

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: P1526972

Luminaire Tested: 14CGTX-30HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526972
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-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

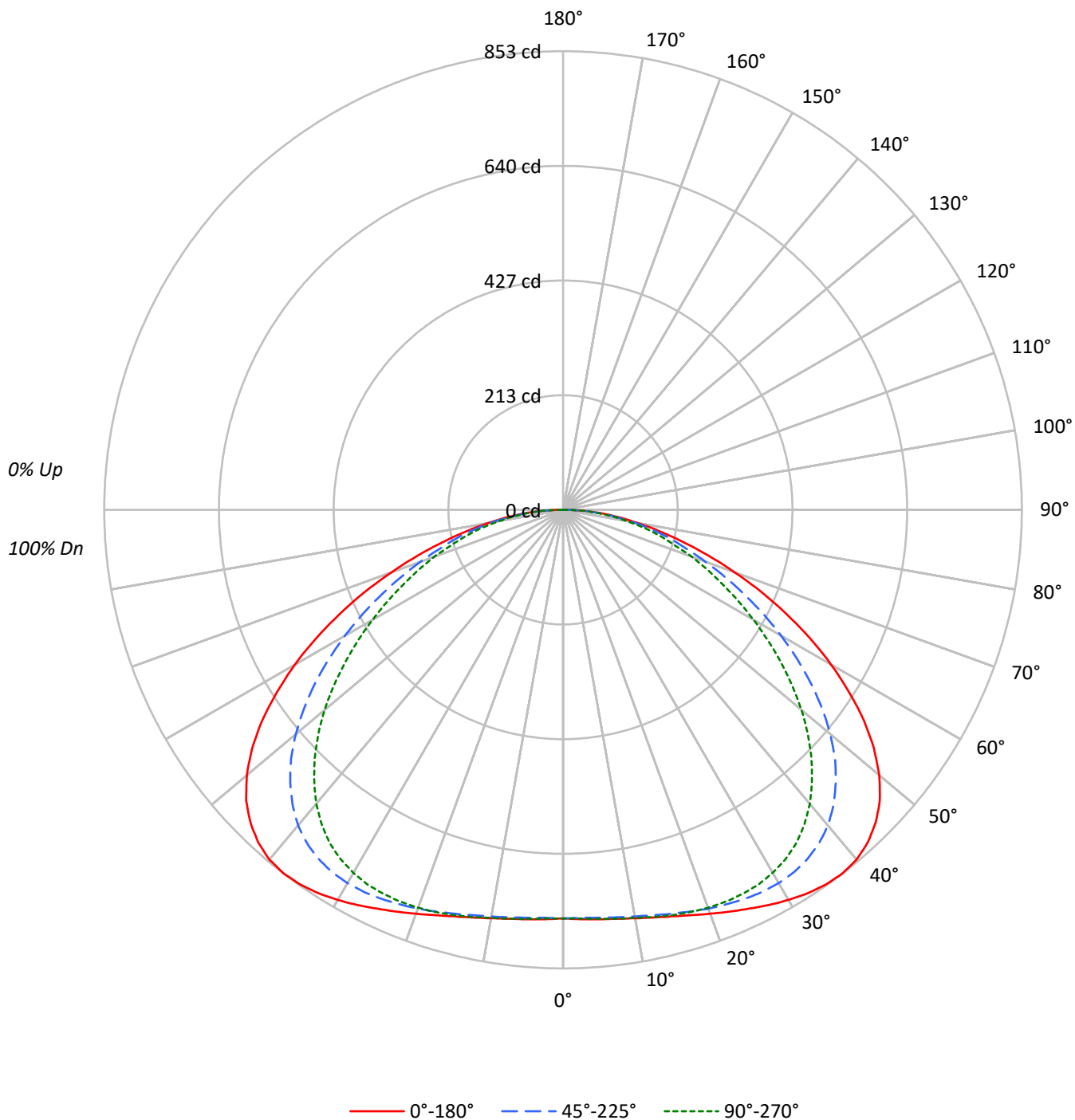
Lumens per Lamp: N/A
Luminaire Lumens: 2912.0 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	2045	2045	2045
5°	2065	2057	2063
10°	2108	2098	2105
15°	2181	2167	2174
20°	2289	2261	2255
25°	2430	2371	2341
30°	2603	2491	2422
35°	2796	2604	2485
40°	2983	2692	2508
45°	3129	2730	2485
50°	3213	2715	2423
55°	3205	2640	2321
60°	3098	2519	2200
65°	2918	2366	2080
70°	2670	2215	2000
75°	2402	2133	1932
80°	2196	2072	1866
85°	2112	1982	1865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	2.5
10°-20°	221.4	7.6
20°-30°	370.5	12.7
30°-40°	499.3	17.1
40°-50°	560.0	19.2
50°-60°	513.9	17.6
60°-70°	380.1	13.1
70°-80°	221.1	7.6
80°-90°	72.7	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°	665.0	22.8
0°-40°	1164.2	40.0
0°-60°	2238.1	76.9
0°-90°	2912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	764	764	761	762	764	73
15°	783	781	778	778	780	223
25°	818	812	799	790	788	379
35°	851	833	793	765	756	533
45°	822	791	717	669	653	632
55°	683	644	563	510	495	607
65°	458	430	372	338	327	453
75°	231	228	205	189	186	247
85°	68	70	64	65	60	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.9	759.9	759.9	759.9	759.9
2.5°	762.2	762.2	759.5	760.3	761.0
5°	764.4	764.1	761.4	761.8	763.7
7.5°	767.1	767.1	764.4	764.4	767.1
10°	771.3	770.5	767.9	768.6	770.5
12.5°	776.6	775.1	772.4	773.2	775.5
15°	782.7	781.2	777.7	778.5	780.4
17.5°	790.7	788.4	783.4	783.4	784.6
20°	799.4	795.6	789.5	786.5	787.6
22.5°	808.9	804.0	794.1	788.8	789.1
25°	818.4	812.3	798.6	789.9	788.4
27.5°	828.7	819.9	801.3	789.1	786.1
