

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: P1527025

Luminaire Tested: 22CGTX-25HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527025
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-25HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

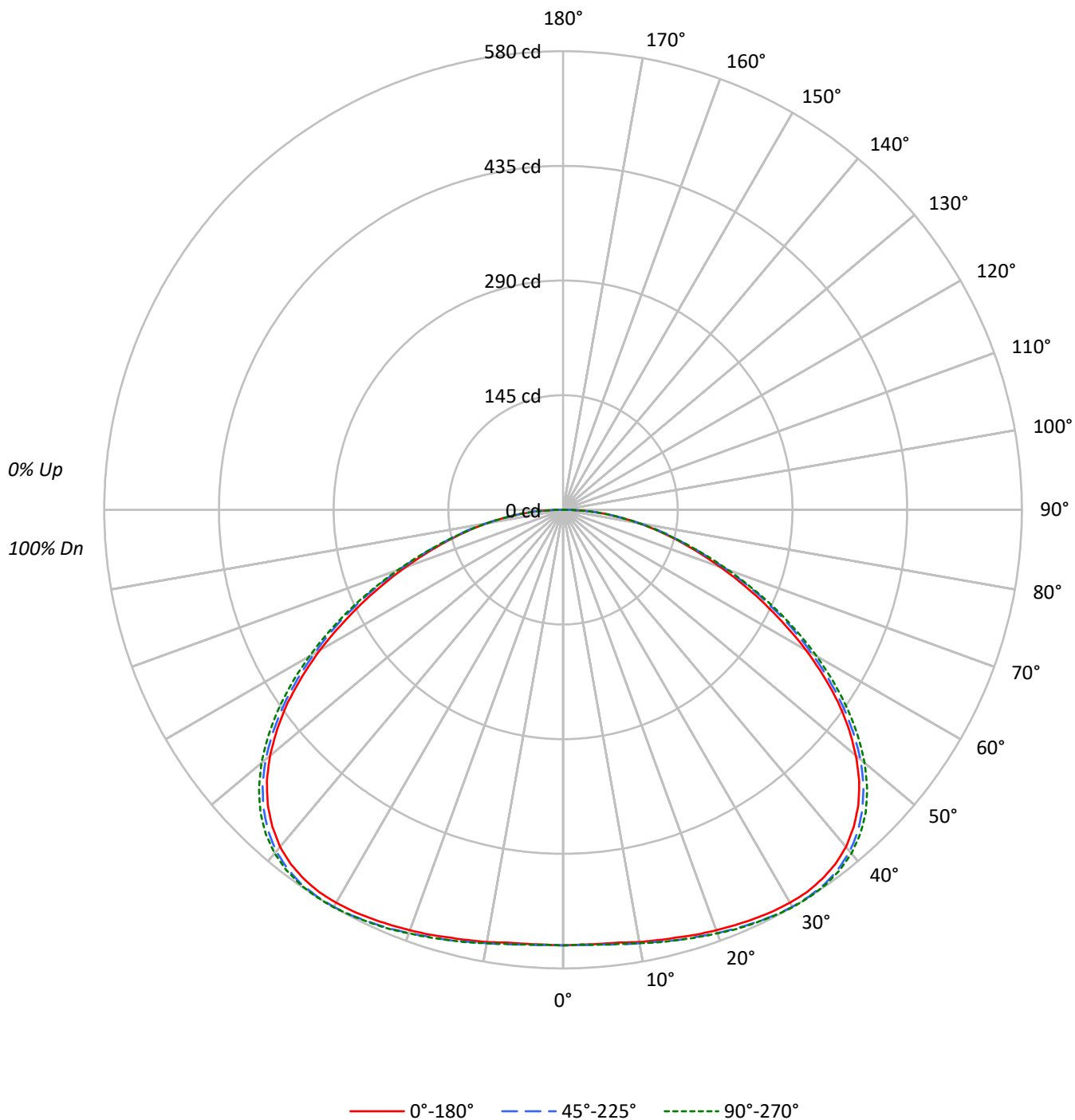
Lumens per Lamp: N/A
Luminaire Lumens: 2138.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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°	1482	1482	1482
5°	1488	1491	1491
10°	1516	1521	1521
15°	1560	1569	1569
20°	1621	1631	1632
25°	1695	1710	1711
30°	1783	1802	1803
35°	1874	1897	1901
40°	1955	1981	1992
45°	2009	2037	2059
50°	2023	2054	2083
55°	1993	2023	2060
60°	1910	1951	1993
65°	1790	1855	1887
70°	1665	1725	1745
75°	1562	1604	1604
80°	1509	1528	1516
85°	1467	1516	1467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2083 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	2.5
10°-20°	159.6	7.5
20°-30°	266.0	12.4
30°-40°	360.4	16.9
40°-50°	411.0	19.2
50°-60°	384.2	18.0
60°-70°	286.9	13.4
70°-80°	163.8	7.7
80°-90°	53.2	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°	478.4	22.4
0°-40°	838.8	39.2
0°-60°	1634.1	76.4
0°-90°	2138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	551	551	551	551	551	
5°	551	552	552	552	552	53
15°	560	561	563	564	563	159
25°	571	573	576	577	576	264
35°	570	573	577	579	579	357
45°	528	530	535	539	541	406
55°	425	426	431	436	439	378
65°	281	285	291	293	296	279
75°	150	153	154	155	154	160
85°	48	50	49	48	48	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	550.8	550.8	550.8	550.8	550.8
2.5°	550.4	550.8	550.8	551.6	550.4
5°	550.8	551.6	552.0	552.4	552.0
7.5°	552.0	553.2	554.1	554.5	553.7
10°	554.9	555.7	556.5	557.3	556.5
12.5°	557.3	558.6	559.4	560.6	560.2
15°	559.8	561.4	563.1	563.5	563.1
17.5°	563.1	564.3	565.9	566.7	566.7
20°	565.9	567.6	569.6	570.4	570.0
22.5°	568.4	570.4	572.9	574.1	573.7
25°	570.8	572.9	575.8	576.6	576.2
27.5°	572.9	575.3	578.2	579.4	578.6
