

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: P1527011

Luminaire Tested: 22CGTX-20HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527011
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-20HE-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

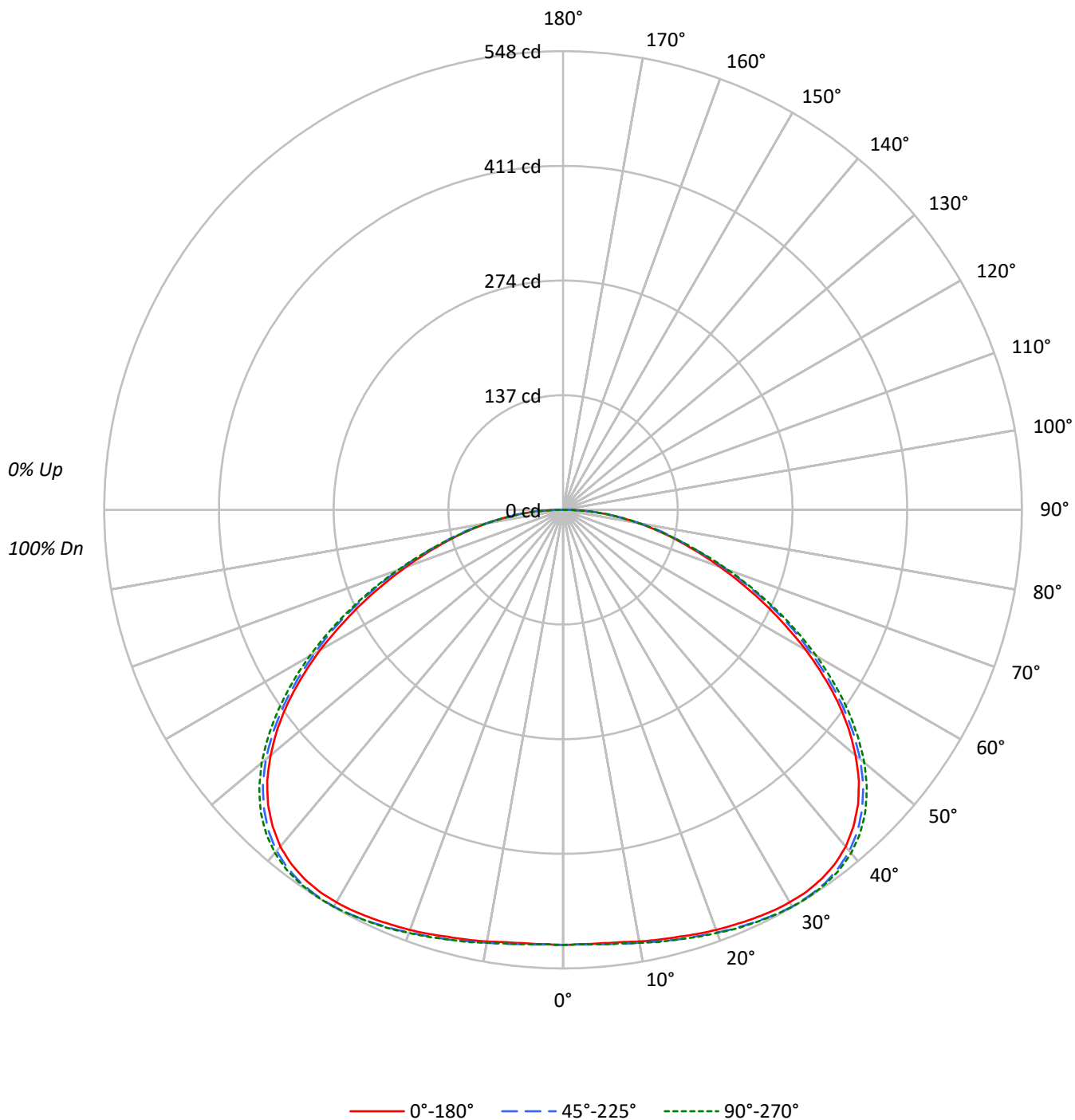
Lumens per Lamp: N/A
Luminaire Lumens: 2018.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	70	70	67
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	58	58	56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	49	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	42	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	37	37	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	32	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	28	28	26
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	25	25	24
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1399	1399	1399
5°	1404	1407	1407
10°	1431	1435	1435
15°	1472	1481	1481
20°	1530	1540	1541
25°	1600	1613	1615
30°	1683	1701	1702
35°	1769	1790	1794
40°	1845	1870	1880
45°	1896	1923	1943
50°	1909	1939	1966
55°	1881	1910	1944
60°	1802	1842	1881
65°	1689	1751	1780
70°	1571	1629	1647
75°	1473	1514	1514
80°	1424	1443	1430
85°	1383	1430	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	2.5
10°-20°	150.7	7.5
20°-30°	251.1	12.4
30°-40°	340.2	16.9
40°-50°	388.0	19.2
50°-60°	362.7	18.0
60°-70°	270.8	13.4
70°-80°	154.6	7.7
80°-90°	50.2	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°	451.6	22.4
0°-40°	791.7	39.2
0°-60°	1542.3	76.4
0°-90°	2018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	520	521	521	521	521	50
15°	528	530	532	532	532	150
25°	539	541	543	544	544	249
35°	538	541	545	546	546	337
45°	498	501	505	509	511	383
55°	401	402	407	412	414	357
65°	265	269	275	276	280	263
75°	142	144	146	146	146	151
85°	45	47	46	46	45	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	519.9	519.9	519.9	519.9	519.9
2.5°	519.5	519.9	519.9	520.6	519.5
5°	519.9	520.6	521.0	521.4	521.0
7.5°	521.0	522.2	523.0	523.4	522.6
10°	523.7	524.5	525.3	526.1	525.3
12.5°	526.1	527.2	528.0	529.1	528.8
15°	528.4	529.9	531.5	531.8	531.5
