

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: P1527024

Luminaire Tested: 22CGTX-25HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527024
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

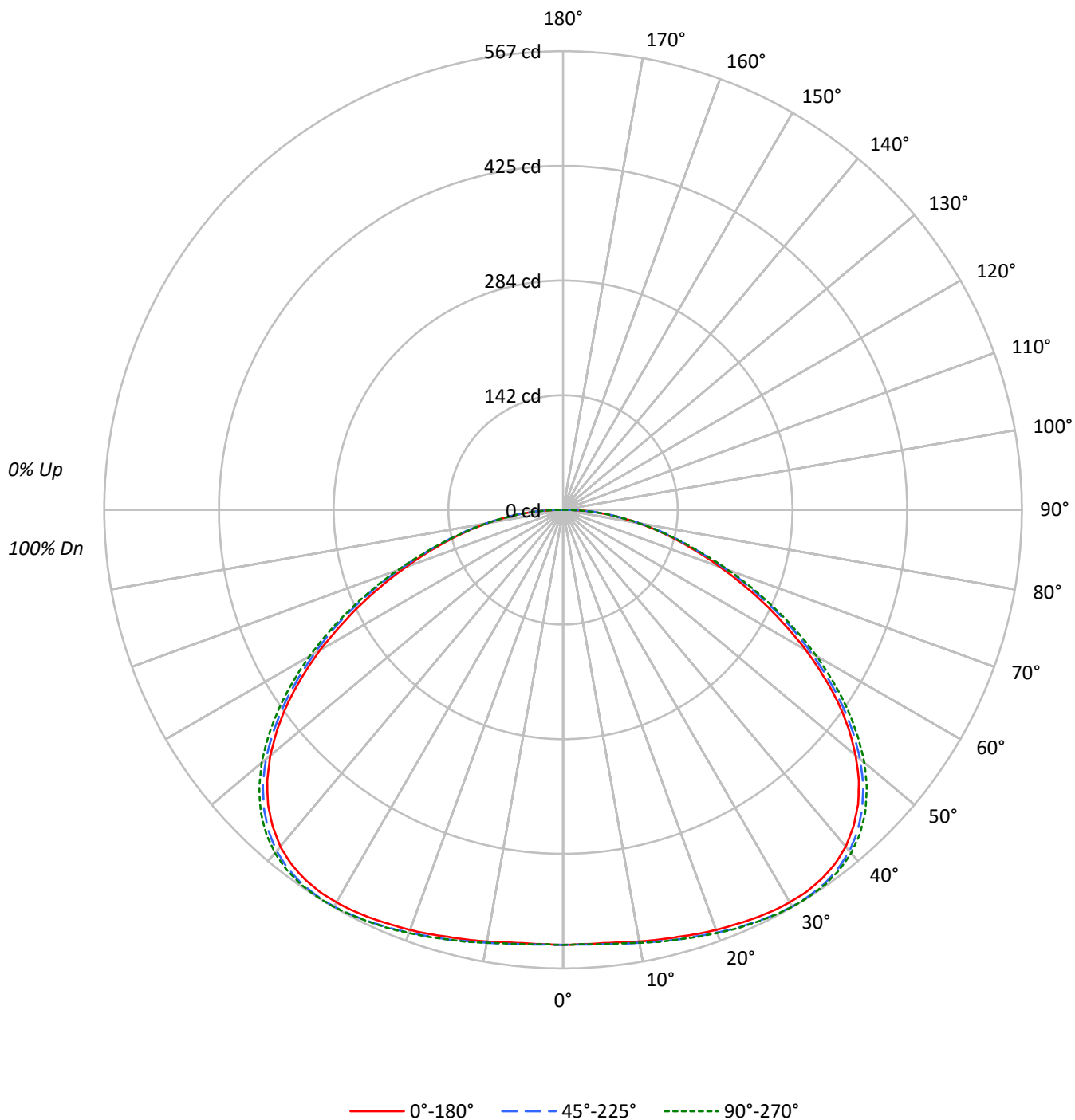
Lumens per Lamp: N/A
Luminaire Lumens: 2088.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	50	30	10
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°	1447	1447	1447
5°	1453	1456	1456
10°	1481	1485	1485
15°	1523	1532	1532
20°	1583	1593	1594
25°	1655	1670	1671
30°	1741	1760	1761
35°	1830	1852	1856
40°	1909	1935	1946
45°	1962	1989	2011
50°	1976	2006	2035
55°	1946	1976	2012
60°	1865	1906	1947
65°	1748	1812	1842
70°	1626	1685	1704
75°	1525	1567	1567
80°	1474	1492	1480
85°	1433	1482	1433

