

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: P1527046

Luminaire Tested: 22CGTX-45HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527046
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-45HE-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

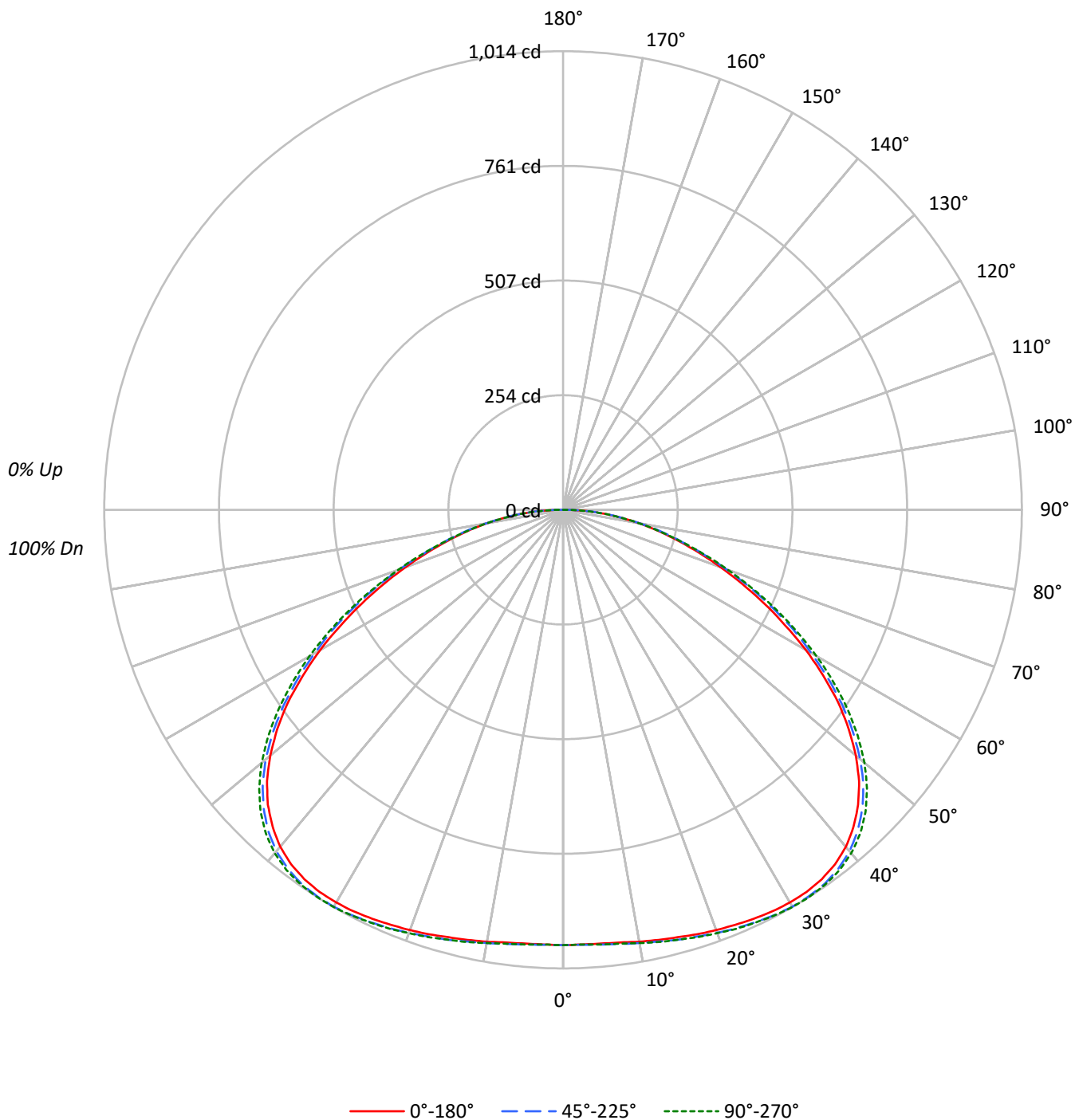
Lumens per Lamp: N/A
Luminaire Lumens: 3736.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.2
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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	103	98	94	105	101	97	93		96	93	90		92	90	87		89	87	84
2	98	89	82	76	95	87	80	75		83	78	73		80	75	71		77	73	70
3	89	77	69	62	86	76	68	61		73	66	60		70	64	59		67	62	58
4	81	68	59	52	78	67	58	51		64	57	51		62	55	50		59	54	49
5	74	60	51	44	72	59	50	44		57	49	43		55	48	43		53	47	42
6	68	54	45	38	66	53	44	38		51	43	37		49	42	37		48	41	37
7	63	49	39	33	61	48	39	33		46	38	33		45	38	32		43	37	32
8	58	44	35	29	57	43	35	29		42	34	29		41	34	29		39	33	28
9	54	40	32	26	53	40	31	26		38	31	26		37	30	26		36	30	25
10	51	37	29	23	49	36	29	23		35	28	23		34	28	23		34	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2590	2590	2590
5°	2600	2606	2606
10°	2649	2657	2657
15°	2725	2741	2741
20°	2832	2851	2853
25°	2962	2987	2989
30°	3115	3148	3151
35°	3275	3314	3322
40°	3416	3461	3482
45°	3510	3559	3597
50°	3535	3589	3640
55°	3482	3536	3600
60°	3337	3409	3483
65°	3128	3242	3296
70°	2909	3016	3050
75°	2728	2803	2803
80°	2638	2670	2648
85°	2560	2649	2560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	2.5
10°-20°	278.9	7.5
20°-30°	464.8	12.4
30°-40°	629.7	16.9
40°-50°	718.2	19.2
50°-60°	671.4	18.0
60°-70°	501.4	13.4
70°-80°	286.3	7.7
80°-90°	92.9	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°	836.0	22.4
0°-40°	1465.8	39.2
0°-60°	2855.4	76.4
0°-90°	3736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	962	964	965	965	965	92
15°	978	981	984	985	984	278
25°	998	1001	1006	1008	1007	462
35°	997	1002	1009	1012	1011	624
45°	922	927	935	942	945	709
55°	742	744	754	762	767	660
65°	491	498	509	512	518	487
75°	262	267	270	270	270	280
85°	83	86	86	84	83	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.5	962.5	962.5	962.5	962.5
2.5°	961.8	962.5	962.5	963.9	961.8
5°	962.5	963.9	964.6	965.3	964.6
7.5°	964.6	966.8	968.2	968.9	967.5
