

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: P1526966

Luminaire Tested: 14CGTX-20HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526966
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

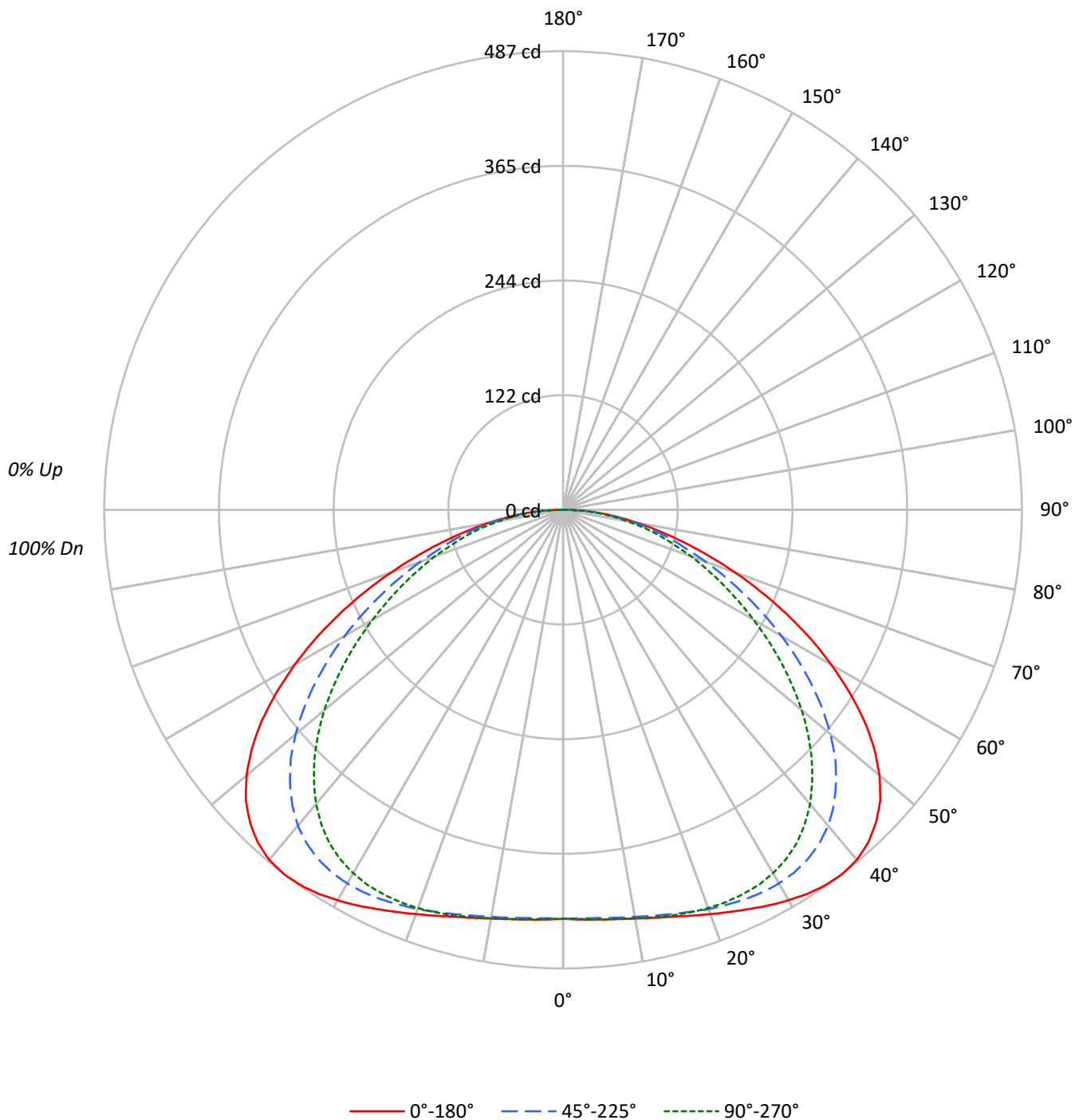
Lumens per Lamp: N/A
Luminaire Lumens: 1664.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1168	1168	1168
5°	1180	1175	1179
10°	1204	1199	1203
15°	1246	1238	1242
20°	1308	1292	1289
25°	1389	1355	1338
30°	1487	1423	1384
35°	1598	1488	1420
40°	1704	1538	1433
45°	1788	1560	1420
50°	1836	1551	1384
55°	1832	1508	1326
60°	1770	1440	1257
65°	1667	1352	1189
70°	1526	1266	1142
75°	1372	1219	1104
80°	1255	1184	1066
85°	1207	1133	1065

