

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: P1526840

Luminaire Tested: 22CGTX-60HE-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526840
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

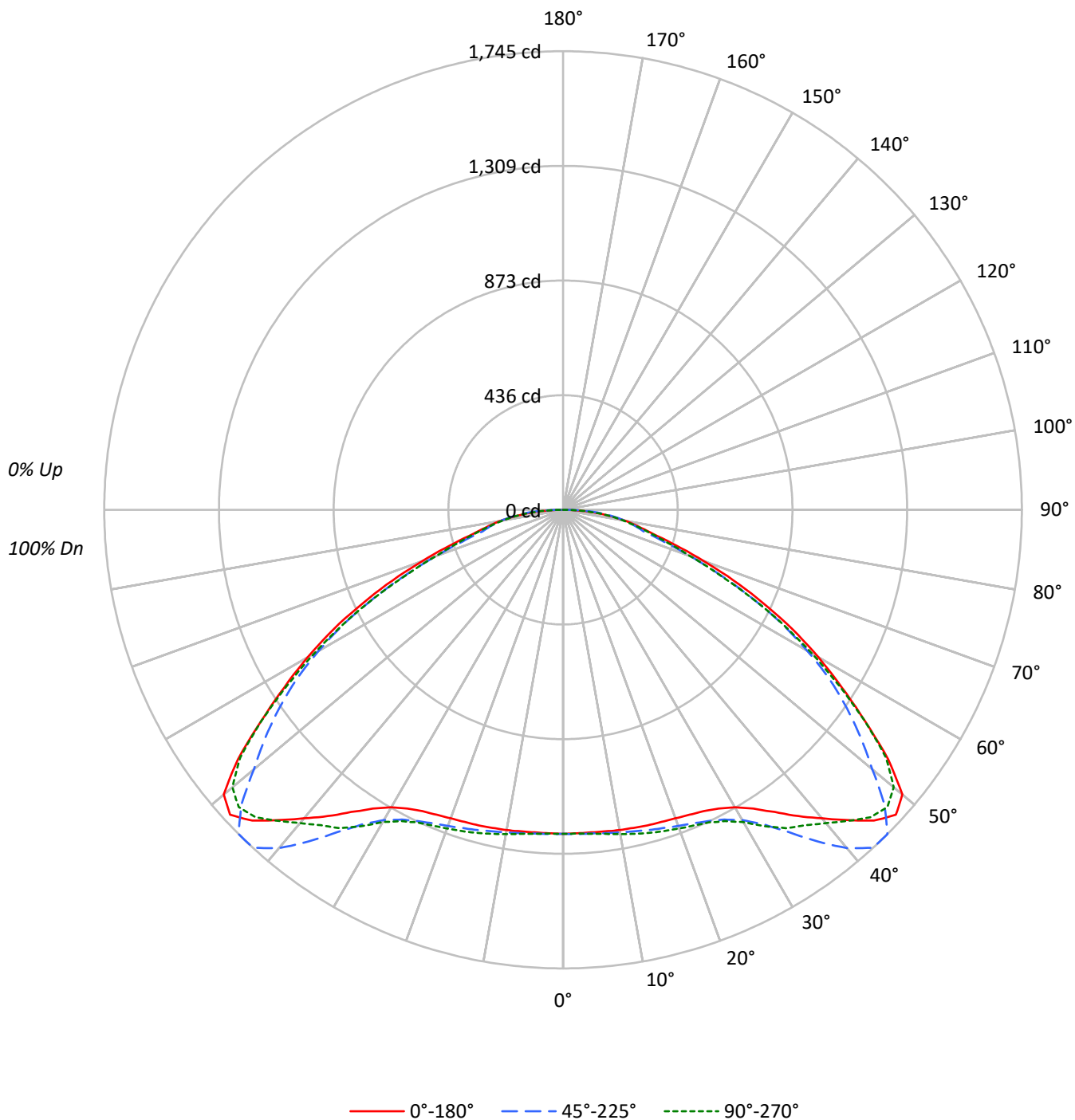
Lumens per Lamp: N/A
Luminaire Lumens: 5832.8 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3317	3317	3317
5°	3327	3339	3342
10°	3381	3405	3423
15°	3462	3514	3545
20°	3578	3666	3694
25°	3755	3880	3896
30°	4060	4235	4262
35°	4611	4915	4857
40°	5383	5902	5465
45°	6365	6641	6293
50°	7052	6425	6872
55°	6575	6187	6570
60°	6036	5775	5882
65°	5338	5037	5030
70°	4473	4031	4039
75°	3676	3299	3562
80°	3739	3722	3569
85°	3674	4421	3742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	2.0
10°-20°	357.5	6.1
20°-30°	604.4	10.4
30°-40°	929.4	15.9
40°-50°	1291.6	22.1
50°-60°	1215.8	20.8
60°-70°	803.0	13.8
70°-80°	373.1	6.4
80°-90°	139.7	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°	1080.2	18.5
0°-40°	2009.6	34.5
0°-60°	4517.1	77.4
0°-90°	5832.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5832.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1233	1233	1233	1233	1233	
5°	1232	1235	1236	1238	1237	118
15°	1243	1248	1261	1270	1272	352
25°	1265	1281	1307	1314	1312	589
35°	1404	1453	1496	1491	1478	888
45°	1672	1732	1745	1703	1654	1280
55°	1401	1382	1319	1364	1400	1256
65°	838	831	791	803	790	833
75°	354	340	317	327	343	396
85°	119	137	143	139	121	130
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1232.8	1232.8	1232.8	1232.8	1232.8
2.5°	1231.7	1233.9	1235.0	1236.1	1232.8
5°	1231.7	1235.0	1236.1	1238.3	1237.2
7.5°	1233.9	1237.2	1240.5	1242.7	1243.8
10°	1237.2	1240.5	1246.0	1252.6	1252.6
12.5°	1239.4	1244.9	1252.6	1261.4	1262.5
15°	1242.7	1248.2	1261.4	1270.3	1272.5
17.5°	1244.9	1253.7	1269.2	1280.2	1281.3
20°	1249.3	1259.2	1280.2	1290.1	1290.1
22.5°	1255.9	1269.2	1291.2	1300.0	1300.0
25°	1264.7	1281.3	1306.6	1314.3	1312.1
27.5°	1281.3	1301.1	1328.6	1337.5	1335.3
