785.4	1774.9
50°	1786.6	1676.8	1627.7	1679.1	1741.0
52.5°	1653.4	1572.8	1515.5	1563.4	1641.7
55°	1486.3	1465.3	1398.7	1446.6	1485.1
57.5°	1333.2	1349.6	1277.1	1313.4	1319.2
60°	1189.5	1201.2	1138.1	1168.5	1159.1
62.5°	1043.4	1044.6	995.5	1013.1	999.0
65°	889.2	881.0	839.0	851.8	837.8
67.5°	744.3	725.6	685.9	691.7	678.9
70°	602.9	580.7	543.3	551.5	544.5
72.5°	476.7	459.2	426.5	437.0	444.0
75°	375.1	361.1	336.5	347.0	363.4
77.5°	310.8	293.3	295.6	288.6	300.3
80°	255.9	245.4	254.7	247.7	244.2
82.5°	190.5	201.0	204.5	208.0	190.5
85°	126.2	144.9	151.9	147.2	128.5
87.5°	61.9	78.3	80.6	79.5	66.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526842

CATALOG NUMBER: 22CGTX-60HE-A125-L850

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	19.6	21.3	20.0	21.7	22.0	19.4	21.2	19.8	21.5	21.8
	3H	20.9	22.5	21.2	22.8	23.1	20.6	22.2	21.0	22.5	22.9
	4H	21.3	22.8	21.7	23.1	23.5	21.0	22.5	21.4	22.8	23.2
	6H	21.6	23.0	22.0	23.4	23.7	21.3	22.7	21.7	23.1	23.5
	8H	21.8	23.1	22.2	23.5	23.9	21.5	22.8	21.9	23.2	23.6
	12H	21.9	23.1	22.3	23.5	24.0	21.6	22.9	22.1	23.3	23.7
4H	2H	20.0	21.5	20.4	21.9	22.3	19.9	21.4	20.3	21.7	22.1
	3H	21.5	22.7	21.9	23.1	23.5	21.2	22.5	21.7	22.9	23.3
	4H	22.0	23.1	22.4	23.5	24.0	21.7	22.9	22.2	23.3	23.7
	6H	22.5	23.5	22.9	23.9	24.3	22.2	23.2	22.7	23.7	24.1
	8H	22.7	23.6	23.1	24.0	24.5	22.5	23.4	22.9	23.8	24.3
	12H	22.9	23.7	23.3	24.2	24.6	22.7	23.5	23.1	24.0	24.4
8H	4H	22.2	23.1	22.6	23.5	24.0	21.9	22.9	22.4	23.3	23.8
	6H	22.8	23.6	23.3	24.0	24.5	22.6	23.4	23.1	23.8	24.3
	8H	23.1	23.8	23.6	24.3	24.8	22.9	23.6	23.4	24.1	24.6
	12H	23.4	24.0	23.9	24.5	25.1	23.2	23.9	23.7	24.3	24.9
12H	4H	22.2	23.0	22.7	23.5	24.0	22.0	22.8	22.5	23.3	23.8
	6H	22.9	23.6	23.4	24.0	24.6	22.7	23.4	23.2	23.8	24.4
	8H	23.2	23.8	23.7	24.3	24.9	23.1	23.7	23.6	24.2	24.7











(END OF REPORT)