

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: P1526974

Luminaire Tested: 14CGTX-30HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526974
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-30HE-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

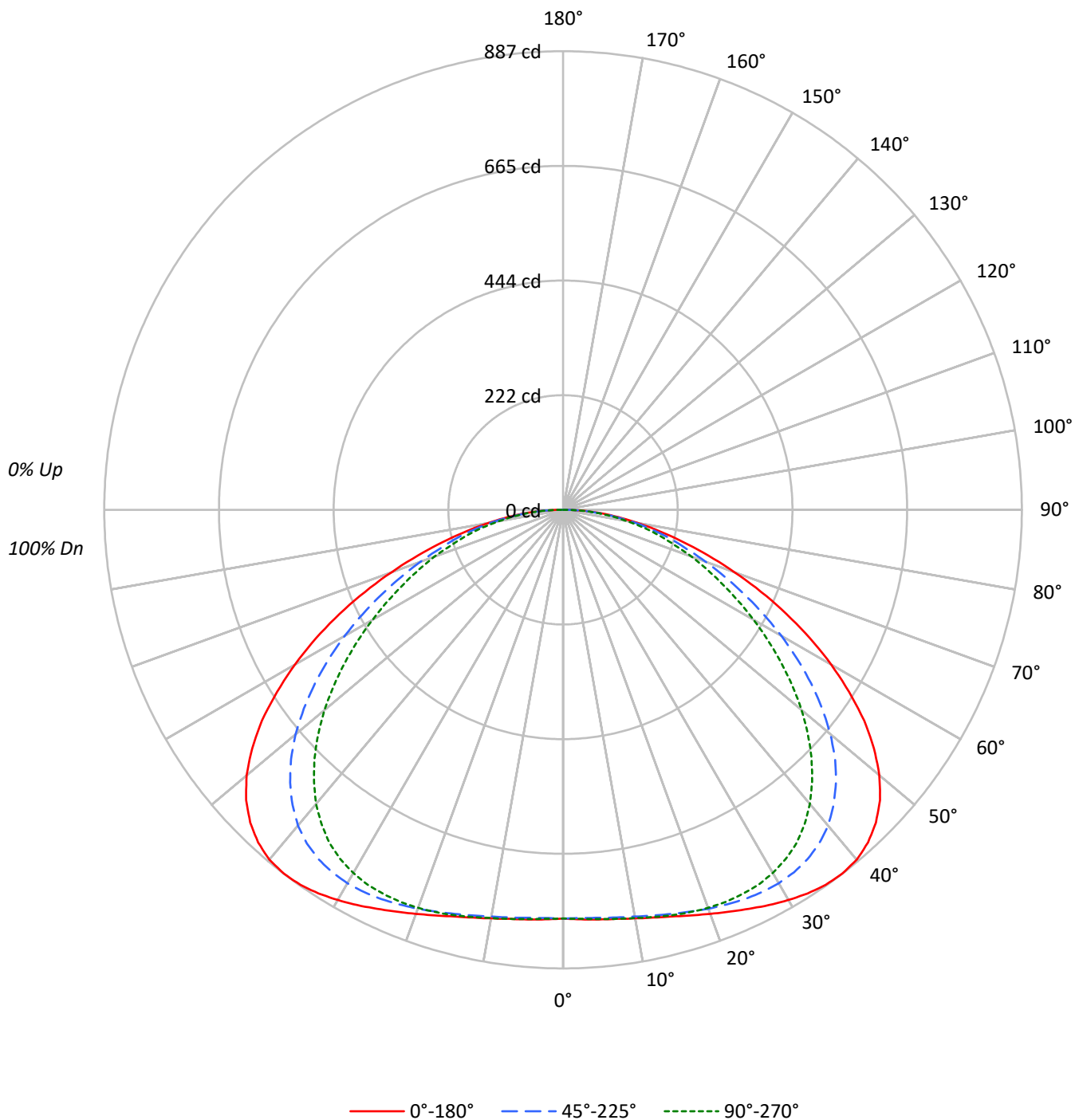
Lumens per Lamp: N/A
Luminaire Lumens: 3029.0 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
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°	2127	2127	2127
5°	2148	2139	2146
10°	2192	2182	2190
15°	2268	2254	2262
20°	2381	2352	2346
25°	2528	2466	2435
30°	2708	2591	2520
35°	2908	2708	2585
40°	3103	2800	2609
45°	3255	2840	2586
50°	3342	2824	2520
55°	3334	2746	2414
60°	3222	2620	2288
65°	3035	2461	2164
70°	2777	2304	2080
75°	2498	2219	2010
80°	2284	2156	1942
85°	2195	2062	1939