30°	573.7	576.2	579.8	580.7	580.3
32.5°	573.3	575.8	579.4	580.7	580.3
35°	570.4	573.3	577.4	579.0	578.6
37.5°	565.1	568.0	572.1	574.1	574.5
40°	556.5	559.4	563.9	566.7	567.2
42.5°	543.8	546.7	551.6	554.9	556.1
45°	527.9	530.3	535.2	538.9	541.0
47.5°	507.8	509.9	515.2	519.3	521.3
50°	483.3	485.3	490.6	494.7	497.6
52.5°	455.4	457.1	462.4	467.3	469.8
55°	424.8	426.0	431.3	436.2	439.1
57.5°	390.0	393.7	397.7	402.2	405.5
60°	354.8	357.6	362.6	367.1	370.3
62.5°	317.1	322.5	328.2	330.6	333.5
65°	281.1	285.2	291.4	293.0	296.3
67.5°	245.5	250.0	255.3	256.6	258.6
70°	211.6	215.2	219.3	221.0	221.8
72.5°	179.6	182.5	185.4	186.6	186.6
75°	150.2	152.6	154.3	154.7	154.3
77.5°	123.6	124.0	127.7	125.2	124.8
80°	97.4	97.4	98.6	98.6	97.8
82.5°	72.0	73.7	73.2	72.8	71.6
85°	47.5	49.5	49.1	48.3	47.5
87.5°	23.3	25.8	24.6	25.8	23.7
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	14.8	16.5	15.2	16.8	17.1	15.0	16.7	15.3	17.0	17.3
	3H	16.5	18.0	16.9	18.4	18.7	16.7	18.2	17.1	18.6	18.9
	4H	17.1	18.6	17.5	18.9	19.3	17.3	18.8	17.7	19.1	19.5
	6H	17.7	19.0	18.1	19.4	19.8	17.8	19.2	18.3	19.6	20.0
	8H	17.9	19.2	18.3	19.5	19.9	18.0	19.3	18.5	19.7	20.1
	12H	18.0	19.3	18.4	19.6	20.1	18.2	19.4	18.6	19.8	20.2
4H	2H	15.4	16.9	15.8	17.3	17.6	15.6	17.0	16.0	17.4	17.8
	3H	17.4	18.6	17.8	19.0	19.4	17.5	18.8	17.9	19.2	19.6
	4H	18.1	19.3	18.6	19.7	20.1	18.3	19.4	18.7	19.8	20.3
	6H	18.8	19.8	19.3	20.2	20.7	19.0	19.9	19.4	20.4	20.8
	8H	19.1	20.0	19.5	20.4	20.9	19.2	20.1	19.7	20.6	21.0
	12H	19.3	20.1	19.8	20.6	21.0	19.4	20.2	19.9	20.7	21.2
8H	4H	18.5	19.4	18.9	19.8	20.3	18.6	19.5	19.1	20.0	20.4
	6H	19.3	20.0	19.8	20.5	21.0	19.4	20.2	19.9	20.7	21.1
	8H	19.6	20.3	20.1	20.8	21.3	19.7	20.4	20.2	20.9	21.4
	12H	19.9	20.6	20.4	21.0	21.6	20.0	20.6	20.5	21.1	21.7
12H	4H	18.5	19.4	19.0	19.8	20.3	18.7	19.5	19.1	20.0	20.4
	6H	19.4	20.1	19.9	20.5	21.1	19.5	20.2	20.0	20.6	21.2
	8H	19.8	20.4	20.3	20.9	21.4	19.9	20.5	20.4	21.0	21.5













(END OF REPORT)