

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: P1526963

Luminaire Tested: 14CGTX-20HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526963
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

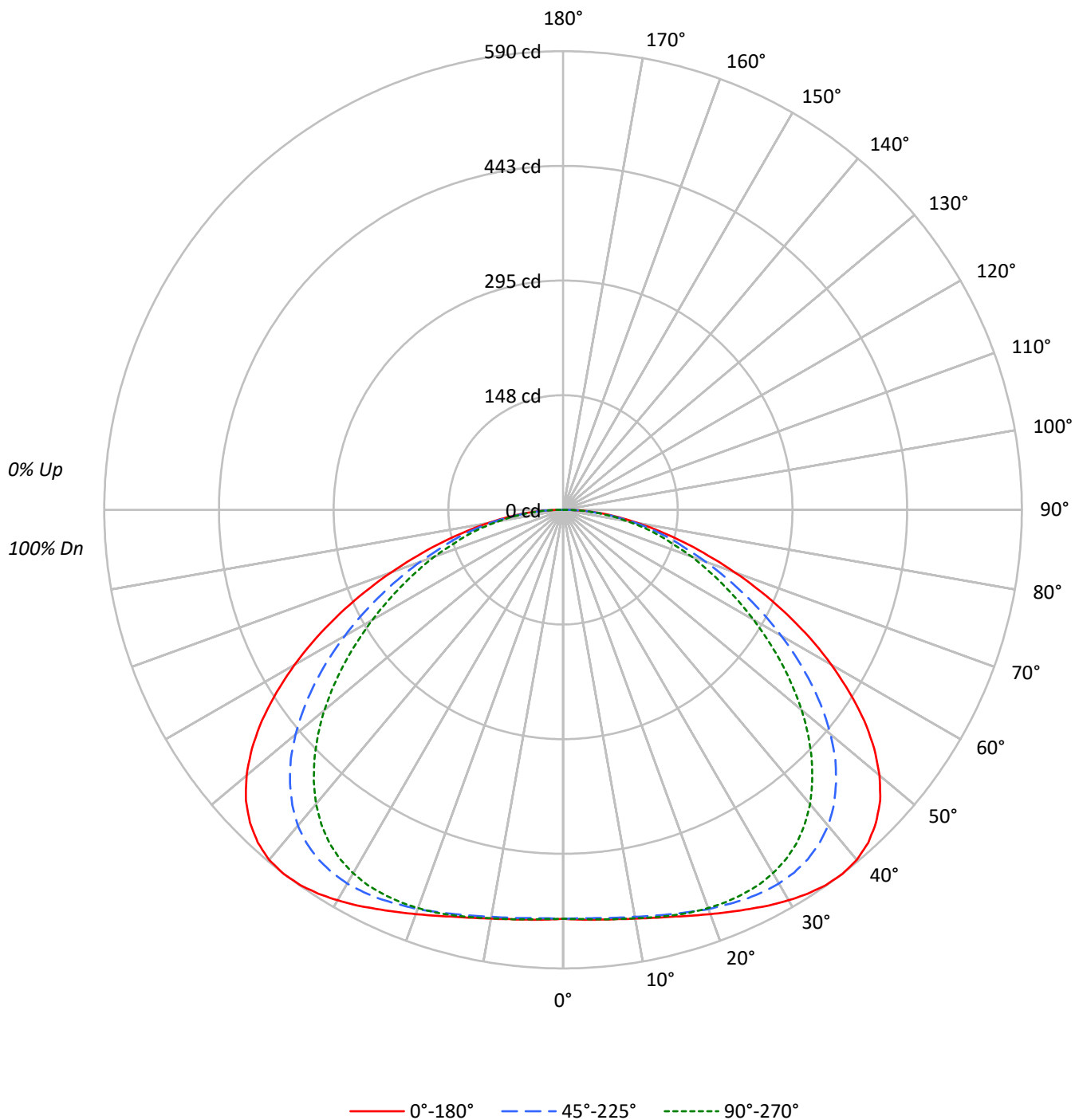
Lumens per Lamp: N/A
Luminaire Lumens: 2016.0 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1416	1416	1416
5°	1430	1424	1428
10°	1459	1453	1458
15°	1510	1500	1505
20°	1585	1565	1562
25°	1682	1642	1621
30°	1802	1725	1677
35°	1936	1803	1720
40°	2065	1864	1736
45°	2166	1890	1721
50°	2224	1880	1677
55°	2219	1828	1607
60°	2145	1744	1523
65°	2020	1638	1440
70°	1848	1533	1385
75°	1663	1476	1337
80°	1520	1435	1292
85°	1460	1374	1291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	2.5
10°-20°	153.3	7.6
20°-30°	256.5	12.7
30°-40°	345.6	17.1
40°-50°	387.7	19.2
50°-60°	355.8	17.6
60°-70°	263.1	13.1
70°-80°	153.1	7.6
80°-90°	50.3	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°	460.4	22.8
0°-40°	806.0	40.0
0°-60°	1549.5	76.9
0°-90°	2016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	526	526	526	526	526	
5°	529	529	527	527	529	51
15°	542	541	538	539	540	154
25°	567	562	553	547	546	263
35°	589	577	549	530	524	369
45°	569	548	497	463	452	438
55°	473	446	390	353	342	420
65°	317	298	257	234	226	314
75°	160	158	142	131	129	171
85°	47	49	44	45	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	526.1	526.1	526.1	526.1	526.1
2.5°	527.7	527.7	525.8	526.3	526.9
5°	529.2	529.0	527.1	527.4	528.7
7.5°	531.1	531.1	529.2	529.2	531.1
10°	534.0	533.4	531.6	532.1	533.4
12.5°	537.6	536.6	534.8	535.3	536.9
15°	541.9	540.8	538.4	539.0	540.3
17.5°	547.4	545.8	542.4	542.4	543.2
20°	553.4	550.8	546.6	544.5	545.3
22.5°	560.0	556.6	549.7	546.1	546.3
25°	566.6	562.4	552.9	546.9	545.8
27.5°	573.7	567.6	554.7	546.3	544.2
30°	580.0	572.4	555.0	543.4	539.8
32.5°	585.5	575.5	553.2	537.9	533.2
