

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: P1526839

Luminaire Tested: 22CGTX-60HE-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526839
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

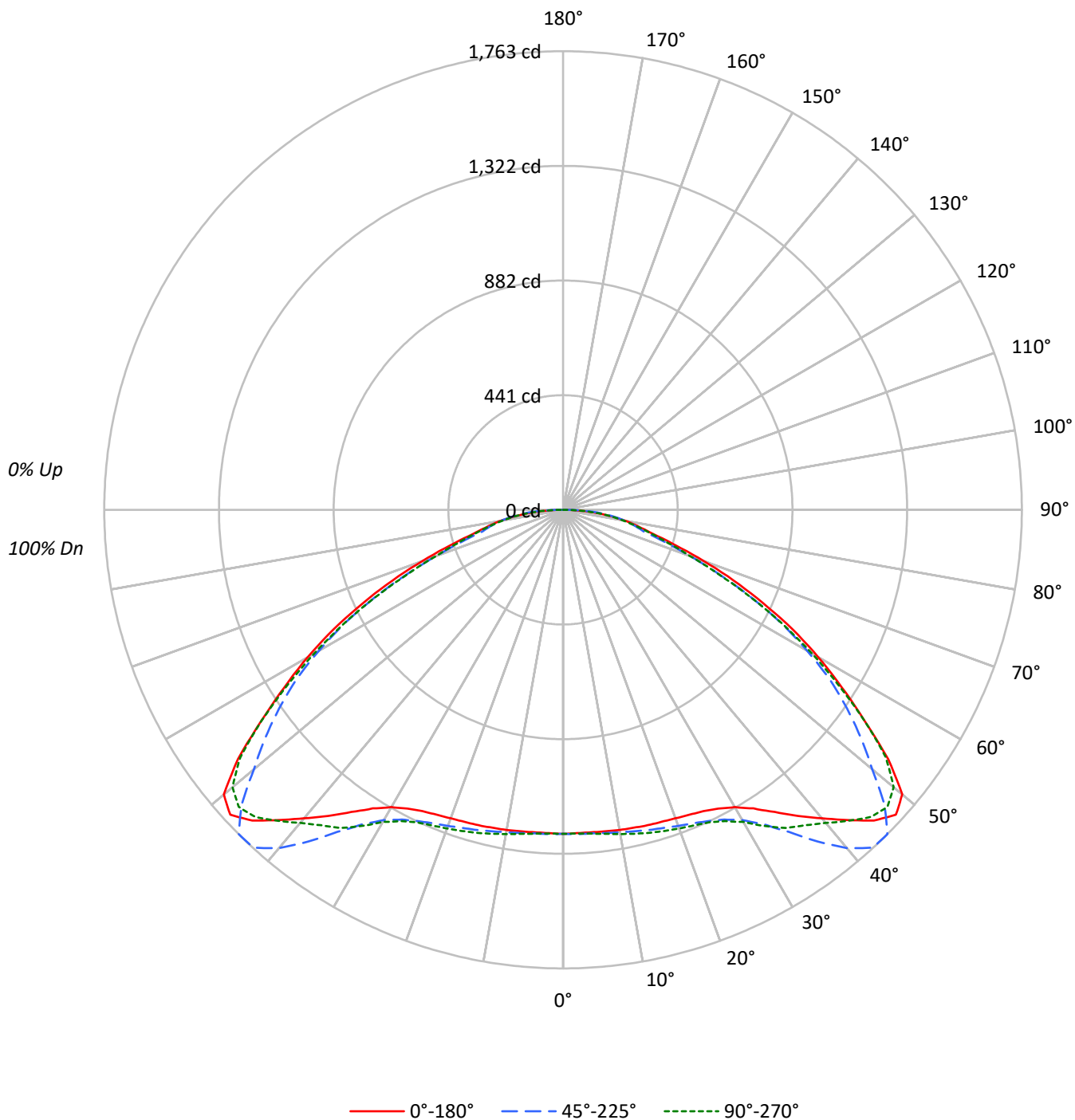
Lumens per Lamp: N/A
Luminaire Lumens: 5891.8 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3351	3351	3351
5°	3361	3373	3376
10°	3415	3439	3457
15°	3497	3550	3581
20°	3614	3703	3732
25°	3793	3919	3935
30°	4101	4277	4305
35°	4657	4964	4906
40°	5437	5962	5520
45°	6429	6708	6357
50°	7123	6490	6942
55°	6641	6250	6636
60°	6097	5834	5941
65°	5393	5088	5081
70°	4518	4072	4080
75°	3714	3332	3598
80°	3777	3760	3605
85°	3711	4468	3779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7123 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	2.0
10°-20°	361.1	6.1
20°-30°	610.5	10.4
30°-40°	938.8	15.9
40°-50°	1304.7	22.1
50°-60°	1228.1	20.8
60°-70°	811.1	13.8
70°-80°	376.9	6.4
80°-90°	141.1	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°	1091.1	18.5
0°-40°	2029.9	34.5
0°-60°	4562.7	77.4
0°-90°	5891.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5891.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1245	1245	1245	1245	1245	
5°	1244	1248	1249	1251	1250	119
15°	1255	1261	1274	1283	1285	356
25°	1278	1294	1320	1328	1325	595
35°	1418	1468	1511	1506	1493	897
45°	1689	1749	1763	1720	1670	1293
55°	1416	1396	1332	1378	1414	1268
65°	847	839	799	811	798	841
75°	357	344	320	330	346	400
85°	120	138	145	140	122	131
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1244.1	1246.4	1247.5	1248.6	1245.3
5°	1244.1	1247.5	1248.6	1250.8	1249.7
7.5°	1246.4	1249.7	1253.0	1255.3	1256.4
10°	1249.7	1253.0	1258.6	1265.3	1265.3
12.5°	1251.9	1257.5	1265.3	1274.2	1275.3
15°	1255.3	1260.8	1274.2	1283.1	1285.3
17.5°	1257.5	1266.4	1282.0	1293.1	1294.2
20°	1261.9	1272.0	1293.1	1303.1	1303.1
22.5°	1268.6	1282.0	1304.2	1313.1	1313.1
25°	1277.5	1294.2	1319.8	1327.6	1325.4
27.5°	1294.2	1314.2	1342.1	1351.0	1348.7
30°	1319.8	1346.5	1376.6	1387.7	1385.5
