

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: P1527050

Luminaire Tested: 22CGTX-50HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527050
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

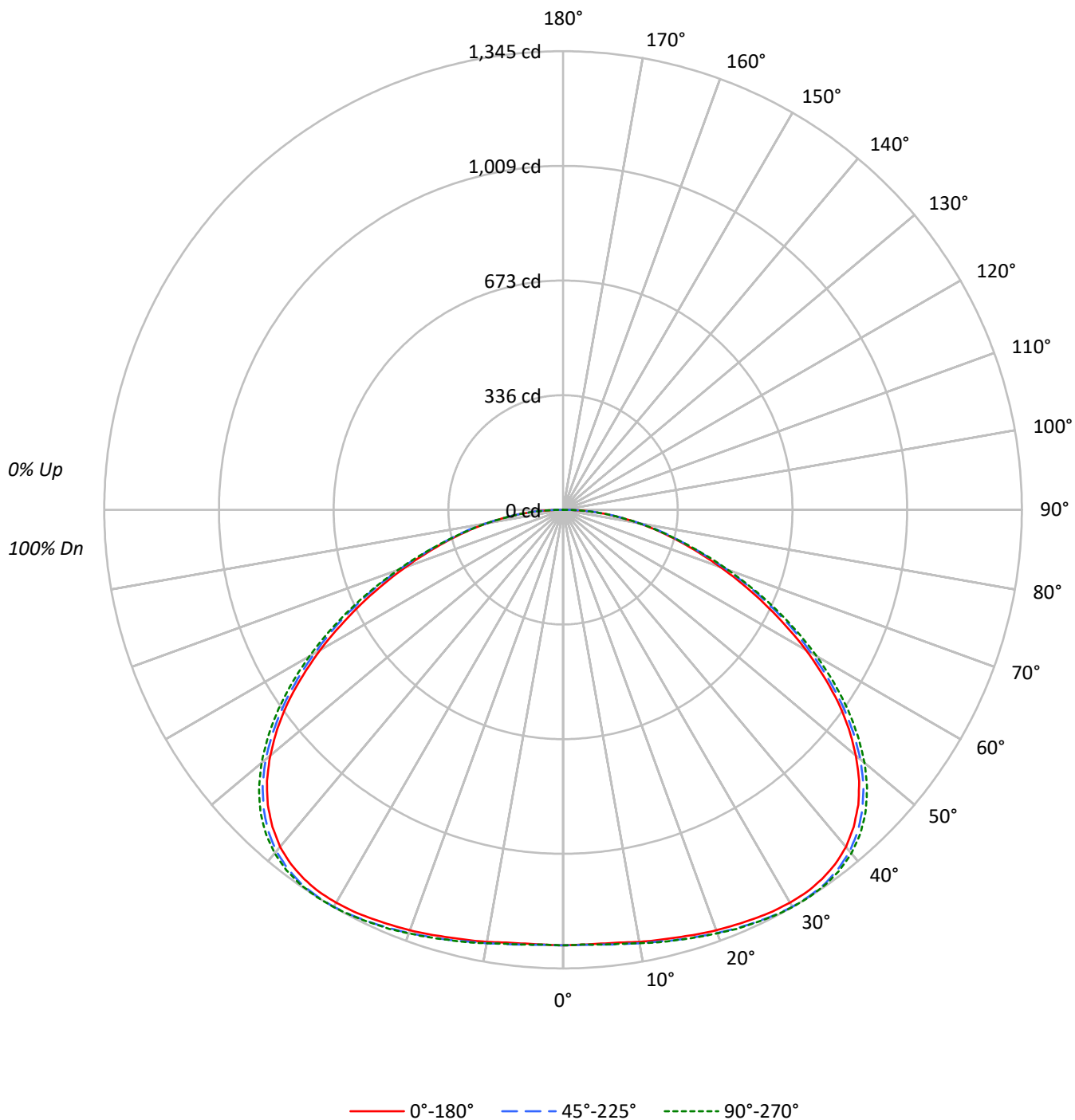
Lumens per Lamp: N/A
Luminaire Lumens: 4957.2 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3437	3437	3437
5°	3450	3457	3457
10°	3516	3526	3526
15°	3616	3637	3637
20°	3758	3782	3785
25°	3930	3964	3967
30°	4133	4177	4181
35°	4345	4398	4407
40°	4533	4593	4619
45°	4658	4723	4773
50°	4691	4762	4830
55°	4620	4692	4776
60°	4427	4524	4621
65°	4150	4301	4374
70°	3859	4002	4046
75°	3620	3719	3719
80°	3499	3544	3515
85°	3399	3517	3399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	2.5
10°-20°	370.1	7.5
20°-30°	616.8	12.4
30°-40°	835.6	16.9
40°-50°	953.0	19.2
50°-60°	890.8	18.0
60°-70°	665.3	13.4
70°-80°	379.8	7.7
80°-90°	123.3	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°	1109.3	22.4
0°-40°	1944.9	39.2
0°-60°	3788.8	76.4
0°-90°	4957.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4957.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1277	1277	1277	1277	1277	
5°	1277	1279	1280	1281	1280	122
15°	1298	1302	1306	1306	1306	369
25°	1324	1328	1335	1337	1336	613
35°	1323	1329	1339	1342	1342	828
45°	1224	1230	1241	1250	1254	941
55°	985	988	1000	1011	1018	876
65°	652	661	676	679	687	646
75°	348	354	358	359	358	372
85°	110	115	114	112	110	121
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1277.1	1277.1	1277.1	1277.1	1277.1
2.5°	1276.1	1277.1	1277.1	1279.0	1276.1
5°	1277.1	1279.0	1279.9	1280.9	1279.9
7.5°	1279.9	1282.8	1284.7	1285.6	1283.7
10°	1286.6	1288.5	1290.4	1292.3	1290.4
12.5°	1292.3	1295.1	1297.0	1299.8	1298.9
15°	1297.9	1301.7	1305.5	1306.5	1305.5
17.5°	1305.5	1308.4	1312.2	1314.1	1314.1
20°	1312.2	1316.0	1320.7	1322.6	1321.7
22.5°	1317.9	1322.6	1328.3	1331.2	1330.2
25°	1323.6	1328.3	1334.9	1336.8	1335.9
27.5°	1328.3	1334.0	1340.6	1343.5	1341.6
30°	1330.2	1335.9	1344.4	1346.3	1345.4
