

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: P1527013

Luminaire Tested: 22CGTX-20HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527013
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

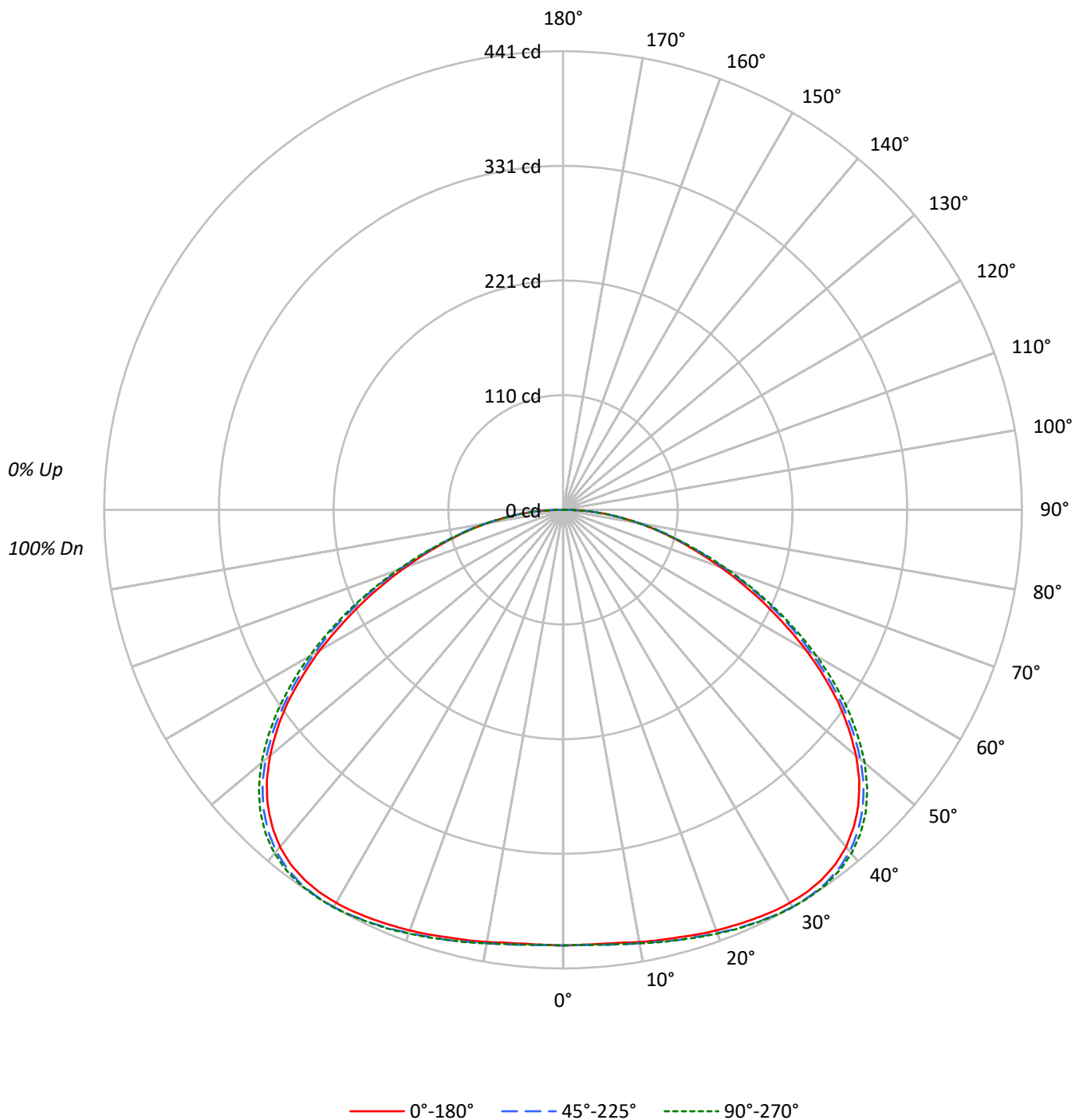
Lumens per Lamp: N/A
Luminaire Lumens: 1626.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1127	1127	1127
5°	1132	1134	1134
10°	1153	1156	1156
15°	1186	1193	1193
20°	1233	1241	1241
25°	1289	1300	1301
30°	1356	1370	1371
35°	1425	1442	1446
40°	1487	1506	1515
45°	1528	1549	1566
50°	1539	1562	1584
55°	1515	1539	1567
60°	1452	1484	1516
65°	1361	1411	1435
70°	1266	1312	1327
75°	1187	1220	1220
80°	1148	1162	1153
85°	1115	1152	1115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1584 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	2.5
10°-20°	121.4	7.5
20°-30°	202.3	12.4
30°-40°	274.1	16.9
40°-50°	312.6	19.2
50°-60°	292.2	18.0
60°-70°	218.2	13.4
70°-80°	124.6	7.7
80°-90°	40.4	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°	363.9	22.4
0°-40°	637.9	39.2
0°-60°	1242.7	76.4
0°-90°	1626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	419	420	420	420	420	40
15°	426	427	428	428	428	121
25°	434	436	438	438	438	201
35°	434	436	439	440	440	271
45°	402	403	407	410	411	309
55°	323	324	328	332	334	287
65°	214	217	222	223	225	212
75°	114	116	117	118	117	122
85°	36	38	37	37	36	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	418.9	418.9	418.9	418.9	418.9
2.5°	418.6	418.9	418.9	419.5	418.6
5°	418.9	419.5	419.8	420.1	419.8
7.5°	419.8	420.8	421.4	421.7	421.1
10°	422.0	422.6	423.2	423.9	423.2
12.5°	423.9	424.8	425.4	426.4	426.0
15°	425.7	427.0	428.2	428.5	428.2
17.5°	428.2	429.2	430.4	431.0	431.0
20°	430.4	431.6	433.2	433.8	433.5
22.5°	432.3	433.8	435.7	436.6	436.3
25°	434.1	435.7	437.9	438.5	438.2
27.5°	435.7	437.6	439.7	440.7	440.1
30°	436.3	438.2	441.0	441.6	441.3
32.5°	436.0	437.9	440.7	441.6	441.3
