

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: P1526841

Luminaire Tested: 22CGTX-60HE-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526841
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

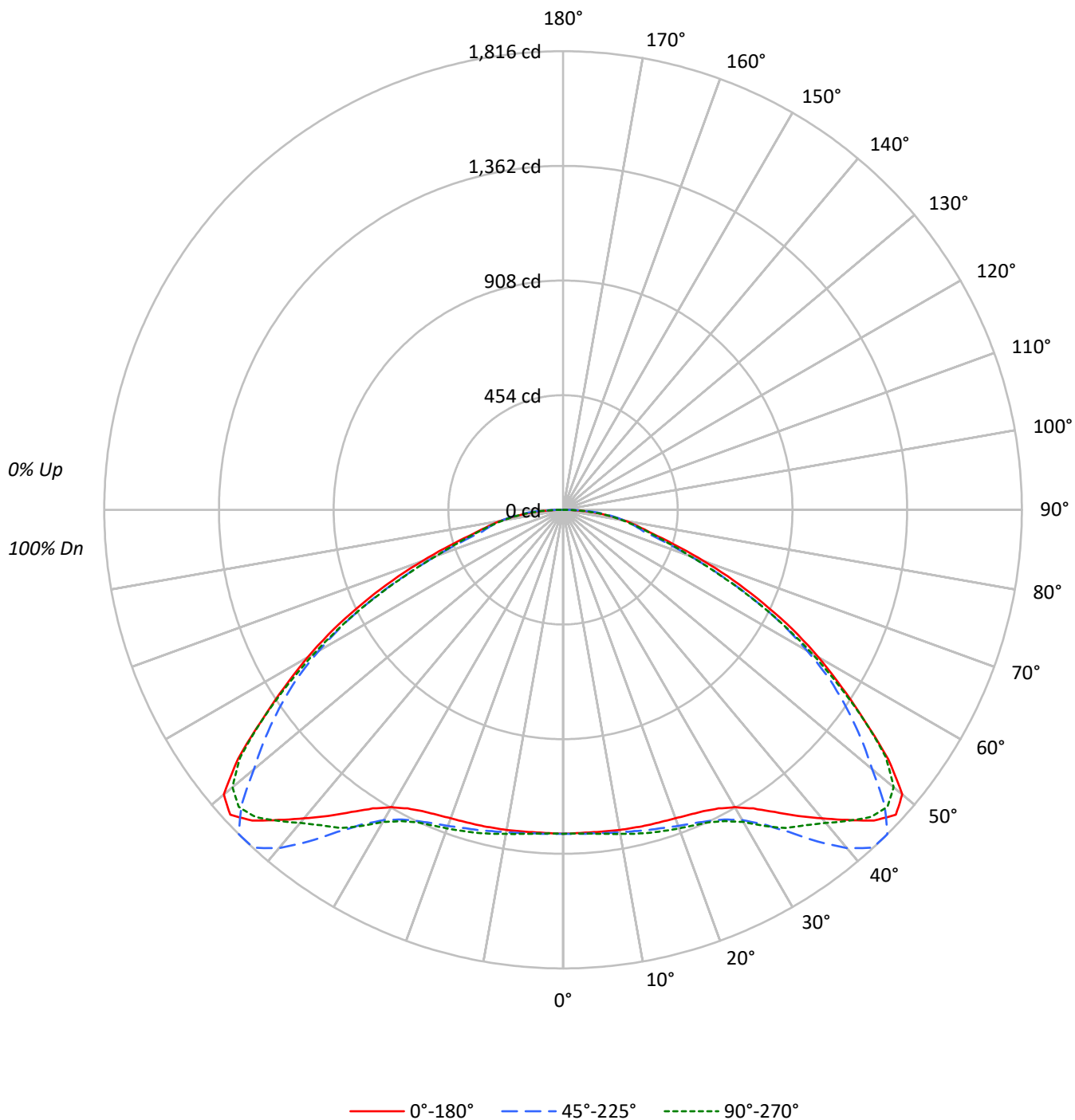
Lumens per Lamp: N/A
Luminaire Lumens: 6068.5 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	3451	3451	3451
5°	3462	3474	3477
10°	3517	3542	3561
15°	3602	3656	3688
20°	3722	3814	3844
25°	3907	4036	4053
30°	4224	4406	4434
35°	4797	5114	5053
40°	5601	6140	5685
45°	6621	6909	6548
50°	7337	6684	7150
55°	6840	6437	6835
60°	6280	6008	6119
65°	5554	5240	5233
70°	4653	4194	4202
75°	3825	3432	3707
80°	3890	3873	3713
85°	3822	4600	3893