32.5°	1329.3	1334.9	1343.5	1346.3	1345.4
35°	1322.6	1329.3	1338.7	1342.5	1341.6
37.5°	1310.3	1316.9	1326.4	1331.2	1332.1
40°	1290.4	1297.0	1307.4	1314.1	1315.0
42.5°	1260.9	1267.6	1279.0	1286.6	1289.4
45°	1223.9	1229.6	1241.0	1249.6	1254.3
47.5°	1177.4	1182.2	1194.5	1204.0	1208.8
50°	1120.5	1125.3	1137.6	1147.1	1153.7
52.5°	1056.0	1059.8	1072.1	1083.5	1089.2
55°	984.8	987.7	1000.0	1011.4	1018.1
57.5°	904.2	912.7	922.2	932.7	940.3
60°	822.6	829.2	840.6	851.1	858.7
62.5°	735.3	747.6	760.9	766.6	773.3
65°	651.8	661.3	675.5	679.3	686.9
67.5°	569.3	579.7	592.0	594.9	599.6
70°	490.5	499.1	508.6	512.3	514.2
72.5°	416.5	423.2	429.8	432.6	432.6
75°	348.2	353.9	357.7	358.6	357.7
77.5°	286.5	287.5	296.0	290.3	289.4
80°	225.8	225.8	228.7	228.7	226.8
82.5°	167.0	170.8	169.8	168.9	166.0
85°	110.1	114.8	113.9	112.0	110.1
87.5°	54.1	59.8	56.9	59.8	55.0
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	17.7	19.4	18.1	19.7	20.1	17.9	19.6	18.3	19.9	20.2
	3H	19.4	21.0	19.8	21.3	21.6	19.6	21.2	20.0	21.5	21.9
	4H	20.1	21.5	20.5	21.9	22.2	20.3	21.7	20.7	22.1	22.4
	6H	20.6	21.9	21.0	22.3	22.7	20.8	22.1	21.2	22.5	22.9
	8H	20.8	22.1	21.2	22.5	22.9	21.0	22.3	21.4	22.6	23.0
	12H	20.9	22.2	21.4	22.6	23.0	21.1	22.3	21.5	22.7	23.2
4H	2H	18.4	19.8	18.8	20.2	20.5	18.5	20.0	18.9	20.3	20.7
	3H	20.3	21.5	20.7	21.9	22.3	20.5	21.7	20.9	22.1	22.5
	4H	21.1	22.2	21.5	22.6	23.0	21.2	22.3	21.7	22.8	23.2
	6H	21.7	22.7	22.2	23.1	23.6	21.9	22.9	22.3	23.3	23.7
	8H	22.0	22.9	22.4	23.3	23.8	22.1	23.0	22.6	23.5	23.9
	12H	22.2	23.0	22.7	23.5	24.0	22.3	23.1	22.8	23.6	24.1
8H	4H	21.4	22.3	21.9	22.8	23.2	21.5	22.5	22.0	22.9	23.4
	6H	22.2	23.0	22.7	23.5	23.9	22.3	23.1	22.8	23.6	24.1
	8H	22.6	23.2	23.1	23.7	24.2	22.7	23.3	23.2	23.9	24.3
	12H	22.9	23.5	23.4	24.0	24.5	23.0	23.6	23.5	24.1	24.6
12H	4H	21.4	22.3	21.9	22.7	23.2	21.6	22.4	22.1	22.9	23.4
	6H	22.3	23.0	22.8	23.4	24.0	22.4	23.1	22.9	23.6	24.1
	8H	22.7	23.3	23.2	23.8	24.4	22.8	23.4	23.3	23.9	24.5















(END OF REPORT)