

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: P1526967

Luminaire Tested: 14CGTX-20HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-20HE-F125-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

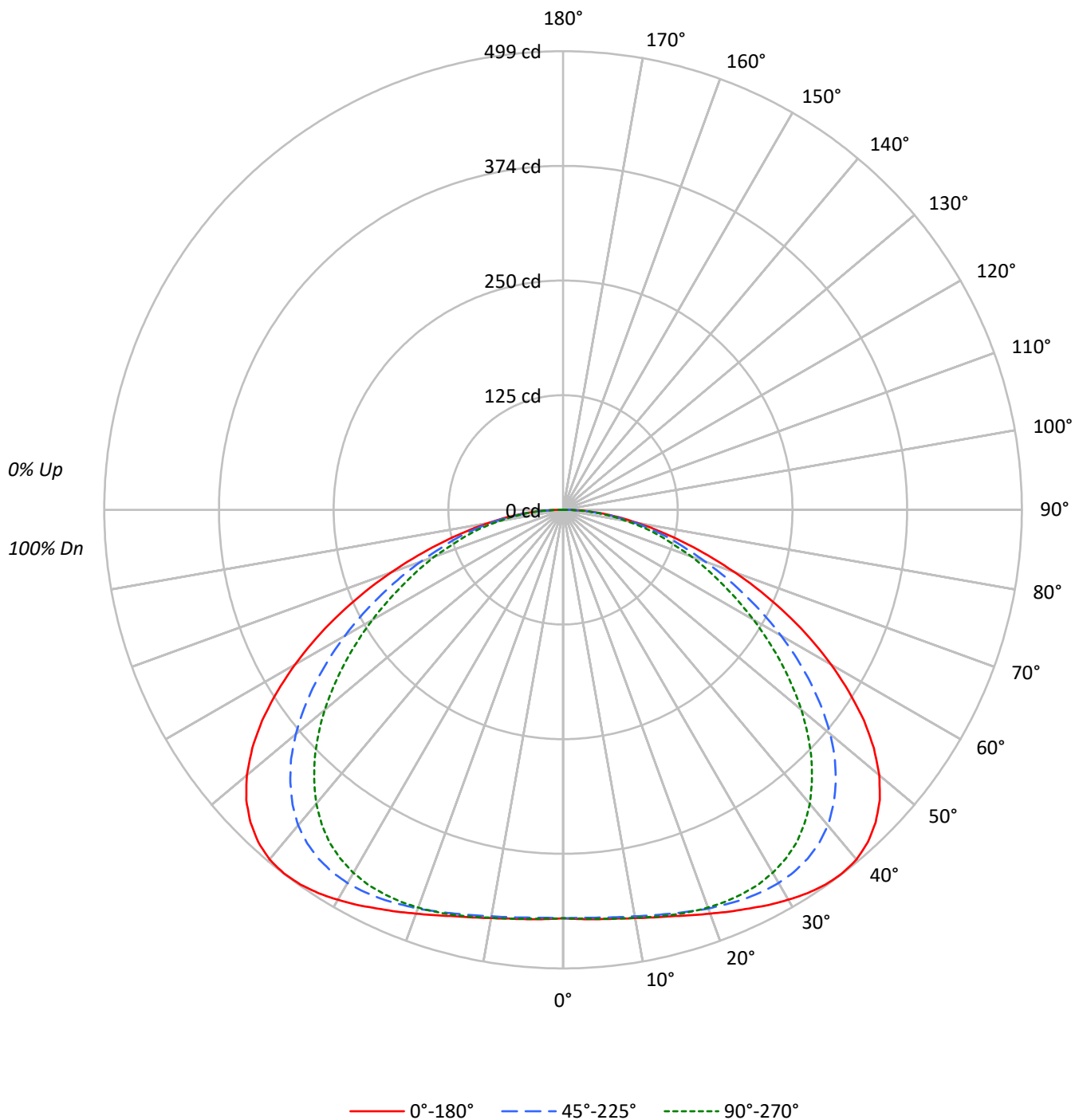
Lumens per Lamp: N/A
Luminaire Lumens: 1703.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85		82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58		56
4	81	68	59	52	78	67	58	52	64	57	51		62	56	50		60	54	50		47
5	74	61	51	44	72	59	51	44	57	50	44		55	48	43		53	47	43		40
6	68	54	45	38	66	53	44	38	51	44	38		50	43	37		48	42	37		35
7	63	49	40	33	61	48	39	33	46	39	33		45	38	33		44	37	32		30
8	58	44	36	29	57	44	35	29	42	35	29		41	34	29		40	34	29		27
9	54	41	32	26	53	40	32	26	39	31	26		38	31	26		37	30	26		24
10	51	37	29	24	50	37	29	24	36	28	23		35	28	23		34	28	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1196	1196	1196
5°	1208	1203	1206
10°	1233	1227	1231
15°	1275	1267	1271
20°	1339	1322	1319
25°	1421	1387	1369
30°	1522	1457	1417
35°	1635	1523	1453
40°	1744	1574	1467
45°	1830	1596	1454
50°	1879	1588	1417
55°	1874	1544	1357
60°	1812	1473	1287
65°	1706	1384	1217
70°	1561	1295	1170
75°	1405	1248	1130
80°	1285	1212	1091
85°	1235	1161	1090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1883 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	2.5
10°-20°	129.5	7.6
20°-30°	216.7	12.7
30°-40°	292.0	17.1
40°-50°	327.5	19.2
50°-60°	300.5	17.6
60°-70°	222.3	13.1
70°-80°	129.3	7.6
80°-90°	42.5	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°	388.9	22.8
0°-40°	680.9	40.0
0°-60°	1308.9	76.9
0°-90°	1703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	447	447	445	446	447	43
15°	458	457	455	455	456	130
25°	479	475	467	462	461	222
35°	498	487	464	447	442	312
45°	481	463	420	391	382	370
55°	400	377	329	298	289	355
65°	268	252	217	198	191	265
75°	135	133	120	110	109	145
85°	40	41	38	38	35	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	444.4	444.4	444.4	444.4	444.4
2.5°	445.7	445.7	444.2	444.6	445.1
5°	447.1	446.8	445.3	445.5	446.6
7.5°	448.6	448.6	447.1	447.1	448.6
10°	451.1	450.6	449.1	449.5	450.6
12.5°	454.2	453.3	451.7	452.2	453.5
