

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: P1526832

Luminaire Tested: 22CGTX-50-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526832
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-50-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

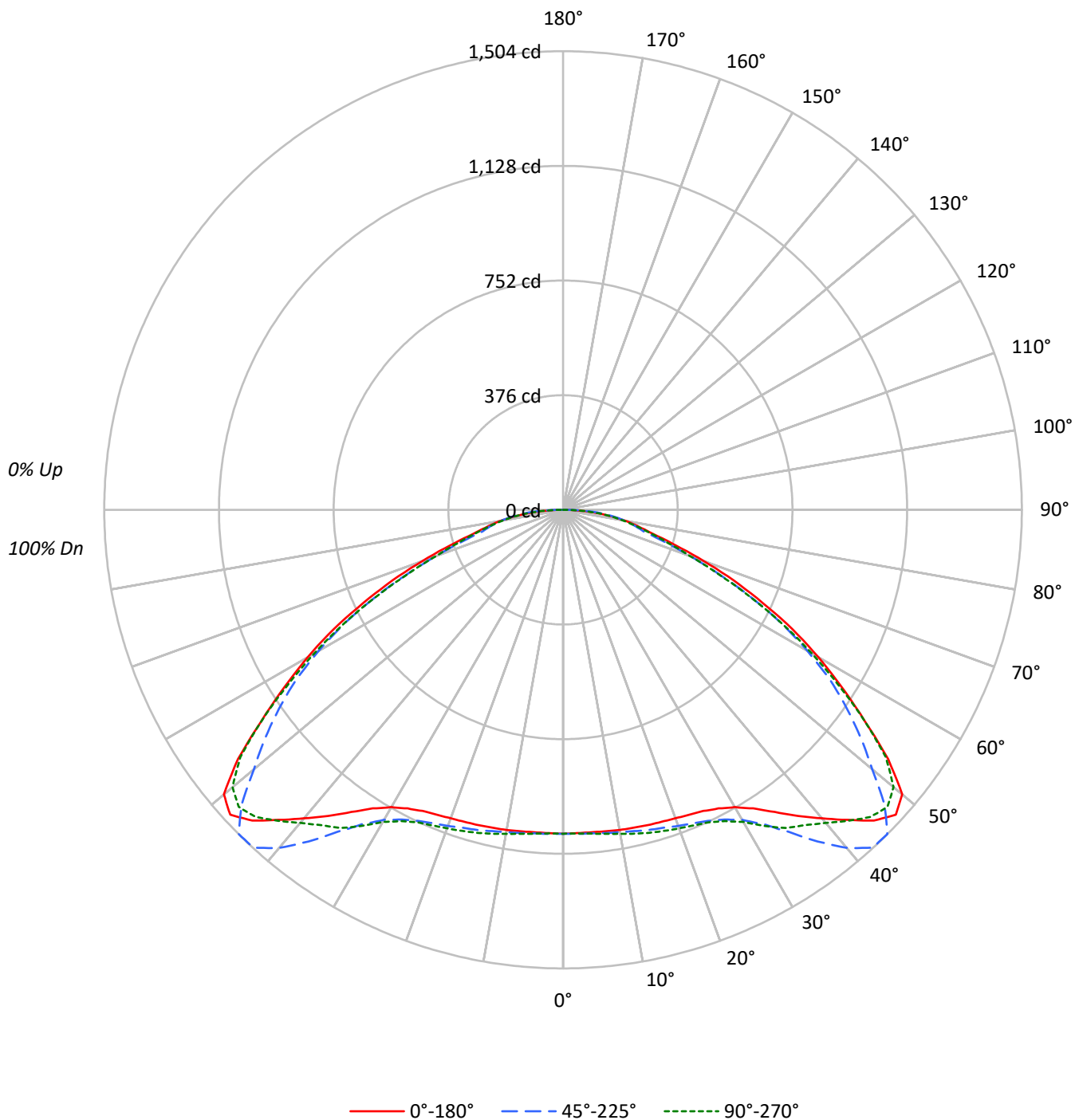
Lumens per Lamp: N/A
Luminaire Lumens: 5025.3 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	2858	2858	2858
5°	2867	2877	2879
10°	2913	2933	2949
15°	2983	3028	3054
20°	3082	3158	3183
25°	3235	3342	3357
30°	3498	3648	3672
35°	3972	4234	4185
40°	4638	5085	4708
45°	5483	5722	5422
50°	6076	5535	5921
55°	5664	5330	5660
60°	5200	4976	5068
65°	4599	4339	4334
70°	3854	3473	3480
75°	3168	2843	3069
80°	3222	3206	3075
85°	3165	3810	3223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 6076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	2.0
10°-20°	308.0	6.1
20°-30°	520.7	10.4
30°-40°	800.7	15.9
40°-50°	1112.8	22.1
50°-60°	1047.5	20.8
60°-70°	691.8	13.8
70°-80°	321.5	6.4
80°-90°	120.3	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°	930.7	18.5
0°-40°	1731.4	34.5
0°-60°	3891.7	77.4
0°-90°	5025.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5025.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1061	1064	1065	1067	1066	101
15°	1071	1075	1087	1094	1096	304
25°	1090	1104	1126	1132	1130	507
35°	1209	1252	1289	1284	1274	765
45°	1441	1492	1504	1467	1425	1102
55°	1207	1190	1136	1175	1206	1082
65°	722	716	682	692	681	717
75°	305	293	273	282	295	341
85°	102	118	123	120	104	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1062.1	1062.1	1062.1	1062.1	1062.1
2.5°	1061.2	1063.1	1064.0	1065.0	1062.1
5°	1061.2	1064.0	1065.0	1066.9	1065.9
7.5°	1063.1	1065.9	1068.8	1070.7	1071.6
10°	1065.9	1068.8	1073.5	1079.2	1079.2
12.5°	1067.8	1072.6	1079.2	1086.8	1087.7
15°	1070.7	1075.4	1086.8	1094.4	1096.3
17.5°	1072.6	1080.1	1093.4	1102.9	1103.9
20°	1076.4	1084.9	1102.9	1111.5	1111.5
22.5°	1082.0	1093.4	1112.4	1120.0	1120.0
25°	1089.6	1103.9	1125.7	1132.4	1130.5
27.5°	1103.9	1121.0	1144.7	1152.3	1150.4
