

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: P1527015

Luminaire Tested: 22CGTX-20HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527015
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

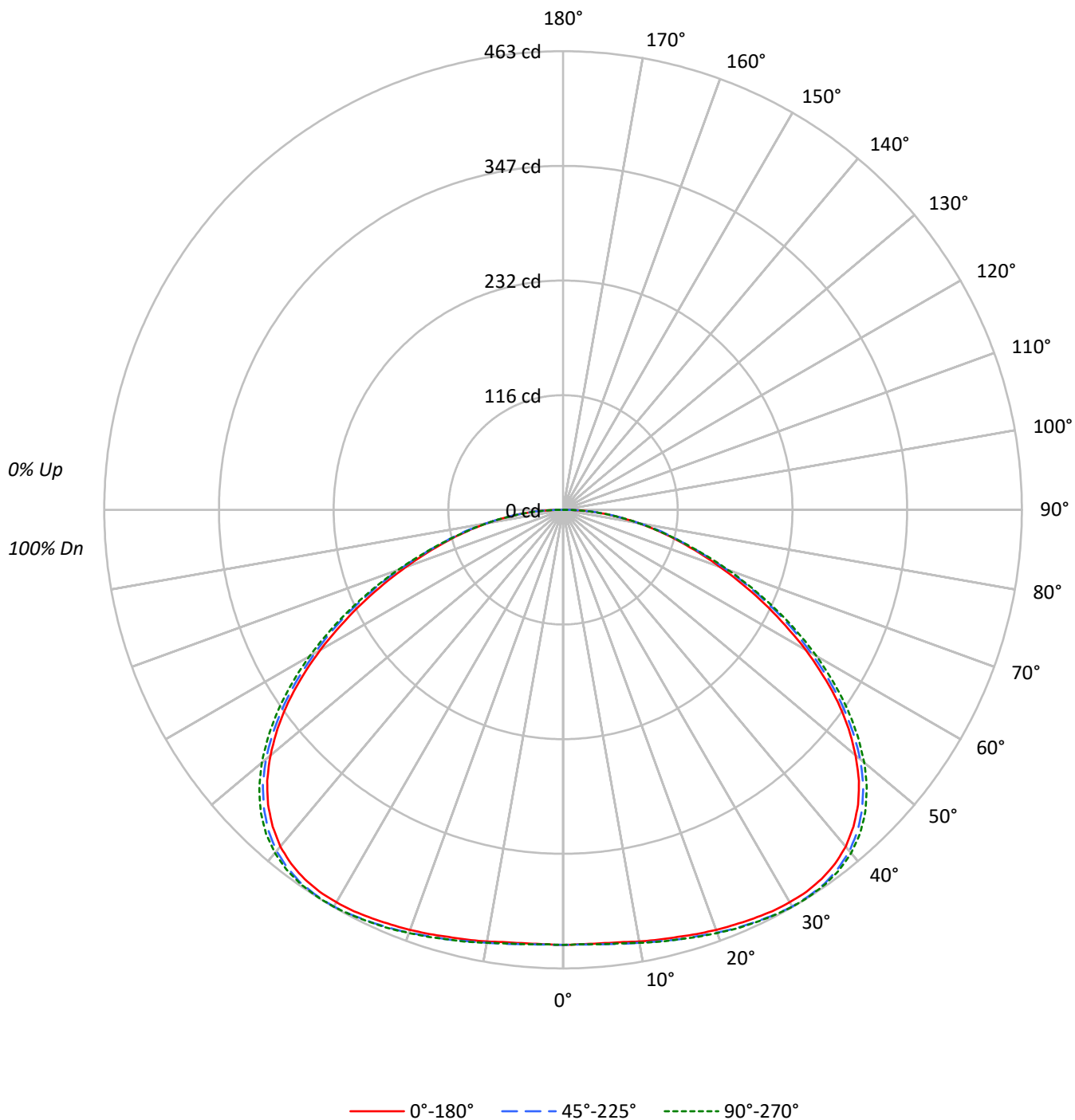
Lumens per Lamp: N/A
Luminaire Lumens: 1705.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	1182	1182	1182
5°	1186	1189	1189
10°	1209	1213	1213
15°	1244	1251	1251
20°	1292	1301	1302
25°	1352	1363	1364
30°	1422	1437	1438
35°	1494	1513	1516
40°	1559	1580	1589
45°	1602	1624	1642
50°	1613	1638	1661
55°	1589	1614	1643
60°	1523	1556	1589
65°	1428	1479	1505
70°	1327	1376	1392
75°	1246	1279	1279
80°	1204	1218	1209
85°	1170	1210	1170