15°	457.7	456.8	454.8	455.3	456.4
17.5°	462.4	461.1	458.2	458.2	458.8
20°	467.5	465.3	461.7	460.0	460.6
22.5°	473.1	470.2	464.4	461.3	461.5
25°	478.6	475.1	467.1	461.9	461.1
27.5°	484.6	479.5	468.6	461.5	459.7
30°	489.9	483.5	468.8	459.1	456.0
32.5°	494.6	486.2	467.3	454.4	450.4
35°	497.7	487.3	463.5	447.3	442.4
37.5°	498.6	485.9	457.3	437.5	431.1
40°	496.6	481.7	448.2	424.6	417.5
42.5°	490.6	474.2	435.3	409.1	400.6
45°	480.8	462.6	419.5	391.1	382.0
47.5°	467.3	446.6	401.1	370.4	360.8
50°	448.8	427.1	379.3	348.0	338.4
52.5°	426.0	403.3	355.1	324.2	314.0
55°	399.5	376.6	329.1	298.4	289.3
57.5°	368.6	347.5	301.7	272.6	264.0
60°	336.6	316.6	273.7	246.9	239.1
62.5°	302.9	284.6	245.5	221.3	214.6
65°	268.0	251.8	217.3	197.5	191.1
67.5°	233.1	220.6	190.4	172.9	169.3
70°	198.4	189.1	164.6	153.1	148.7
72.5°	165.5	160.6	140.2	132.4	126.4
75°	135.1	133.3	120.0	110.4	108.7
77.5°	107.5	110.2	98.7	91.8	90.2
80°	82.9	85.5	78.2	72.4	70.4
82.5°	60.4	64.0	56.7	55.3	53.3
85°	40.0	41.1	37.6	38.0	35.3
87.5°	19.6	21.8	19.8	20.4	19.1
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	14.8	16.5	15.2	16.8	17.2	13.0	14.7	13.4	15.0	15.3
	3H	16.6	18.1	16.9	18.4	18.8	14.7	16.3	15.1	16.6	17.0
	4H	17.2	18.7	17.6	19.0	19.4	15.4	16.9	15.8	17.2	17.6
	6H	17.7	19.0	18.1	19.4	19.8	16.0	17.4	16.4	17.7	18.1
	8H	17.9	19.2	18.3	19.6	20.0	16.2	17.5	16.7	17.9	18.3
	12H	18.0	19.2	18.4	19.6	20.1	16.4	17.6	16.8	18.0	18.5
4H	2H	15.2	16.7	15.6	17.0	17.4	13.8	15.2	14.2	15.6	16.0
	3H	17.2	18.5	17.6	18.8	19.2	15.7	16.9	16.1	17.3	17.7
	4H	18.0	19.1	18.5	19.5	20.0	16.5	17.7	17.0	18.1	18.5
	6H	18.7	19.7	19.1	20.1	20.6	17.3	18.2	17.7	18.7	19.1
	8H	18.9	19.8	19.4	20.3	20.7	17.5	18.4	18.0	18.9	19.3
	12H	19.1	19.9	19.6	20.4	20.9	17.8	18.6	18.2	19.1	19.5
8H	4H	18.3	19.2	18.7	19.6	20.1	17.0	17.9	17.4	18.3	18.8
	6H	19.1	19.8	19.6	20.3	20.8	17.8	18.6	18.3	19.1	19.5
	8H	19.4	20.1	19.9	20.6	21.1	18.2	18.9	18.7	19.4	19.9
	12H	19.7	20.3	20.2	20.8	21.4	18.5	19.1	19.0	19.6	20.2
12H	4H	18.3	19.1	18.8	19.6	20.1	17.0	17.9	17.5	18.3	18.8
	6H	19.1	19.8	19.7	20.3	20.8	17.9	18.6	18.5	19.1	19.6
	8H	19.5	20.1	20.0	20.6	21.2	18.4	19.0	18.9	19.5	20.0















(END OF REPORT)