35°	589.2	576.8	548.7	529.5	523.7
37.5°	590.3	575.3	541.3	517.9	510.3
40°	587.9	570.3	530.5	502.7	494.2
42.5°	580.8	561.3	515.3	484.3	474.3
45°	569.2	547.6	496.6	462.9	452.2
47.5°	553.2	528.7	474.8	438.5	427.2
50°	531.3	505.6	449.0	411.9	400.6
52.5°	504.2	477.4	420.3	383.8	371.7
55°	472.9	445.8	389.6	353.3	342.5
57.5°	436.4	411.4	357.2	322.7	312.5
60°	398.5	374.8	324.1	292.2	283.0
62.5°	358.5	336.9	290.7	262.0	254.1
65°	317.2	298.0	257.2	233.8	226.2
67.5°	275.9	261.2	225.4	204.6	200.4
70°	234.9	223.8	194.9	181.2	176.0
72.5°	196.0	190.2	166.0	156.8	149.7
75°	159.9	157.8	142.0	130.7	128.6
77.5°	127.3	130.5	116.8	108.6	106.8
80°	98.1	101.3	92.6	85.7	83.4
82.5°	71.5	75.8	67.1	65.5	63.1
85°	47.3	48.7	44.5	45.0	41.8
87.5°	23.1	25.8	23.4	24.2	22.6
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	15.4	17.1	15.8	17.4	17.7	13.6	15.3	14.0	15.6	15.9
	3H	17.2	18.7	17.5	19.0	19.4	15.3	16.9	15.7	17.2	17.5
	4H	17.8	19.2	18.2	19.6	20.0	16.0	17.5	16.4	17.8	18.2
	6H	18.3	19.6	18.7	20.0	20.4	16.6	18.0	17.0	18.3	18.7
	8H	18.5	19.8	18.9	20.1	20.5	16.8	18.1	17.2	18.5	18.9
	12H	18.6	19.8	19.0	20.2	20.6	17.0	18.2	17.4	18.6	19.0
4H	2H	15.8	17.3	16.2	17.6	18.0	14.4	15.8	14.8	16.2	16.5
	3H	17.8	19.0	18.2	19.4	19.8	16.3	17.5	16.7	17.9	18.3
	4H	18.6	19.7	19.0	20.1	20.6	17.1	18.2	17.6	18.6	19.1
	6H	19.3	20.2	19.7	20.7	21.1	17.8	18.8	18.3	19.3	19.7
	8H	19.5	20.4	20.0	20.9	21.3	18.1	19.0	18.6	19.5	19.9
	12H	19.7	20.5	20.2	21.0	21.5	18.3	19.2	18.8	19.6	20.1
8H	4H	18.9	19.8	19.3	20.2	20.7	17.6	18.5	18.0	18.9	19.4
	6H	19.7	20.4	20.2	20.9	21.4	18.4	19.2	18.9	19.7	20.1
	8H	20.0	20.7	20.5	21.2	21.7	18.8	19.5	19.3	20.0	20.4
	12H	20.3	20.9	20.8	21.4	22.0	19.1	19.7	19.6	20.2	20.8
12H	4H	18.9	19.7	19.4	20.2	20.7	17.6	18.4	18.1	18.9	19.4
	6H	19.7	20.4	20.2	20.9	21.4	18.5	19.2	19.0	19.7	20.2
	8H	20.1	20.7	20.6	21.2	21.8	19.0	19.6	19.5	20.0	20.6















(END OF REPORT)