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	2.5
10°-20°	155.9	7.5
20°-30°	259.8	12.4
30°-40°	352.0	16.9
40°-50°	401.4	19.2
50°-60°	375.2	18.0
60°-70°	280.2	13.4
70°-80°	160.0	7.7
80°-90°	51.9	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°	467.3	22.4
0°-40°	819.2	39.2
0°-60°	1595.8	76.4
0°-90°	2088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	538	539	539	540	539	51
15°	547	548	550	550	550	155
25°	558	560	562	563	563	258
35°	557	560	564	566	565	349
45°	516	518	523	526	528	396
55°	415	416	421	426	429	369
65°	274	278	284	286	289	272
75°	147	149	151	151	151	157
85°	46	48	48	47	46	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	537.9	537.9	537.9	537.9	537.9
2.5°	537.5	537.9	537.9	538.7	537.5
5°	537.9	538.7	539.1	539.5	539.1
7.5°	539.1	540.3	541.1	541.5	540.7
10°	541.9	542.7	543.5	544.3	543.5
12.5°	544.3	545.5	546.3	547.5	547.1
15°	546.7	548.3	549.9	550.3	549.9
17.5°	549.9	551.1	552.7	553.5	553.5
20°	552.7	554.3	556.3	557.1	556.7
22.5°	555.1	557.1	559.5	560.7	560.3
25°	557.5	559.5	562.3	563.1	562.7
27.5°	559.5	561.9	564.7	565.9	565.1
30°	560.3	562.7	566.3	567.1	566.7
32.5°	559.9	562.3	565.9	567.1	566.7
35°	557.1	559.9	563.9	565.5	565.1
37.5°	551.9	554.7	558.7	560.7	561.1
40°	543.5	546.3	550.7	553.5	553.9
42.5°	531.1	533.9	538.7	541.9	543.1
45°	515.5	517.9	522.7	526.3	528.3
47.5°	495.9	497.9	503.1	507.1	509.1
50°	472.0	474.0	479.2	483.2	486.0
52.5°	444.8	446.4	451.6	456.4	458.8
55°	414.8	416.0	421.2	426.0	428.8
57.5°	380.9	384.4	388.4	392.8	396.0
60°	346.5	349.3	354.1	358.5	361.7
62.5°	309.7	314.9	320.5	322.9	325.7
65°	274.5	278.5	284.5	286.1	289.3
67.5°	239.8	244.2	249.4	250.6	252.6
70°	206.6	210.2	214.2	215.8	216.6
72.5°	175.4	178.2	181.0	182.2	182.2
75°	146.7	149.1	150.7	151.1	150.7
77.5°	120.7	121.1	124.7	122.3	121.9
80°	95.1	95.1	96.3	96.3	95.5
82.5°	70.3	71.9	71.5	71.1	69.9
85°	46.4	48.4	48.0	47.2	46.4
87.5°	22.8	25.2	24.0	25.2	23.2
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	14.7	16.4	15.1	16.7	17.1	14.9	16.6	15.3	16.9	17.2
	3H	16.4	18.0	16.8	18.3	18.6	16.6	18.2	17.0	18.5	18.9
	4H	17.1	18.5	17.5	18.9	19.2	17.3	18.7	17.7	19.1	19.4
	6H	17.6	18.9	18.0	19.3	19.7	17.8	19.1	18.2	19.5	19.9
	8H	17.8	19.1	18.2	19.5	19.9	18.0	19.2	18.4	19.6	20.0
	12H	17.9	19.2	18.4	19.6	20.0	18.1	19.3	18.5	19.7	20.1
4H	2H	15.4	16.8	15.8	17.2	17.5	15.5	17.0	15.9	17.3	17.7
	3H	17.3	18.5	17.7	18.9	19.3	17.4	18.7	17.9	19.1	19.5
	4H	18.1	19.2	18.5	19.6	20.0	18.2	19.3	18.7	19.7	20.2
	6H	18.7	19.7	19.2	20.1	20.6	18.9	19.8	19.3	20.3	20.7
	8H	19.0	19.9	19.4	20.3	20.8	19.1	20.0	19.6	20.5	20.9
	12H	19.2	20.0	19.7	20.5	21.0	19.3	20.1	19.8	20.6	21.1
8H	4H	18.4	19.3	18.9	19.8	20.2	18.5	19.5	19.0	19.9	20.4
	6H	19.2	20.0	19.7	20.5	20.9	19.3	20.1	19.8	20.6	21.1
	8H	19.5	20.2	20.1	20.7	21.2	19.7	20.3	20.2	20.8	21.3
	12H	19.9	20.5	20.4	21.0	21.5	19.9	20.6	20.5	21.1	21.6
12H	4H	18.4	19.3	18.9	19.7	20.2	18.6	19.4	19.1	19.9	20.4
	6H	19.3	20.0	19.8	20.4	21.0	19.4	20.1	19.9	20.6	21.1
	8H	19.7	20.3	20.2	20.8	21.3	19.8	20.4	20.3	20.9	21.5















(END OF REPORT)