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7337 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	2.0
10°-20°	371.9	6.1
20°-30°	628.8	10.4
30°-40°	966.9	15.9
40°-50°	1343.8	22.1
50°-60°	1265.0	20.8
60°-70°	835.4	13.8
70°-80°	388.2	6.4
80°-90°	145.3	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°	1123.8	18.5
0°-40°	2090.8	34.5
0°-60°	4699.5	77.4
0°-90°	6068.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6068.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1282	1285	1286	1288	1287	123
15°	1293	1299	1312	1322	1324	367
25°	1316	1333	1359	1367	1365	612
35°	1460	1512	1557	1551	1538	924
45°	1740	1802	1816	1772	1720	1331
55°	1458	1437	1372	1419	1457	1306
65°	872	864	823	836	822	866
75°	368	354	330	340	356	412
85°	124	142	149	144	126	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.6	1282.6	1282.6	1282.6	1282.6
2.5°	1281.5	1283.8	1284.9	1286.0	1282.6
5°	1281.5	1284.9	1286.0	1288.3	1287.2
7.5°	1283.8	1287.2	1290.6	1292.9	1294.1
10°	1287.2	1290.6	1296.4	1303.2	1303.2
12.5°	1289.5	1295.2	1303.2	1312.4	1313.6
15°	1292.9	1298.7	1312.4	1321.6	1323.9
17.5°	1295.2	1304.4	1320.4	1331.9	1333.0
20°	1299.8	1310.1	1331.9	1342.2	1342.2
22.5°	1306.7	1320.4	1343.4	1352.5	1352.5
25°	1315.9	1333.0	1359.4	1367.4	1365.1
27.5°	1333.0	1353.7	1382.3	1391.5	1389.2
30°	1359.4	1386.9	1417.9	1429.3	1427.0
32.5°	1401.8	1436.2	1475.2	1485.5	1484.3
35°	1460.3	1511.9	1556.6	1550.8	1538.2
37.5°	1527.9	1604.7	1655.1	1601.3	1573.7
40°	1594.4	1698.7	1748.0	1660.9	1618.4
42.5°	1665.4	1772.0	1814.5	1729.6	1670.0
45°	1739.9	1801.8	1815.6	1772.0	1720.5
47.5°	1786.9	1754.8	1725.0	1751.4	1741.1
50°	1752.6	1644.8	1596.7	1647.1	1707.9
52.5°	1621.9	1542.8	1486.6	1533.6	1610.4
55°	1458.0	1437.3	1372.0	1419.0	1456.8
57.5°	1307.8	1323.9	1252.8	1288.3	1294.1
60°	1166.8	1178.3	1116.4	1146.2	1137.0
62.5°	1023.6	1024.7	976.6	993.8	980.0
65°	872.3	864.2	823.0	835.6	821.8
67.5°	730.1	711.8	672.8	678.6	665.9
70°	591.4	569.7	533.0	541.0	534.1
72.5°	467.7	450.5	418.4	428.7	435.6
75°	367.9	354.2	330.1	340.4	356.5
77.5°	304.9	287.7	290.0	283.1	294.6
80°	251.0	240.7	249.9	243.0	239.6
82.5°	186.8	197.1	200.6	204.0	186.8
85°	123.8	142.1	149.0	144.4	126.1
87.5°	60.7	76.8	79.1	77.9	65.3
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	19.5	21.3	19.9	21.6	21.9	19.4	21.1	19.7	21.4	21.7
	3H	20.8	22.4	21.2	22.7	23.1	20.5	22.1	20.9	22.4	22.8
	4H	21.2	22.7	21.6	23.0	23.4	20.9	22.4	21.3	22.8	23.1
	6H	21.5	22.9	21.9	23.3	23.7	21.3	22.7	21.7	23.0	23.4
	8H	21.7	23.0	22.1	23.4	23.8	21.4	22.8	21.8	23.1	23.5
	12H	21.8	23.1	22.2	23.5	23.9	21.6	22.8	22.0	23.2	23.6
4H	2H	20.0	21.5	20.4	21.8	22.2	19.8	21.3	20.2	21.7	22.0
	3H	21.4	22.7	21.8	23.1	23.5	21.2	22.4	21.6	22.8	23.2
	4H	21.9	23.0	22.3	23.5	23.9	21.7	22.8	22.1	23.2	23.6
	6H	22.4	23.4	22.8	23.8	24.3	22.2	23.2	22.6	23.6	24.0
	8H	22.6	23.5	23.1	24.0	24.4	22.4	23.3	22.8	23.8	24.2
	12H	22.8	23.6	23.3	24.1	24.6	22.6	23.4	23.1	23.9	24.4
8H	4H	22.1	23.0	22.6	23.5	23.9	21.9	22.8	22.3	23.2	23.7
	6H	22.7	23.5	23.2	24.0	24.4	22.5	23.3	23.0	23.8	24.2
	8H	23.0	23.7	23.5	24.2	24.7	22.8	23.5	23.3	24.0	24.5
	12H	23.3	23.9	23.8	24.4	25.0	23.2	23.8	23.7	24.3	24.8
12H	4H	22.1	23.0	22.6	23.4	23.9	21.9	22.7	22.4	23.2	23.7
	6H	22.8	23.5	23.3	23.9	24.5	22.6	23.3	23.1	23.7	24.3
	8H	23.2	23.8	23.7	24.3	24.8	23.0	23.6	23.5	24.1	24.7









(END OF REPORT)