

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: P1526965

Luminaire Tested: 14CGTX-20HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526965
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

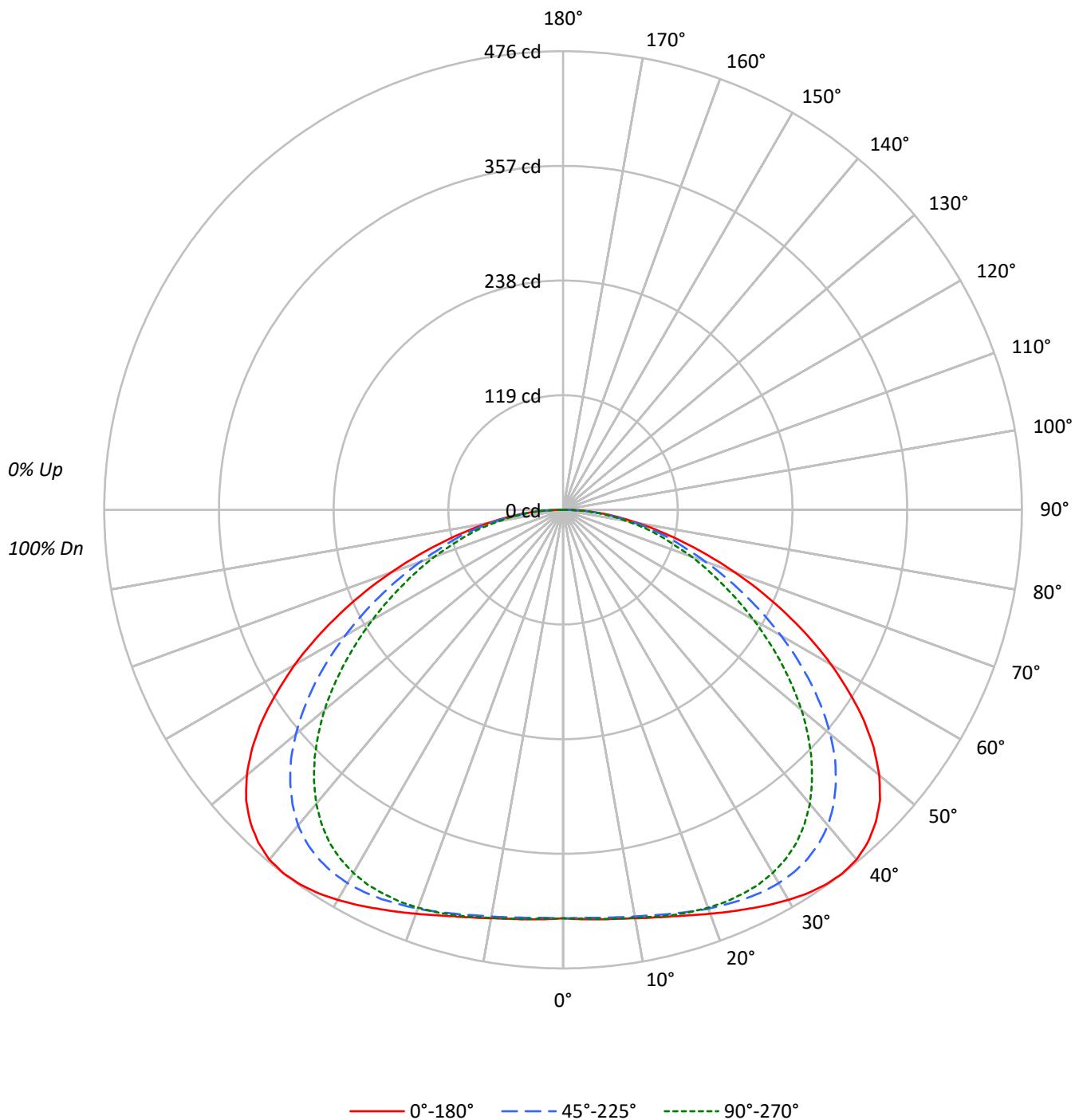
Lumens per Lamp: N/A
Luminaire Lumens: 1625.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1141	1141	1141
5°	1152	1148	1151
10°	1176	1171	1175
15°	1217	1209	1213
20°	1277	1262	1259
25°	1356	1323	1306
30°	1453	1390	1352
35°	1560	1453	1387
40°	1665	1502	1400
45°	1746	1523	1387
50°	1793	1515	1352
55°	1788	1473	1295
60°	1729	1406	1228
65°	1628	1321	1161
70°	1489	1236	1116
75°	1340	1190	1078
80°	1226	1156	1041
85°	1179	1105	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 1796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	2.5
10°-20°	123.6	7.6
20°-30°	206.8	12.7
30°-40°	278.6	17.1
40°-50°	312.5	19.2
50°-60°	286.7	17.6
60°-70°	212.1	13.1
70°-80°	123.4	7.6
80°-90°	40.6	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°	371.1	22.8
0°-40°	649.7	40.0
0°-60°	1249.0	76.9
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	427	426	425	425	426	41
15°	437	436	434	434	436	124
25°	457	453	446	441	440	212
35°	475	465	442	427	422	297
45°	459	441	400	373	364	353
55°	381	359	314	285	276	339
65°	256	240	207	188	182	253
75°	129	127	114	105	104	138
85°	38	39	36	36	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	424.0	424.0	424.0	424.0	424.0
2.5°	425.3	425.3	423.8	424.3	424.7
5°	426.6	426.4	424.9	425.1	426.2
7.5°	428.1	428.1	426.6	426.6	428.1
10°	430.4	430.0	428.5	428.9	430.0
12.5°	433.4	432.5	431.0	431.5	432.7
15°	436.8	435.9	434.0	434.4	435.5
17.5°	441.2	439.9	437.2	437.2	437.8
20°	446.1	444.0	440.6	438.9	439.5
22.5°	451.4	448.6	443.1	440.2	440.4
25°	456.7	453.3	445.7	440.8	439.9
27.5°	462.4	457.5	447.2	440.4	438.7
30°	467.5	461.4	447.4	438.0	435.1
32.5°	472.0	463.9	445.9	433.6	429.8