17.5°	531.5	532.6	534.2	534.9	534.9
20°	534.2	535.7	537.6	538.4	538.0
22.5°	536.5	538.4	540.7	541.9	541.5
25°	538.8	540.7	543.4	544.2	543.8
27.5°	540.7	543.1	545.8	546.9	546.1
30°	541.5	543.8	547.3	548.1	547.7
32.5°	541.1	543.4	546.9	548.1	547.7
35°	538.4	541.1	545.0	546.5	546.1
37.5°	533.4	536.1	540.0	541.9	542.3
40°	525.3	528.0	532.2	534.9	535.3
42.5°	513.3	516.0	520.6	523.7	524.9
45°	498.2	500.6	505.2	508.7	510.6
47.5°	479.3	481.3	486.3	490.1	492.1
50°	456.1	458.1	463.1	467.0	469.7
52.5°	429.9	431.4	436.4	441.1	443.4
55°	400.9	402.1	407.1	411.7	414.4
57.5°	368.1	371.6	375.4	379.7	382.8
60°	334.9	337.6	342.2	346.5	349.5
62.5°	299.3	304.4	309.8	312.1	314.8
65°	265.3	269.2	275.0	276.5	279.6
67.5°	231.7	236.0	241.0	242.2	244.1
70°	199.7	203.2	207.0	208.6	209.3
72.5°	169.6	172.3	175.0	176.1	176.1
75°	141.7	144.1	145.6	146.0	145.6
77.5°	116.6	117.0	120.5	118.2	117.8
80°	91.9	91.9	93.1	93.1	92.3
82.5°	68.0	69.5	69.1	68.8	67.6
85°	44.8	46.7	46.3	45.6	44.8
87.5°	22.0	24.3	23.2	24.3	22.4
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	14.6	16.3	15.0	16.6	16.9	14.8	16.5	15.1	16.8	17.1
	3H	16.3	17.8	16.7	18.2	18.5	16.5	18.0	16.9	18.4	18.7
	4H	16.9	18.4	17.3	18.7	19.1	17.1	18.6	17.5	18.9	19.3
	6H	17.5	18.8	17.9	19.2	19.6	17.6	19.0	18.1	19.4	19.8
	8H	17.7	19.0	18.1	19.3	19.7	17.8	19.1	18.3	19.5	19.9
	12H	17.8	19.1	18.2	19.4	19.9	18.0	19.2	18.4	19.6	20.0
4H	2H	15.2	16.7	15.6	17.1	17.4	15.4	16.8	15.8	17.2	17.6
	3H	17.2	18.4	17.6	18.8	19.2	17.3	18.6	17.7	19.0	19.4
	4H	17.9	19.1	18.4	19.5	19.9	18.1	19.2	18.5	19.6	20.1
	6H	18.6	19.6	19.1	20.0	20.5	18.8	19.7	19.2	20.2	20.6
	8H	18.9	19.8	19.3	20.2	20.7	19.0	19.9	19.5	20.4	20.8
	12H	19.1	19.9	19.6	20.4	20.8	19.2	20.0	19.7	20.5	21.0
8H	4H	18.3	19.2	18.7	19.6	20.1	18.4	19.3	18.9	19.8	20.2
	6H	19.1	19.8	19.6	20.3	20.8	19.2	20.0	19.7	20.5	20.9
	8H	19.4	20.1	19.9	20.6	21.1	19.5	20.2	20.0	20.7	21.2
	12H	19.7	20.3	20.2	20.8	21.4	19.8	20.4	20.3	20.9	21.5
12H	4H	18.3	19.2	18.8	19.6	20.1	18.5	19.3	18.9	19.8	20.2
	6H	19.2	19.9	19.7	20.3	20.9	19.3	20.0	19.8	20.4	21.0
	8H	19.6	20.2	20.1	20.7	21.2	19.7	20.3	20.2	20.8	21.3













(END OF REPORT)