

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: P1526975

Luminaire Tested: 14CGTX-30HE-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526975
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

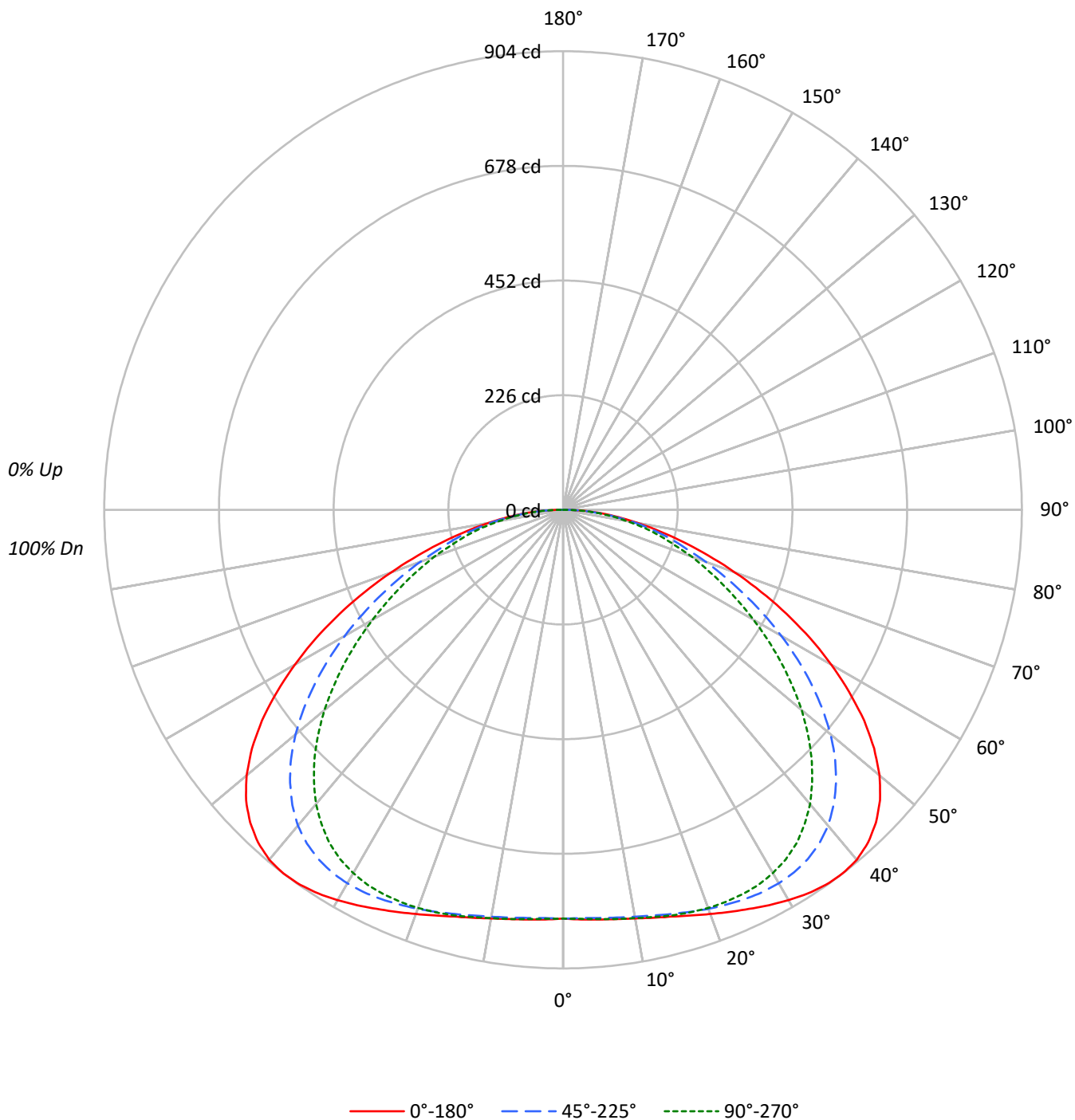
Lumens per Lamp: N/A
Luminaire Lumens: 3088.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2168	2168	2168
5°	2190	2181	2187
10°	2235	2225	2233
15°	2312	2298	2306
20°	2428	2397	2392
25°	2577	2515	2482
30°	2761	2641	2569
35°	2965	2761	2635
40°	3163	2855	2660
45°	3318	2895	2636
50°	3407	2879	2569
55°	3399	2799	2461
60°	3285	2672	2333
65°	3094	2509	2206
70°	2831	2349	2120
75°	2547	2262	2048
80°	2329	2197	1979
85°	2238	2103	1979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	2.5
10°-20°	234.8	7.6
20°-30°	392.9	12.7
30°-40°	529.4	17.1
40°-50°	593.9	19.2
50°-60°	544.9	17.6
60°-70°	403.0	13.1
70°-80°	234.5	7.6
80°-90°	77.1	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°	705.2	22.8
0°-40°	1234.6	40.0
0°-60°	2373.4	76.9
0°-90°	3088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	811	810	807	808	810	78
15°	830	828	825	826	828	236
25°	868	861	847	838	836	402
35°	902	884	840	811	802	565
45°	872	839	761	709	693	670
55°	724	683	597	541	525	644
65°	486	456	394	358	346	481
75°	245	242	218	200	197	262
85°	72	74	68	69	64	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.8	805.8	805.8	805.8	805.8
2.5°	808.2	808.2	805.4	806.2	807.0
5°	810.6	810.2	807.4	807.8	809.8
7.5°	813.5	813.5	810.6	810.6	813.5
10°	817.9	817.1	814.3	815.1	817.1
12.5°	823.5	821.9	819.1	819.9	822.3
15°	830.0	828.4	824.7	825.6	827.6
17.5°	838.4	836.0	830.8	830.8	832.0
20°	847.7	843.7	837.2	834.0	835.2
22.5°	857.8	852.5	842.1	836.4	836.8
25°	867.9	861.4	846.9	837.6	836.0
27.5°	878.7	869.5	849.7	836.8	833.6
30°	888.4	876.7	850.1	832.4	826.8
32.5°	896.9	881.6	847.3	823.9	816.7
35°	902.5	883.6	840.5	811.0	802.2