35°	433.8	436.0	439.1	440.4	440.1
37.5°	429.8	432.0	435.1	436.6	436.9
40°	423.2	425.4	428.8	431.0	431.3
42.5°	413.6	415.8	419.5	422.0	422.9
45°	401.5	403.3	407.1	409.9	411.4
47.5°	386.2	387.8	391.8	394.9	396.5
50°	367.5	369.1	373.1	376.3	378.4
52.5°	346.4	347.6	351.7	355.4	357.3
55°	323.0	324.0	328.0	331.8	333.9
57.5°	296.6	299.4	302.5	305.9	308.4
60°	269.8	272.0	275.7	279.2	281.6
62.5°	241.2	245.2	249.6	251.5	253.6
65°	213.8	216.9	221.6	222.8	225.3
67.5°	186.7	190.1	194.2	195.1	196.7
70°	160.9	163.7	166.8	168.1	168.7
72.5°	136.6	138.8	141.0	141.9	141.9
75°	114.2	116.1	117.3	117.6	117.3
77.5°	94.0	94.3	97.1	95.2	94.9
80°	74.1	74.1	75.0	75.0	74.4
82.5°	54.8	56.0	55.7	55.4	54.5
85°	36.1	37.7	37.3	36.7	36.1
87.5°	17.7	19.6	18.7	19.6	18.1
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	13.8	15.6	14.2	15.9	16.2	14.0	15.7	14.4	16.0	16.4
	3H	15.5	17.1	15.9	17.4	17.8	15.7	17.3	16.1	17.6	18.0
	4H	16.2	17.6	16.6	18.0	18.4	16.4	17.9	16.8	18.2	18.6
	6H	16.7	18.1	17.1	18.4	18.8	16.9	18.3	17.3	18.6	19.0
	8H	16.9	18.2	17.3	18.6	19.0	17.1	18.4	17.5	18.8	19.2
	12H	17.1	18.3	17.5	18.7	19.1	17.2	18.5	17.7	18.9	19.3
4H	2H	14.5	16.0	14.9	16.3	16.7	14.6	16.1	15.0	16.4	16.8
	3H	16.4	17.6	16.8	18.0	18.4	16.6	17.8	17.0	18.2	18.6
	4H	17.2	18.3	17.6	18.7	19.1	17.4	18.5	17.8	18.9	19.3
	6H	17.9	18.8	18.3	19.3	19.7	18.0	19.0	18.5	19.4	19.9
	8H	18.1	19.0	18.6	19.5	19.9	18.2	19.2	18.7	19.6	20.1
	12H	18.3	19.2	18.8	19.6	20.1	18.4	19.3	18.9	19.7	20.2
8H	4H	17.5	18.4	18.0	18.9	19.3	17.7	18.6	18.1	19.0	19.5
	6H	18.3	19.1	18.8	19.6	20.1	18.5	19.2	18.9	19.7	20.2
	8H	18.7	19.4	19.2	19.9	20.4	18.8	19.5	19.3	20.0	20.5
	12H	19.0	19.6	19.5	20.1	20.6	19.1	19.7	19.6	20.2	20.7
12H	4H	17.6	18.4	18.1	18.9	19.3	17.7	18.5	18.2	19.0	19.5
	6H	18.4	19.1	18.9	19.6	20.1	18.5	19.2	19.1	19.7	20.2
	8H	18.8	19.4	19.3	19.9	20.5	18.9	19.5	19.4	20.0	20.6















(END OF REPORT)