32.5°	1361.0	1394.4	1432.2	1442.2	1441.1
35°	1417.7	1467.8	1511.2	1505.7	1493.4
37.5°	1483.4	1558.0	1606.9	1554.6	1527.9
40°	1547.9	1649.2	1697.1	1612.5	1571.3
42.5°	1616.9	1720.4	1761.6	1679.3	1621.4
45°	1689.3	1749.4	1762.7	1720.4	1670.4
47.5°	1734.9	1703.7	1674.8	1700.4	1690.4
50°	1701.5	1596.9	1550.2	1599.1	1658.1
52.5°	1574.6	1497.9	1443.3	1489.0	1563.5
55°	1415.5	1395.5	1332.1	1377.7	1414.4
57.5°	1269.7	1285.3	1216.3	1250.8	1256.4
60°	1132.9	1144.0	1083.9	1112.8	1103.9
62.5°	993.8	994.9	948.1	964.8	951.5
65°	846.9	839.1	799.0	811.3	797.9
67.5°	708.9	691.1	653.2	658.8	646.6
70°	574.2	553.1	517.5	525.3	518.6
72.5°	454.0	437.3	406.2	416.2	422.9
75°	357.2	343.9	320.5	330.5	346.1
77.5°	296.0	279.3	281.5	274.9	286.0
80°	243.7	233.7	242.6	235.9	232.6
82.5°	181.4	191.4	194.7	198.1	181.4
85°	120.2	138.0	144.7	140.2	122.4
87.5°	59.0	74.6	76.8	75.7	63.4
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	19.4	21.2	19.8	21.5	21.8	19.3	21.0	19.6	21.3	21.6
	3H	20.7	22.3	21.1	22.6	23.0	20.4	22.0	20.8	22.3	22.7
	4H	21.1	22.6	21.5	22.9	23.3	20.8	22.3	21.2	22.7	23.0
	6H	21.4	22.8	21.8	23.2	23.6	21.2	22.6	21.6	22.9	23.3
	8H	21.6	22.9	22.0	23.3	23.7	21.3	22.6	21.7	23.0	23.4
	12H	21.7	23.0	22.1	23.4	23.8	21.5	22.7	21.9	23.1	23.5
4H	2H	19.9	21.4	20.3	21.7	22.1	19.7	21.2	20.1	21.6	21.9
	3H	21.3	22.6	21.7	23.0	23.4	21.1	22.3	21.5	22.7	23.1
	4H	21.8	22.9	22.2	23.4	23.8	21.6	22.7	22.0	23.1	23.5
	6H	22.3	23.3	22.7	23.7	24.2	22.1	23.0	22.5	23.5	23.9
	8H	22.5	23.4	23.0	23.9	24.3	22.3	23.2	22.7	23.7	24.1
	12H	22.7	23.5	23.2	24.0	24.5	22.5	23.3	23.0	23.8	24.3
8H	4H	22.0	22.9	22.5	23.4	23.8	21.8	22.7	22.2	23.1	23.6
	6H	22.6	23.4	23.1	23.9	24.3	22.4	23.2	22.9	23.7	24.1
	8H	22.9	23.6	23.4	24.1	24.6	22.7	23.4	23.2	23.9	24.4
	12H	23.2	23.8	23.7	24.3	24.9	23.1	23.7	23.6	24.2	24.7
12H	4H	22.0	22.9	22.5	23.3	23.8	21.8	22.6	22.3	23.1	23.6
	6H	22.7	23.4	23.2	23.8	24.4	22.5	23.2	23.0	23.6	24.2
	8H	23.0	23.7	23.6	24.2	24.7	22.9	23.5	23.4	24.0	24.6













(END OF REPORT)