

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: P1527053

Luminaire Tested: 22CGTX-50HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-50HE-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

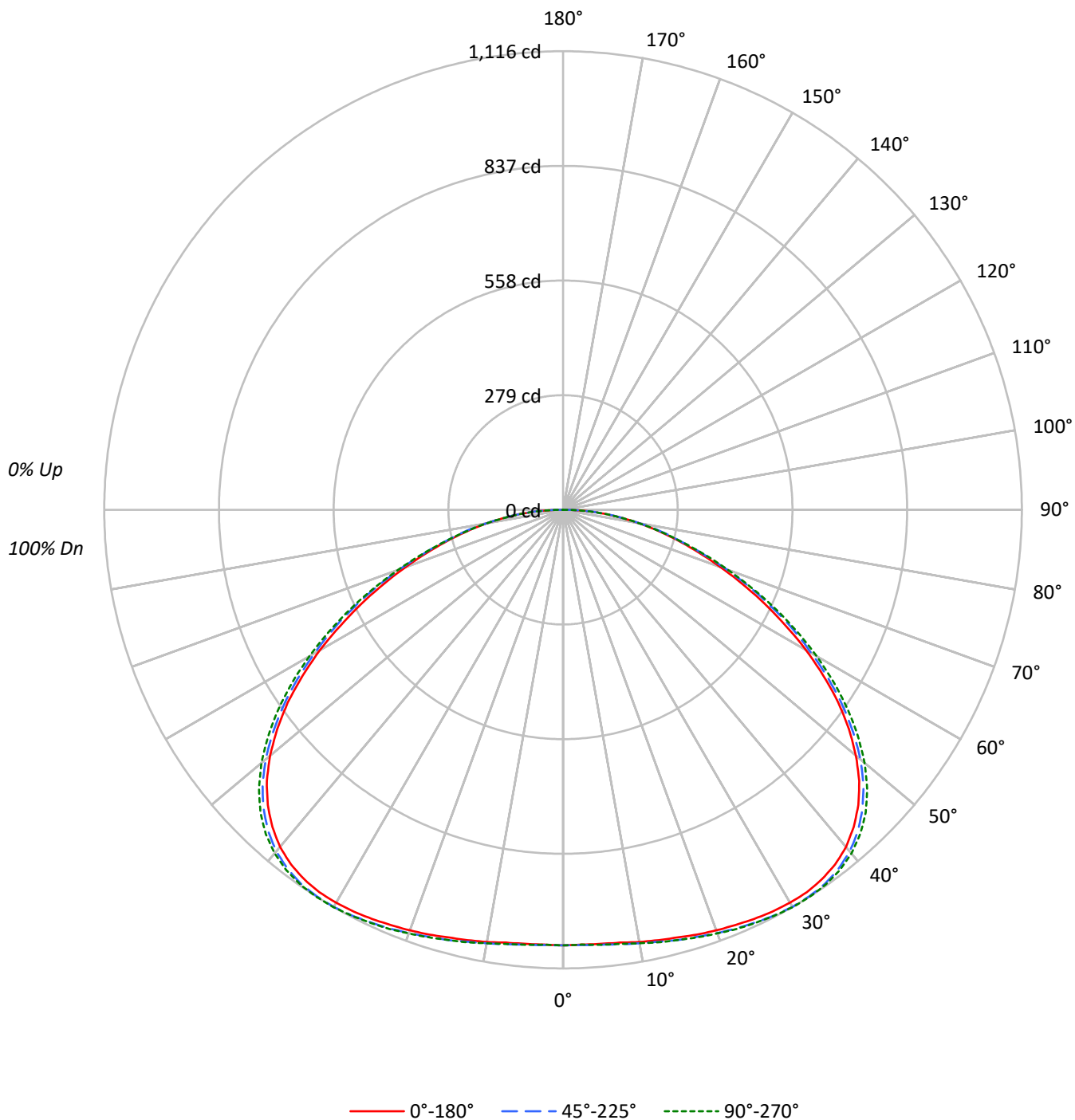
Lumens per Lamp: N/A
Luminaire Lumens: 4114.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	70	70	70	67
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	58	58	58	56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	49	49	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	42	42	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	37	37	37	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	32	32	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	28	28	28	26
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	25	25	25	24
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2852	2852	2852
5°	2863	2869	2869
10°	2917	2926	2926
15°	3001	3019	3019
20°	3119	3139	3141
25°	3261	3290	3292
30°	3430	3467	3469
35°	3606	3650	3658
40°	3762	3811	3834
45°	3866	3919	3961
50°	3893	3952	4008
55°	3834	3894	3964
60°	3674	3754	3835
65°	3444	3570	3630
70°	3203	3320	3358
75°	3005	3087	3087
80°	2904	2941	2916
85°	2819	2918	2819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	2.5
10°-20°	307.1	7.5
20°-30°	511.9	12.4
30°-40°	693.5	16.9
40°-50°	790.9	19.2
50°-60°	739.3	18.0
60°-70°	552.1	13.4
70°-80°	315.2	7.7
80°-90°	102.3	2.5
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°	920.6	22.4
0°-40°	1614.1	39.2
0°-60°	3144.3	76.4
0°-90°	4114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1060	1061	1062	1063	1062	101
15°	1077	1080	1084	1084	1084	306
25°	1098	1102	1108	1110	1109	508
35°	1098	1103	1111	1114	1113	687
45°	1016	1020	1030	1037	1041	781
55°	817	820	830	839	845	727
65°	541	549	561	564	570	536
75°	289	294	297	298	297	309
85°	91	95	94	93	91	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1059.1	1059.8	1059.8	1061.4	1059.1
5°	1059.8	1061.4	1062.2	1063.0	1062.2
7.5°	1062.2	1064.6	1066.1	1066.9	1065.4
10°	1067.7	1069.3	1070.9	1072.4	1070.9
12.5°	1072.4	1074.8	1076.4	1078.7	1078.0
15°	1077.2	1080.3	1083.5	1084.3	1083.5
17.5°	1083.5	1085.8	1089.0	1090.6	1090.6