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3349 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	2.5
10°-20°	230.3	7.6
20°-30°	385.4	12.7
30°-40°	519.3	17.1
40°-50°	582.5	19.2
50°-60°	534.5	17.6
60°-70°	395.3	13.1
70°-80°	230.0	7.6
80°-90°	75.6	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°	691.7	22.8
0°-40°	1211.0	40.0
0°-60°	2328.1	76.9
0°-90°	3029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	790	790	790	790	790	
5°	795	795	792	792	794	76
15°	814	812	809	810	812	232
25°	851	845	831	822	820	395
35°	885	867	824	796	787	554
45°	855	823	746	696	679	657
55°	711	670	585	531	515	631
65°	477	448	386	351	340	471
75°	240	237	213	196	193	257
85°	71	73	67	68	63	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.4	790.4	790.4	790.4	790.4
2.5°	792.8	792.8	790.0	790.8	791.6
5°	795.2	794.8	792.0	792.4	794.4
7.5°	797.9	797.9	795.2	795.2	797.9
10°	802.3	801.5	798.7	799.5	801.5
12.5°	807.8	806.2	803.5	804.2	806.6
15°	814.1	812.5	809.0	809.8	811.8
17.5°	822.4	820.1	814.9	814.9	816.1
20°	831.5	827.6	821.2	818.1	819.3
22.5°	841.4	836.3	826.0	820.5	820.8
25°	851.3	845.0	830.7	821.6	820.1
27.5°	861.9	852.9	833.5	820.8	817.7
30°	871.4	860.0	833.9	816.5	811.0
32.5°	879.7	864.7	831.1	808.2	801.1
35°	885.3	866.7	824.4	795.6	786.9
37.5°	886.8	864.3	813.3	778.2	766.7
40°	883.3	856.8	797.1	755.2	742.6
42.5°	872.6	843.4	774.2	727.6	712.6
45°	855.2	822.8	746.2	695.6	679.4
47.5°	831.1	794.4	713.3	658.8	641.8
50°	798.3	759.6	674.6	618.9	601.9
52.5°	757.6	717.3	631.5	576.6	558.4
55°	710.6	669.9	585.3	530.8	514.6
57.5°	655.6	618.1	536.7	484.9	469.5
60°	598.7	563.2	486.9	439.1	425.2
62.5°	538.7	506.3	436.7	393.6	381.8
65°	476.6	447.8	386.5	351.3	339.9
67.5°	414.6	392.4	338.7	307.5	301.1
70°	352.9	336.3	292.8	272.3	264.4
72.5°	294.4	285.7	249.4	235.5	224.9
75°	240.3	237.1	213.4	196.4	193.3
77.5°	191.3	196.0	175.5	163.2	160.5
80°	147.4	152.2	139.1	128.8	125.3
82.5°	107.5	113.8	100.8	98.4	94.8
85°	71.1	73.1	66.8	67.6	62.8
87.5°	34.8	38.7	35.2	36.4	34.0
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	16.8	18.5	17.2	18.8	19.2	15.0	16.7	15.4	17.0	17.3
	3H	18.6	20.1	18.9	20.4	20.8	16.7	18.3	17.1	18.6	19.0
	4H	19.2	20.7	19.6	21.0	21.4	17.4	18.9	17.8	19.2	19.6
	6H	19.7	21.1	20.1	21.4	21.8	18.0	19.4	18.4	19.7	20.1
	8H	19.9	21.2	20.3	21.6	22.0	18.2	19.5	18.7	19.9	20.3
	12H	20.0	21.2	20.4	21.6	22.1	18.4	19.6	18.8	20.0	20.5
4H	2H	17.2	18.7	17.6	19.0	19.4	15.8	17.2	16.2	17.6	18.0
	3H	19.2	20.5	19.6	20.8	21.2	17.7	18.9	18.1	19.3	19.7
	4H	20.0	21.1	20.5	21.6	22.0	18.5	19.7	19.0	20.1	20.5
	6H	20.7	21.7	21.1	22.1	22.6	19.3	20.2	19.7	20.7	21.1
	8H	20.9	21.8	21.4	22.3	22.7	19.5	20.4	20.0	20.9	21.3
	12H	21.1	21.9	21.6	22.4	22.9	19.8	20.6	20.2	21.1	21.5
8H	4H	20.3	21.2	20.7	21.6	22.1	19.0	19.9	19.4	20.3	20.8
	6H	21.1	21.8	21.6	22.3	22.8	19.8	20.6	20.3	21.1	21.5
	8H	21.4	22.1	21.9	22.6	23.1	20.2	20.9	20.7	21.4	21.9
	12H	21.7	22.3	22.2	22.8	23.4	20.5	21.1	21.0	21.6	22.2
12H	4H	20.3	21.1	20.8	21.6	22.1	19.0	19.9	19.5	20.3	20.8
	6H	21.1	21.8	21.7	22.3	22.8	19.9	20.6	20.5	21.1	21.6
	8H	21.5	22.1	22.0	22.6	23.2	20.4	21.0	20.9	21.5	22.0















(END OF REPORT)