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	2.5
10°-20°	126.5	7.6
20°-30°	211.7	12.7
30°-40°	285.3	17.1
40°-50°	320.0	19.2
50°-60°	293.6	17.6
60°-70°	217.2	13.1
70°-80°	126.4	7.6
80°-90°	41.5	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°	380.0	22.8
0°-40°	665.3	40.0
0°-60°	1278.9	76.9
0°-90°	1664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	437	437	435	435	436	42
15°	447	446	444	445	446	127
25°	468	464	456	451	450	217
35°	486	476	453	437	432	305
45°	470	452	410	382	373	361
55°	390	368	322	292	283	347
65°	262	246	212	193	187	259
75°	132	130	117	108	106	141
85°	39	40	37	37	34	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	434.2	434.2	434.2	434.2	434.2
2.5°	435.5	435.5	434.0	434.4	434.9
5°	436.8	436.6	435.1	435.3	436.4
7.5°	438.3	438.3	436.8	436.8	438.3
10°	440.7	440.3	438.8	439.2	440.3
12.5°	443.8	442.9	441.4	441.8	443.1
15°	447.2	446.4	444.4	444.9	445.9
17.5°	451.8	450.5	447.7	447.7	448.3
20°	456.8	454.6	451.2	449.4	450.1
22.5°	462.2	459.4	453.8	450.7	450.9
25°	467.7	464.2	456.4	451.4	450.5
27.5°	473.5	468.5	457.9	450.9	449.2
30°	478.7	472.4	458.1	448.5	445.5
32.5°	483.3	475.0	456.6	444.0	440.1
35°	486.3	476.1	452.9	437.0	432.3
37.5°	487.2	474.8	446.8	427.5	421.2
40°	485.2	470.7	437.9	414.9	407.9
42.5°	479.4	463.3	425.3	399.7	391.4
45°	469.8	452.0	409.9	382.1	373.2
47.5°	456.6	436.4	391.9	361.9	352.6
50°	438.6	417.3	370.6	340.0	330.7
52.5°	416.2	394.1	346.9	316.8	306.8
55°	390.4	368.0	321.5	291.6	282.7
57.5°	360.2	339.6	294.8	266.4	257.9
60°	328.9	309.4	267.5	241.2	233.6
62.5°	295.9	278.1	239.9	216.2	209.7
65°	261.8	246.0	212.3	193.0	186.7
67.5°	227.7	215.6	186.1	168.9	165.4
70°	193.9	184.8	160.9	149.6	145.2
72.5°	161.7	157.0	137.0	129.4	123.5
75°	132.0	130.3	117.2	107.9	106.2
77.5°	105.1	107.7	96.4	89.7	88.1
80°	81.0	83.6	76.4	70.8	68.8
82.5°	59.1	62.5	55.4	54.1	52.1
85°	39.1	40.2	36.7	37.1	34.5
87.5°	19.1	21.3	19.3	20.0	18.7
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	15.1	16.8	17.1	12.9	14.6	13.3	15.0	15.3
	3H	16.5	18.0	16.9	18.4	18.7	14.7	16.2	15.0	16.5	16.9
	4H	17.1	18.6	17.5	18.9	19.3	15.4	16.8	15.8	17.2	17.5
	6H	17.6	19.0	18.0	19.3	19.7	15.9	17.3	16.3	17.6	18.0
	8H	17.8	19.1	18.2	19.5	19.9	16.2	17.4	16.6	17.8	18.2
	12H	17.9	19.2	18.4	19.5	20.0	16.3	17.6	16.8	17.9	18.4
4H	2H	15.2	16.6	15.6	17.0	17.3	13.7	15.2	14.1	15.5	15.9
	3H	17.1	18.4	17.6	18.8	19.2	15.6	16.9	16.1	17.3	17.7
	4H	17.9	19.1	18.4	19.5	19.9	16.5	17.6	16.9	18.0	18.4
	6H	18.6	19.6	19.1	20.0	20.5	17.2	18.1	17.6	18.6	19.0
	8H	18.8	19.8	19.3	20.2	20.7	17.5	18.4	17.9	18.8	19.3
	12H	19.0	19.9	19.5	20.3	20.8	17.7	18.5	18.2	19.0	19.4
8H	4H	18.2	19.1	18.7	19.5	20.0	16.9	17.8	17.3	18.2	18.7
	6H	19.0	19.8	19.5	20.2	20.7	17.7	18.5	18.2	19.0	19.5
	8H	19.3	20.0	19.8	20.5	21.0	18.1	18.8	18.6	19.3	19.8
	12H	19.6	20.2	20.1	20.7	21.3	18.4	19.1	18.9	19.5	20.1
12H	4H	18.2	19.0	18.7	19.5	20.0	17.0	17.8	17.4	18.3	18.7
	6H	19.1	19.8	19.6	20.2	20.8	17.9	18.6	18.4	19.0	19.5
	8H	19.5	20.1	20.0	20.6	21.1	18.3	18.9	18.8	19.4	19.9















(END OF REPORT)