10°	969.6	971.0	972.5	973.9	972.5
12.5°	973.9	976.1	977.5	979.6	978.9
15°	978.2	981.1	983.9	984.6	983.9
17.5°	983.9	986.1	988.9	990.4	990.4
20°	988.9	991.8	995.4	996.8	996.1
22.5°	993.2	996.8	1001.1	1003.2	1002.5
25°	997.5	1001.1	1006.1	1007.5	1006.8
27.5°	1001.1	1005.4	1010.4	1012.5	1011.1
30°	1002.5	1006.8	1013.2	1014.7	1014.0
32.5°	1001.8	1006.1	1012.5	1014.7	1014.0
35°	996.8	1001.8	1008.9	1011.8	1011.1
37.5°	987.5	992.5	999.6	1003.2	1003.9
40°	972.5	977.5	985.3	990.4	991.1
42.5°	950.3	955.3	963.9	969.6	971.8
45°	922.4	926.7	935.3	941.7	945.3
47.5°	887.4	891.0	900.3	907.4	911.0
50°	844.5	848.1	857.4	864.5	869.5
52.5°	795.9	798.7	808.0	816.6	820.9
55°	742.2	744.4	753.7	762.3	767.3
57.5°	681.4	687.9	695.0	702.9	708.6
60°	620.0	625.0	633.5	641.4	647.1
62.5°	554.2	563.5	573.5	577.8	582.8
65°	491.2	498.4	509.1	512.0	517.7
67.5°	429.0	436.9	446.2	448.3	451.9
70°	369.7	376.1	383.3	386.1	387.6
72.5°	313.9	318.9	323.9	326.1	326.1
75°	262.4	266.7	269.6	270.3	269.6
77.5°	215.9	216.7	223.1	218.8	218.1
80°	170.2	170.2	172.3	172.3	170.9
82.5°	125.8	128.7	128.0	127.3	125.1
85°	82.9	86.5	85.8	84.4	82.9
87.5°	40.8	45.0	42.9	45.0	41.5
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	16.7	18.4	17.1	18.8	19.1	16.9	18.6	17.3	18.9	19.2
	3H	18.4	20.0	18.8	20.3	20.7	18.6	20.2	19.0	20.5	20.9
	4H	19.1	20.5	19.5	20.9	21.3	19.3	20.7	19.7	21.1	21.5
	6H	19.6	21.0	20.0	21.3	21.7	19.8	21.1	20.2	21.5	21.9
	8H	19.8	21.1	20.2	21.5	21.9	20.0	21.3	20.4	21.7	22.1
	12H	20.0	21.2	20.4	21.6	22.0	20.1	21.4	20.5	21.7	22.2
4H	2H	17.4	18.8	17.8	19.2	19.6	17.5	19.0	17.9	19.3	19.7
	3H	19.3	20.5	19.7	20.9	21.3	19.5	20.7	19.9	21.1	21.5
	4H	20.1	21.2	20.5	21.6	22.0	20.2	21.4	20.7	21.8	22.2
	6H	20.7	21.7	21.2	22.2	22.6	20.9	21.9	21.3	22.3	22.8
	8H	21.0	21.9	21.5	22.4	22.8	21.1	22.1	21.6	22.5	23.0
	12H	21.2	22.0	21.7	22.5	23.0	21.3	22.2	21.8	22.6	23.1
8H	4H	20.4	21.3	20.9	21.8	22.2	20.6	21.5	21.0	21.9	22.4
	6H	21.2	22.0	21.7	22.5	22.9	21.3	22.1	21.8	22.6	23.1
	8H	21.6	22.3	22.1	22.8	23.2	21.7	22.4	22.2	22.9	23.4
	12H	21.9	22.5	22.4	23.0	23.5	22.0	22.6	22.5	23.1	23.6
12H	4H	20.5	21.3	20.9	21.8	22.2	20.6	21.4	21.1	21.9	22.4
	6H	21.3	22.0	21.8	22.5	23.0	21.4	22.1	21.9	22.6	23.1
	8H	21.7	22.3	22.2	22.8	23.4	21.8	22.4	22.3	22.9	23.5













(END OF REPORT)