35°	474.9	465.0	442.3	426.8	422.1
37.5°	475.8	463.7	436.3	417.5	411.3
40°	473.9	459.7	427.6	405.2	398.4
42.5°	468.1	452.5	415.3	390.3	382.3
45°	458.8	441.4	400.3	373.2	364.5
47.5°	445.9	426.2	382.7	353.4	344.3
50°	428.3	407.5	361.9	332.0	322.9
52.5°	406.4	384.8	338.8	309.3	299.6
55°	381.2	359.4	314.0	284.7	276.1
57.5°	351.7	331.6	287.9	260.1	251.9
60°	321.2	302.1	261.2	235.6	228.1
62.5°	289.0	271.6	234.3	211.2	204.8
65°	255.7	240.2	207.4	188.5	182.3
67.5°	222.4	210.5	181.7	165.0	161.6
70°	189.3	180.4	157.1	146.1	141.8
72.5°	158.0	153.3	133.8	126.4	120.6
75°	128.9	127.2	114.5	105.4	103.7
77.5°	102.6	105.2	94.1	87.6	86.1
80°	79.1	81.6	74.6	69.1	67.2
82.5°	57.7	61.1	54.1	52.8	50.9
85°	38.2	39.2	35.8	36.3	33.7
87.5°	18.7	20.8	18.9	19.5	18.2
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	15.0	16.7	17.0	12.9	14.6	13.2	14.9	15.2
	3H	16.4	17.9	16.8	18.3	18.6	14.6	16.1	15.0	16.4	16.8
	4H	17.0	18.5	17.4	18.8	19.2	15.3	16.7	15.7	17.1	17.4
	6H	17.5	18.9	17.9	19.2	19.6	15.9	17.2	16.3	17.6	18.0
	8H	17.7	19.0	18.1	19.4	19.8	16.1	17.4	16.5	17.8	18.1
	12H	17.8	19.1	18.3	19.5	19.9	16.2	17.5	16.7	17.9	18.3
4H	2H	15.1	16.5	15.5	16.9	17.2	13.6	15.1	14.0	15.4	15.8
	3H	17.1	18.3	17.5	18.7	19.1	15.6	16.8	16.0	17.2	17.6
	4H	17.9	19.0	18.3	19.4	19.8	16.4	17.5	16.8	17.9	18.3
	6H	18.5	19.5	19.0	19.9	20.4	17.1	18.1	17.5	18.5	19.0
	8H	18.8	19.7	19.2	20.1	20.6	17.4	18.3	17.8	18.7	19.2
	12H	19.0	19.8	19.4	20.3	20.7	17.6	18.4	18.1	18.9	19.4
8H	4H	18.1	19.0	18.6	19.5	19.9	16.8	17.7	17.3	18.2	18.6
	6H	18.9	19.7	19.4	20.2	20.6	17.7	18.4	18.2	18.9	19.4
	8H	19.3	19.9	19.8	20.4	20.9	18.0	18.7	18.5	19.2	19.7
	12H	19.5	20.2	20.1	20.6	21.2	18.4	19.0	18.9	19.5	20.0
12H	4H	18.1	19.0	18.6	19.4	19.9	16.9	17.7	17.4	18.2	18.6
	6H	19.0	19.7	19.5	20.1	20.7	17.8	18.5	18.3	18.9	19.5
	8H	19.4	20.0	19.9	20.5	21.0	18.2	18.8	18.7	19.3	19.9















(END OF REPORT)