

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: P1526834

Luminaire Tested: 22CGTX-50HE-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526834
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-50HE-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

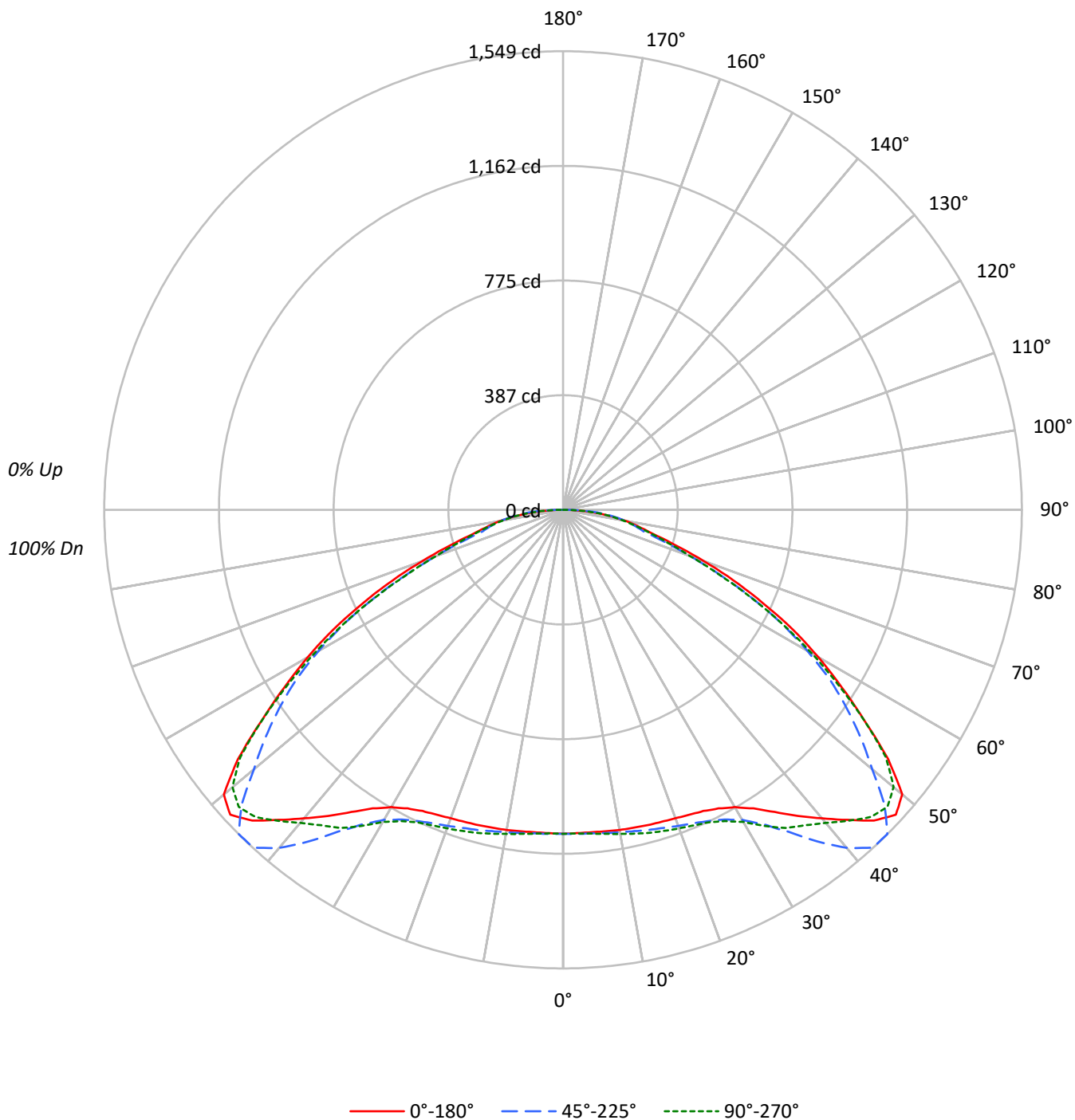
Lumens per Lamp: N/A
Luminaire Lumens: 5176.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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°	2944	2944	2944
5°	2952	2963	2966
10°	3000	3021	3037
15°	3072	3119	3146
20°	3175	3253	3278
25°	3332	3443	3457
30°	3603	3758	3782
35°	4092	4361	4310
40°	4777	5237	4849
45°	5648	5893	5584
50°	6258	5701	6098
55°	5834	5490	5830
60°	5356	5125	5219
65°	4737	4469	4464
70°	3969	3577	3585
75°	3263	2928	3161
80°	3318	3302	3166
85°	3260	3924	3319

