

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: P1527026

Luminaire Tested: 22CGTX-25HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527026
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

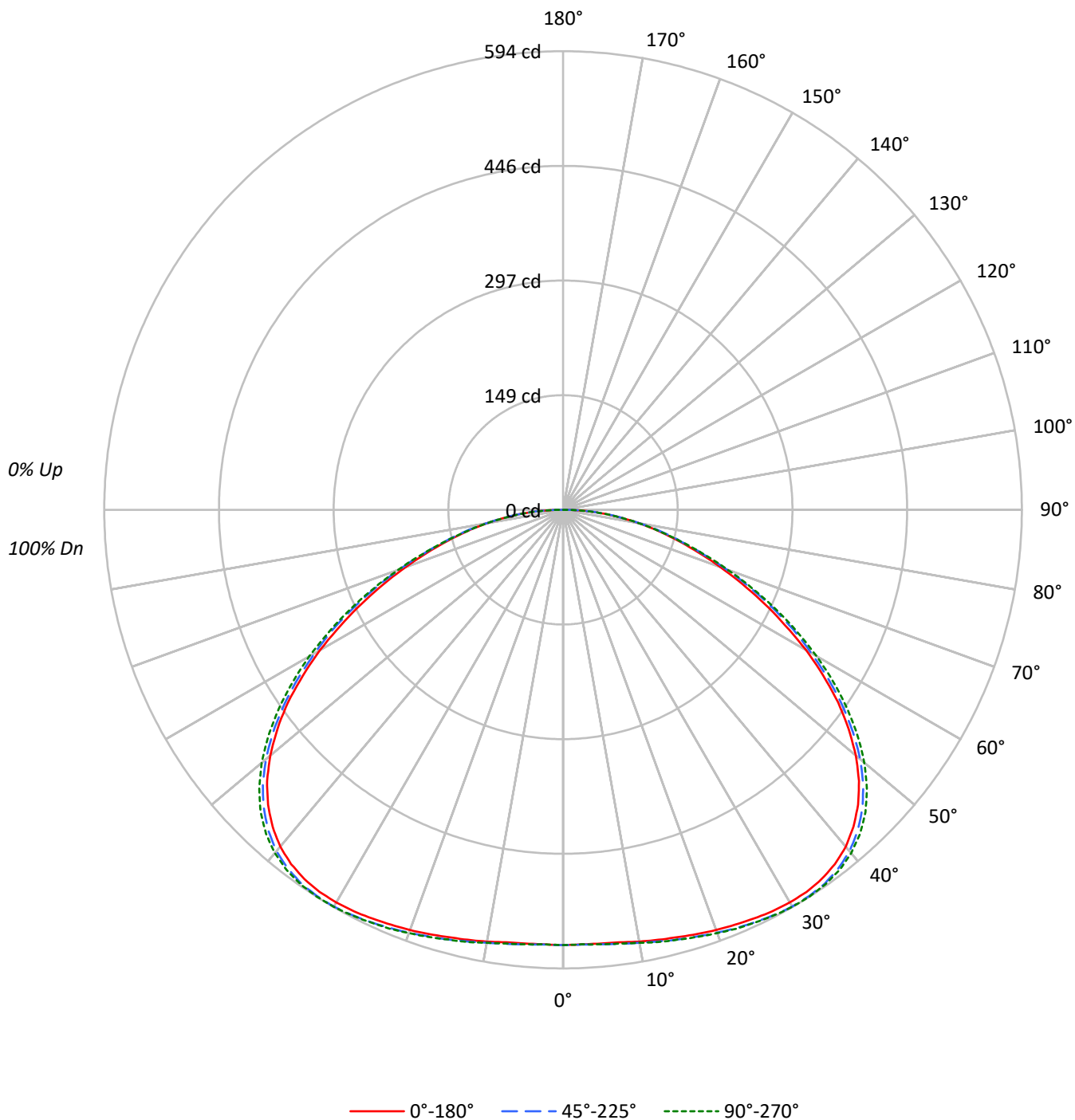
Lumens per Lamp: N/A
Luminaire Lumens: 2188.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70		67
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59	54	49		47
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53	47	42		40
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48	41	37		34
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43	37	32		30
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39	33	28		26
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36	30	25		24
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34	27	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1517	1517	1517
5°	1523	1526	1526
10°	1552	1556	1556
15°	1596	1605	1605
20°	1659	1669	1671
25°	1735	1749	1751
30°	1824	1844	1845
35°	1918	1941	1945
40°	2001	2027	2039
45°	2056	2085	2107
50°	2071	2102	2132
55°	2039	2071	2108
60°	1954	1997	2040
65°	1832	1899	1931
70°	1703	1766	1786
75°	1598	1642	1642
80°	1545	1564	1551
85°	1501	1553	1501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2132 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	2.5
10°-20°	163.3	7.5
20°-30°	272.2	12.4
30°-40°	368.8	16.9
40°-50°	420.6	19.2
50°-60°	393.2	18.0
60°-70°	293.7	13.4
70°-80°	167.7	7.7
80°-90°	54.4	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°	489.6	22.4
0°-40°	858.4	39.2
0°-60°	1672.3	76.4
0°-90°	2188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	564	564	565	565	565	54
15°	573	575	576	577	576	163
25°	584	586	589	590	590	270
35°	584	587	591	593	592	365
45°	540	543	548	552	554	415
55°	435	436	441	446	449	387
65°	288	292	298	300	303	285
75°	154	156	158	158	158	164
85°	49	51	50	49	49	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	563.7	563.7	563.7	563.7	563.7
2.5°	563.3	563.7	563.7	564.5	563.3
5°	563.7	564.5	564.9	565.3	564.9
7.5°	564.9	566.2	567.0	567.4	566.6
10°	567.9	568.7	569.5	570.4	569.5
12.5°	570.4	571.6	572.5	573.7	573.3