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	2.5
10°-20°	127.3	7.5
20°-30°	212.1	12.4
30°-40°	287.4	16.9
40°-50°	327.8	19.2
50°-60°	306.4	18.0
60°-70°	228.8	13.4
70°-80°	130.6	7.7
80°-90°	42.4	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°	381.5	22.4
0°-40°	668.9	39.2
0°-60°	1303.1	76.4
0°-90°	1705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	439	439	439	439	439	
5°	439	440	440	440	440	42
15°	446	448	449	449	449	127
25°	455	457	459	460	460	211
35°	455	457	460	462	461	285
45°	421	423	427	430	431	324
55°	339	340	344	348	350	301
65°	224	228	232	234	236	222
75°	120	122	123	123	123	128
85°	38	40	39	38	38	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	439.2	439.2	439.2	439.2	439.2
2.5°	438.9	439.2	439.2	439.9	438.9
5°	439.2	439.9	440.2	440.5	440.2
7.5°	440.2	441.2	441.9	442.2	441.5
10°	442.5	443.2	443.8	444.5	443.8
12.5°	444.5	445.4	446.1	447.1	446.7
15°	446.4	447.7	449.0	449.4	449.0
17.5°	449.0	450.0	451.3	452.0	452.0
20°	451.3	452.6	454.3	454.9	454.6
22.5°	453.3	454.9	456.9	457.8	457.5
25°	455.2	456.9	459.1	459.8	459.5
27.5°	456.9	458.8	461.1	462.1	461.4
30°	457.5	459.5	462.4	463.1	462.7
32.5°	457.2	459.1	462.1	463.1	462.7
35°	454.9	457.2	460.5	461.8	461.4
37.5°	450.7	452.9	456.2	457.8	458.2
40°	443.8	446.1	449.7	452.0	452.3
42.5°	433.7	436.0	439.9	442.5	443.5
45°	421.0	422.9	426.8	429.8	431.4
47.5°	405.0	406.6	410.9	414.1	415.7
50°	385.4	387.0	391.3	394.5	396.8
52.5°	363.2	364.5	368.8	372.7	374.6
55°	338.7	339.7	344.0	347.9	350.2
57.5°	311.0	313.9	317.2	320.8	323.4
60°	282.9	285.2	289.1	292.7	295.3
62.5°	252.9	257.1	261.7	263.7	266.0
65°	224.2	227.5	232.3	233.7	236.3
67.5°	195.8	199.4	203.6	204.6	206.2
70°	168.7	171.6	174.9	176.2	176.9
72.5°	143.3	145.5	147.8	148.8	148.8
75°	119.8	121.7	123.0	123.4	123.0
77.5°	98.6	98.9	101.8	99.9	99.5
80°	77.7	77.7	78.6	78.6	78.0
82.5°	57.4	58.7	58.4	58.1	57.1
85°	37.9	39.5	39.2	38.5	37.9
87.5°	18.6	20.6	19.6	20.6	18.9
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	14.0	15.7	14.4	16.0	16.3	14.2	15.9	14.6	16.2	16.5
	3H	15.7	17.3	16.1	17.6	17.9	15.9	17.5	16.3	17.8	18.1
	4H	16.3	17.8	16.7	18.2	18.5	16.6	18.0	17.0	18.4	18.7
	6H	16.9	18.2	17.3	18.6	19.0	17.1	18.4	17.5	18.8	19.2
	8H	17.1	18.4	17.5	18.8	19.2	17.2	18.5	17.7	18.9	19.3
	12H	17.2	18.5	17.7	18.9	19.3	17.4	18.6	17.8	19.0	19.4
4H	2H	14.7	16.1	15.1	16.5	16.8	14.8	16.3	15.2	16.6	17.0
	3H	16.6	17.8	17.0	18.2	18.6	16.7	18.0	17.2	18.4	18.8
	4H	17.4	18.5	17.8	18.9	19.3	17.5	18.6	17.9	19.0	19.5
	6H	18.0	19.0	18.5	19.4	19.9	18.2	19.1	18.6	19.6	20.0
	8H	18.3	19.2	18.7	19.6	20.1	18.4	19.3	18.9	19.8	20.2
	12H	18.5	19.3	19.0	19.8	20.3	18.6	19.4	19.1	19.9	20.4
8H	4H	17.7	18.6	18.1	19.0	19.5	17.8	18.8	18.3	19.2	19.7
	6H	18.5	19.3	19.0	19.7	20.2	18.6	19.4	19.1	19.9	20.3
	8H	18.8	19.5	19.3	20.0	20.5	19.0	19.6	19.5	20.1	20.6
	12H	19.2	19.8	19.7	20.3	20.8	19.2	19.9	19.7	20.3	20.9
12H	4H	17.7	18.6	18.2	19.0	19.5	17.9	18.7	18.4	19.2	19.6
	6H	18.6	19.3	19.1	19.7	20.3	18.7	19.4	19.2	19.9	20.4
	8H	19.0	19.6	19.5	20.1	20.6	19.1	19.7	19.6	20.2	20.7













(END OF REPORT)