30°	1125.7	1148.5	1174.1	1183.6	1181.7
32.5°	1160.8	1189.3	1221.6	1230.1	1229.2
35°	1209.2	1251.9	1289.0	1284.2	1273.8
37.5°	1265.2	1328.8	1370.6	1326.0	1303.2
40°	1320.3	1406.7	1447.5	1375.3	1340.2
42.5°	1379.1	1467.4	1502.5	1432.3	1382.9
45°	1440.8	1492.1	1503.5	1467.4	1424.7
47.5°	1479.7	1453.2	1428.5	1450.3	1441.8
50°	1451.3	1362.1	1322.2	1363.9	1414.3
52.5°	1343.1	1277.6	1231.1	1270.0	1333.6
55°	1207.3	1190.3	1136.1	1175.1	1206.4
57.5°	1083.0	1096.3	1037.4	1066.9	1071.6
60°	966.2	975.7	924.5	949.2	941.6
62.5°	847.6	848.6	808.7	822.9	811.5
65°	722.3	715.7	681.5	691.9	680.6
67.5°	604.6	589.4	557.2	561.9	551.5
70°	489.8	471.7	441.4	448.0	442.3
72.5°	387.3	373.0	346.4	355.0	360.7
75°	304.7	293.3	273.4	281.9	295.2
77.5°	252.5	238.2	240.1	234.4	243.9
80°	207.9	199.3	206.9	201.2	198.4
82.5°	154.7	163.3	166.1	169.0	154.7
85°	102.5	117.7	123.4	119.6	104.4
87.5°	50.3	63.6	65.5	64.5	54.1
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	18.9	20.6	19.2	20.9	21.3	18.7	20.5	19.1	20.8	21.1
	3H	20.1	21.7	20.5	22.1	22.4	19.9	21.5	20.2	21.8	22.1
	4H	20.5	22.0	20.9	22.4	22.8	20.3	21.8	20.7	22.1	22.5
	6H	20.9	22.3	21.3	22.6	23.0	20.6	22.0	21.0	22.4	22.7
	8H	21.0	22.4	21.5	22.7	23.1	20.8	22.1	21.2	22.5	22.9
	12H	21.1	22.4	21.6	22.8	23.2	20.9	22.2	21.3	22.6	23.0
4H	2H	19.3	20.8	19.7	21.2	21.5	19.2	20.7	19.6	21.0	21.4
	3H	20.8	22.0	21.2	22.4	22.8	20.5	21.8	20.9	22.2	22.6
	4H	21.3	22.4	21.7	22.8	23.2	21.0	22.1	21.4	22.6	23.0
	6H	21.7	22.7	22.2	23.2	23.6	21.5	22.5	22.0	22.9	23.4
	8H	22.0	22.9	22.4	23.3	23.8	21.7	22.7	22.2	23.1	23.6
	12H	22.1	23.0	22.6	23.5	23.9	21.9	22.8	22.4	23.3	23.7
8H	4H	21.4	22.4	21.9	22.8	23.3	21.2	22.1	21.7	22.6	23.1
	6H	22.1	22.8	22.5	23.3	23.8	21.8	22.6	22.3	23.1	23.6
	8H	22.4	23.1	22.9	23.6	24.1	22.2	22.9	22.7	23.4	23.9
	12H	22.7	23.3	23.2	23.8	24.3	22.5	23.1	23.0	23.6	24.2
12H	4H	21.5	22.3	22.0	22.8	23.3	21.3	22.1	21.7	22.6	23.0
	6H	22.1	22.8	22.6	23.3	23.8	21.9	22.6	22.4	23.1	23.6
	8H	22.5	23.1	23.0	23.6	24.2	22.3	23.0	22.8	23.4	24.0













(END OF REPORT)