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	2.0
10°-20°	317.2	6.1
20°-30°	536.3	10.4
30°-40°	824.7	15.9
40°-50°	1146.2	22.1
50°-60°	1078.9	20.8
60°-70°	712.5	13.8
70°-80°	331.1	6.4
80°-90°	123.9	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°	958.6	18.5
0°-40°	1783.3	34.5
0°-60°	4008.4	77.4
0°-90°	5176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1093	1096	1097	1099	1098	105
15°	1103	1108	1119	1127	1129	313
25°	1122	1137	1160	1166	1164	522
35°	1246	1290	1328	1323	1312	788
45°	1484	1537	1549	1511	1467	1136
55°	1244	1226	1170	1210	1243	1114
65°	744	737	702	713	701	739
75°	314	302	282	290	304	351
85°	106	121	127	123	108	115
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1094.0	1094.0	1094.0	1094.0	1094.0
2.5°	1093.0	1095.0	1095.9	1096.9	1094.0
5°	1093.0	1095.9	1096.9	1098.9	1097.9
7.5°	1095.0	1097.9	1100.8	1102.8	1103.8
10°	1097.9	1100.8	1105.7	1111.6	1111.6
12.5°	1099.8	1104.7	1111.6	1119.4	1120.4
15°	1102.8	1107.7	1119.4	1127.2	1129.2
17.5°	1104.7	1112.6	1126.2	1136.0	1137.0
20°	1108.6	1117.4	1136.0	1144.8	1144.8
22.5°	1114.5	1126.2	1145.8	1153.6	1153.6
25°	1122.3	1137.0	1159.5	1166.3	1164.4
27.5°	1137.0	1154.6	1179.0	1186.9	1184.9
30°	1159.5	1182.9	1209.3	1219.1	1217.2
32.5°	1195.7	1225.0	1258.2	1267.0	1266.0
35°	1245.5	1289.5	1327.6	1322.7	1312.0
37.5°	1303.2	1368.7	1411.7	1365.8	1342.3
40°	1359.9	1448.9	1490.9	1416.6	1380.4
42.5°	1420.5	1511.4	1547.6	1475.3	1424.4
45°	1484.1	1536.8	1548.6	1511.4	1467.4
47.5°	1524.1	1496.8	1471.3	1493.8	1485.0
50°	1494.8	1402.9	1361.9	1404.9	1456.7
52.5°	1383.4	1315.9	1268.0	1308.1	1373.6
55°	1243.6	1226.0	1170.2	1210.3	1242.6
57.5°	1115.5	1129.2	1068.6	1098.9	1103.8
60°	995.2	1005.0	952.2	977.6	969.8
62.5°	873.0	874.0	832.9	847.6	835.9
65°	744.0	737.1	701.9	712.7	701.0
67.5°	622.8	607.1	573.9	578.8	568.0
70°	504.5	485.9	454.6	461.4	455.6
72.5°	398.9	384.2	356.8	365.6	371.5
75°	313.8	302.1	281.6	290.4	304.0
77.5°	260.1	245.4	247.3	241.5	251.3
80°	214.1	205.3	213.1	207.3	204.3
82.5°	159.4	168.2	171.1	174.0	159.4
85°	105.6	121.2	127.1	123.2	107.5
87.5°	51.8	65.5	67.5	66.5	55.7
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	19.0	20.7	19.3	21.0	21.4	18.8	20.6	19.2	20.9	21.2
	3H	20.2	21.8	20.6	22.2	22.5	20.0	21.6	20.3	21.9	22.2
	4H	20.6	22.1	21.0	22.5	22.9	20.4	21.9	20.8	22.2	22.6
	6H	21.0	22.4	21.4	22.7	23.1	20.7	22.1	21.1	22.5	22.9
	8H	21.1	22.5	21.6	22.8	23.2	20.9	22.2	21.3	22.6	23.0
	12H	21.3	22.5	21.7	22.9	23.3	21.0	22.3	21.4	22.7	23.1
4H	2H	19.4	20.9	19.8	21.3	21.6	19.3	20.8	19.7	21.1	21.5
	3H	20.9	22.1	21.3	22.5	22.9	20.6	21.9	21.0	22.3	22.7
	4H	21.4	22.5	21.8	22.9	23.3	21.1	22.2	21.5	22.7	23.1
	6H	21.8	22.8	22.3	23.3	23.7	21.6	22.6	22.1	23.0	23.5
	8H	22.1	23.0	22.5	23.4	23.9	21.8	22.8	22.3	23.2	23.7
	12H	22.2	23.1	22.7	23.6	24.0	22.0	22.9	22.5	23.4	23.8
8H	4H	21.5	22.5	22.0	22.9	23.4	21.3	22.3	21.8	22.7	23.2
	6H	22.2	22.9	22.6	23.4	23.9	22.0	22.7	22.4	23.2	23.7
	8H	22.5	23.2	23.0	23.7	24.2	22.3	23.0	22.8	23.5	24.0
	12H	22.8	23.4	23.3	23.9	24.4	22.6	23.2	23.1	23.7	24.3
12H	4H	21.6	22.4	22.1	22.9	23.4	21.4	22.2	21.8	22.7	23.1
	6H	22.2	22.9	22.7	23.4	23.9	22.0	22.7	22.6	23.2	23.7
	8H	22.6	23.2	23.1	23.7	24.3	22.4	23.1	22.9	23.5	24.1















(END OF REPORT)