15°	572.9	574.6	576.2	576.7	576.2
17.5°	576.2	577.5	579.2	580.0	580.0
20°	579.2	580.8	582.9	583.8	583.4
22.5°	581.7	583.8	586.3	587.5	587.1
25°	584.2	586.3	589.2	590.1	589.6
27.5°	586.3	588.8	591.7	593.0	592.1
30°	587.1	589.6	593.4	594.2	593.8
32.5°	586.7	589.2	593.0	594.2	593.8
35°	583.8	586.7	590.9	592.6	592.1
37.5°	578.3	581.3	585.4	587.5	588.0
40°	569.5	572.5	577.1	580.0	580.4
42.5°	556.6	559.5	564.5	567.9	569.1
45°	540.2	542.7	547.8	551.5	553.6
47.5°	519.7	521.8	527.2	531.4	533.5
50°	494.6	496.7	502.1	506.3	509.2
52.5°	466.1	467.8	473.2	478.2	480.8
55°	434.7	435.9	441.4	446.4	449.3
57.5°	399.1	402.9	407.0	411.7	415.0
60°	363.1	366.0	371.0	375.6	379.0
62.5°	324.6	330.0	335.9	338.4	341.3
65°	287.7	291.9	298.2	299.8	303.2
67.5°	251.3	255.9	261.3	262.6	264.7
70°	216.5	220.3	224.5	226.1	227.0
72.5°	183.8	186.8	189.7	191.0	191.0
75°	153.7	156.2	157.9	158.3	157.9
77.5°	126.5	126.9	130.7	128.1	127.7
80°	99.7	99.7	100.9	100.9	100.1
82.5°	73.7	75.4	75.0	74.5	73.3
85°	48.6	50.7	50.3	49.4	48.6
87.5°	23.9	26.4	25.1	26.4	24.3
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	14.9	16.6	15.2	16.9	17.2	15.1	16.8	15.4	17.1	17.4
	3H	16.6	18.1	16.9	18.4	18.8	16.8	18.3	17.2	18.7	19.0
	4H	17.2	18.7	17.6	19.0	19.4	17.4	18.9	17.8	19.2	19.6
	6H	17.7	19.1	18.2	19.5	19.9	17.9	19.3	18.3	19.6	20.0
	8H	17.9	19.2	18.4	19.6	20.0	18.1	19.4	18.5	19.8	20.2
	12H	18.1	19.3	18.5	19.7	20.2	18.3	19.5	18.7	19.9	20.3
4H	2H	15.5	17.0	15.9	17.3	17.7	15.7	17.1	16.1	17.5	17.8
	3H	17.4	18.7	17.8	19.1	19.5	17.6	18.8	18.0	19.2	19.6
	4H	18.2	19.3	18.6	19.7	20.2	18.4	19.5	18.8	19.9	20.3
	6H	18.9	19.9	19.3	20.3	20.8	19.0	20.0	19.5	20.5	20.9
	8H	19.1	20.1	19.6	20.5	21.0	19.3	20.2	19.7	20.6	21.1
	12H	19.4	20.2	19.8	20.7	21.1	19.5	20.3	20.0	20.8	21.2
8H	4H	18.6	19.5	19.0	19.9	20.4	18.7	19.6	19.2	20.1	20.5
	6H	19.4	20.1	19.9	20.6	21.1	19.5	20.3	20.0	20.7	21.2
	8H	19.7	20.4	20.2	20.9	21.4	19.8	20.5	20.3	21.0	21.5
	12H	20.0	20.6	20.5	21.1	21.7	20.1	20.7	20.6	21.2	21.8
12H	4H	18.6	19.4	19.1	19.9	20.4	18.7	19.6	19.2	20.0	20.5
	6H	19.5	20.1	20.0	20.6	21.1	19.6	20.3	20.1	20.7	21.3
	8H	19.9	20.5	20.4	21.0	21.5	20.0	20.6	20.5	21.1	21.6













(END OF REPORT)