37.5°	904.1	881.2	829.2	793.3	781.6
40°	900.5	873.5	812.7	770.0	757.1
42.5°	889.6	859.8	789.3	741.7	726.4
45°	871.9	838.8	760.7	709.1	692.6
47.5°	847.3	809.8	727.2	671.6	654.3
50°	813.9	774.4	687.8	630.9	613.6
52.5°	772.4	731.3	643.8	587.8	569.3
55°	724.4	682.9	596.7	541.1	524.6
57.5°	668.4	630.1	547.1	494.4	478.7
60°	610.4	574.1	496.4	447.6	433.5
62.5°	549.2	516.1	445.2	401.3	389.2
65°	485.9	456.5	394.0	358.2	346.5
67.5°	422.6	400.1	345.3	313.5	307.0
70°	359.8	342.9	298.6	277.6	269.5
72.5°	300.2	291.3	254.2	240.1	229.3
75°	245.0	241.7	217.6	200.2	197.0
77.5°	195.0	199.8	178.9	166.4	163.6
80°	150.3	155.1	141.8	131.3	127.7
82.5°	109.6	116.0	102.7	100.3	96.7
85°	72.5	74.5	68.1	68.9	64.1
87.5°	35.5	39.5	35.9	37.1	34.6
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	16.9	18.6	17.3	18.9	19.2	15.1	16.8	15.5	17.1	17.4
	3H	18.6	20.2	19.0	20.5	20.9	16.8	18.3	17.2	18.7	19.0
	4H	19.3	20.7	19.7	21.1	21.5	17.5	19.0	17.9	19.3	19.7
	6H	19.8	21.1	20.2	21.5	21.9	18.1	19.4	18.5	19.8	20.2
	8H	19.9	21.2	20.4	21.6	22.0	18.3	19.6	18.7	20.0	20.4
	12H	20.1	21.3	20.5	21.7	22.1	18.5	19.7	18.9	20.1	20.5
4H	2H	17.3	18.8	17.7	19.1	19.5	15.9	17.3	16.3	17.7	18.0
	3H	19.3	20.5	19.7	20.9	21.3	17.8	19.0	18.2	19.4	19.8
	4H	20.1	21.2	20.5	21.6	22.1	18.6	19.7	19.0	20.1	20.6
	6H	20.8	21.7	21.2	22.2	22.6	19.3	20.3	19.8	20.7	21.2
	8H	21.0	21.9	21.5	22.3	22.8	19.6	20.5	20.1	21.0	21.4
	12H	21.2	22.0	21.7	22.5	23.0	19.8	20.7	20.3	21.1	21.6
8H	4H	20.3	21.3	20.8	21.7	22.2	19.0	19.9	19.5	20.4	20.9
	6H	21.1	21.9	21.6	22.4	22.9	19.9	20.7	20.4	21.1	21.6
	8H	21.5	22.2	22.0	22.7	23.2	20.3	20.9	20.8	21.4	21.9
	12H	21.8	22.4	22.3	22.9	23.4	20.6	21.2	21.1	21.7	22.2
12H	4H	20.4	21.2	20.9	21.7	22.1	19.1	19.9	19.6	20.4	20.9
	6H	21.2	21.9	21.7	22.4	22.9	20.0	20.7	20.5	21.2	21.7
	8H	21.6	22.2	22.1	22.7	23.3	20.4	21.0	20.9	21.5	22.1













(END OF REPORT)