30°	1306.6	1333.1	1362.8	1373.8	1371.6
32.5°	1347.4	1380.4	1417.9	1427.8	1426.7
35°	1403.6	1453.1	1496.1	1490.6	1478.5
37.5°	1468.6	1542.4	1590.9	1539.1	1512.6
40°	1532.5	1632.7	1680.1	1596.4	1555.6
42.5°	1600.8	1703.2	1744.0	1662.5	1605.2
45°	1672.4	1731.9	1745.1	1703.2	1653.6
47.5°	1717.5	1686.7	1658.1	1683.4	1673.5
50°	1684.5	1580.9	1534.7	1583.1	1641.5
52.5°	1558.9	1482.9	1428.9	1474.1	1547.9
55°	1401.4	1381.5	1318.7	1363.9	1400.3
57.5°	1257.0	1272.5	1204.2	1238.3	1243.8
60°	1121.5	1132.5	1073.1	1101.7	1092.9
62.5°	983.8	984.9	938.6	955.2	942.0
65°	838.4	830.7	791.0	803.1	789.9
67.5°	701.8	684.2	646.7	652.2	640.1
70°	568.5	547.5	512.3	520.0	513.4
72.5°	449.5	433.0	402.1	412.0	418.6
75°	353.6	340.4	317.3	327.2	342.6
77.5°	293.1	276.5	278.7	272.1	283.1
80°	241.3	231.4	240.2	233.6	230.3
82.5°	179.6	189.5	192.8	196.1	179.6
85°	119.0	136.6	143.2	138.8	121.2
87.5°	58.4	73.8	76.0	74.9	62.8
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	21.1	19.8	21.5	21.8	19.2	21.0	19.6	21.3	21.6
	3H	20.7	22.3	21.0	22.6	22.9	20.4	22.0	20.8	22.3	22.7
	4H	21.1	22.5	21.4	22.9	23.3	20.8	22.3	21.2	22.6	23.0
	6H	21.4	22.8	21.8	23.2	23.5	21.1	22.5	21.5	22.9	23.3
	8H	21.5	22.9	22.0	23.3	23.7	21.3	22.6	21.7	23.0	23.4
	12H	21.7	22.9	22.1	23.3	23.8	21.4	22.7	21.8	23.1	23.5
4H	2H	19.8	21.3	20.2	21.7	22.1	19.7	21.2	20.1	21.5	21.9
	3H	21.3	22.5	21.7	22.9	23.3	21.0	22.3	21.4	22.7	23.1
	4H	21.8	22.9	22.2	23.3	23.8	21.5	22.7	22.0	23.1	23.5
	6H	22.3	23.2	22.7	23.7	24.1	22.0	23.0	22.5	23.5	23.9
	8H	22.5	23.4	22.9	23.8	24.3	22.2	23.2	22.7	23.6	24.1
	12H	22.7	23.5	23.1	24.0	24.4	22.5	23.3	22.9	23.8	24.2
8H	4H	22.0	22.9	22.4	23.3	23.8	21.7	22.7	22.2	23.1	23.6
	6H	22.6	23.4	23.1	23.8	24.3	22.4	23.1	22.9	23.6	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	24.8	23.0	23.7	23.5	24.1	24.7
12H	4H	22.0	22.8	22.5	23.3	23.8	21.8	22.6	22.2	23.1	23.6
	6H	22.6	23.4	23.2	23.8	24.3	22.4	23.2	23.0	23.6	24.1
	8H	23.0	23.6	23.5	24.1	24.7	22.8	23.5	23.4	24.0	24.5













(END OF REPORT)