20°	1089.0	1092.1	1096.1	1097.6	1096.9
22.5°	1093.7	1097.6	1102.4	1104.7	1103.9
25°	1098.4	1102.4	1107.9	1109.5	1108.7
27.5°	1102.4	1107.1	1112.6	1115.0	1113.4
30°	1103.9	1108.7	1115.8	1117.3	1116.5
32.5°	1103.2	1107.9	1115.0	1117.3	1116.5
35°	1097.6	1103.2	1111.0	1114.2	1113.4
37.5°	1087.4	1092.9	1100.8	1104.7	1105.5
40°	1070.9	1076.4	1085.0	1090.6	1091.3
42.5°	1046.5	1052.0	1061.4	1067.7	1070.1
45°	1015.8	1020.5	1029.9	1037.0	1040.9
47.5°	977.2	981.1	991.3	999.2	1003.2
50°	929.9	933.9	944.1	952.0	957.5
52.5°	876.4	879.5	889.8	899.2	903.9
55°	817.3	819.7	829.9	839.4	844.9
57.5°	750.4	757.5	765.4	774.0	780.3
60°	682.7	688.2	697.6	706.3	712.6
62.5°	610.2	620.5	631.5	636.2	641.7
65°	540.9	548.8	560.6	563.8	570.1
67.5°	472.4	481.1	491.3	493.7	497.6
70°	407.1	414.2	422.0	425.2	426.8
72.5°	345.7	351.2	356.7	359.1	359.1
75°	289.0	293.7	296.9	297.6	296.9
77.5°	237.8	238.6	245.7	240.9	240.2
80°	187.4	187.4	189.8	189.8	188.2
82.5°	138.6	141.7	140.9	140.2	137.8
85°	91.3	95.3	94.5	92.9	91.3
87.5°	44.9	49.6	47.2	49.6	45.7
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	17.1	18.8	17.4	19.1	19.4	17.2	19.0	17.6	19.3	19.6
	3H	18.8	20.3	19.1	20.6	21.0	19.0	20.5	19.4	20.8	21.2
	4H	19.4	20.9	19.8	21.2	21.6	19.6	21.1	20.0	21.4	21.8
	6H	19.9	21.3	20.3	21.7	22.0	20.1	21.5	20.5	21.8	22.2
	8H	20.1	21.4	20.6	21.8	22.2	20.3	21.6	20.7	22.0	22.4
	12H	20.3	21.5	20.7	21.9	22.3	20.4	21.7	20.9	22.1	22.5
4H	2H	17.7	19.2	18.1	19.5	19.9	17.9	19.3	18.3	19.7	20.0
	3H	19.6	20.9	20.0	21.3	21.7	19.8	21.0	20.2	21.4	21.8
	4H	20.4	21.5	20.8	21.9	22.4	20.6	21.7	21.0	22.1	22.5
	6H	21.1	22.1	21.5	22.5	22.9	21.2	22.2	21.7	22.6	23.1
	8H	21.3	22.3	21.8	22.7	23.2	21.5	22.4	21.9	22.8	23.3
	12H	21.5	22.4	22.0	22.8	23.3	21.7	22.5	22.1	23.0	23.4
8H	4H	20.8	21.7	21.2	22.1	22.6	20.9	21.8	21.4	22.3	22.7
	6H	21.6	22.3	22.0	22.8	23.3	21.7	22.4	22.2	22.9	23.4
	8H	21.9	22.6	22.4	23.1	23.6	22.0	22.7	22.5	23.2	23.7
	12H	22.2	22.8	22.7	23.3	23.9	22.3	22.9	22.8	23.4	24.0
12H	4H	20.8	21.6	21.3	22.1	22.6	20.9	21.8	21.4	22.2	22.7
	6H	21.6	22.3	22.2	22.8	23.3	21.8	22.5	22.3	22.9	23.5
	8H	22.0	22.7	22.6	23.1	23.7	22.2	22.8	22.7	23.3	23.8













(END OF REPORT)