30°	837.8	826.8	801.7	785.0	779.6
32.5°	845.8	831.3	799.0	777.0	770.1
35°	851.1	833.2	792.6	764.8	756.5
37.5°	852.6	830.9	781.9	748.1	737.1
40°	849.2	823.7	766.3	726.1	713.9
42.5°	838.9	810.8	744.3	699.5	685.0
45°	822.2	791.0	717.3	668.7	653.1
47.5°	799.0	763.7	685.8	633.4	617.0
50°	767.5	730.2	648.6	595.0	578.7
52.5°	728.3	689.6	607.1	554.3	536.9
55°	683.1	644.0	562.7	510.3	494.7
57.5°	630.3	594.2	516.0	466.2	451.4
60°	575.6	541.4	468.1	422.1	408.8
62.5°	517.9	486.7	419.8	378.4	367.0
65°	458.2	430.5	371.6	337.8	326.7
67.5°	398.6	377.3	325.6	295.6	289.5
70°	339.3	323.3	281.5	261.8	254.2
72.5°	283.1	274.7	239.7	226.4	216.2
75°	231.0	228.0	205.2	188.8	185.8
77.5°	183.9	188.5	168.7	156.9	154.3
80°	141.7	146.3	133.7	123.9	120.4
82.5°	103.3	109.4	96.9	94.6	91.2
85°	68.4	70.3	64.2	65.0	60.4
87.5°	33.4	37.2	33.8	35.0	32.7
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	16.7	18.4	17.1	18.7	19.0	14.9	16.6	15.2	16.9	17.2
	3H	18.4	20.0	18.8	20.3	20.7	16.6	18.1	17.0	18.5	18.8
	4H	19.1	20.5	19.5	20.9	21.2	17.3	18.8	17.7	19.1	19.5
	6H	19.6	20.9	20.0	21.3	21.7	17.9	19.2	18.3	19.6	20.0
	8H	19.7	21.0	20.2	21.4	21.8	18.1	19.4	18.5	19.8	20.2
	12H	19.9	21.1	20.3	21.5	21.9	18.3	19.5	18.7	19.9	20.3
4H	2H	17.1	18.6	17.5	18.9	19.3	15.7	17.1	16.0	17.5	17.8
	3H	19.1	20.3	19.5	20.7	21.1	17.6	18.8	18.0	19.2	19.6
	4H	19.9	21.0	20.3	21.4	21.8	18.4	19.5	18.8	19.9	20.4
	6H	20.6	21.5	21.0	22.0	22.4	19.1	20.1	19.6	20.5	21.0
	8H	20.8	21.7	21.3	22.1	22.6	19.4	20.3	19.9	20.7	21.2
	12H	21.0	21.8	21.5	22.3	22.8	19.6	20.4	20.1	20.9	21.4
8H	4H	20.1	21.1	20.6	21.5	22.0	18.8	19.7	19.3	20.2	20.6
	6H	20.9	21.7	21.4	22.2	22.7	19.7	20.4	20.2	20.9	21.4
	8H	21.3	22.0	21.8	22.5	23.0	20.1	20.7	20.6	21.2	21.7
	12H	21.6	22.2	22.1	22.7	23.2	20.4	21.0	20.9	21.5	22.0
12H	4H	20.2	21.0	20.7	21.5	21.9	18.9	19.7	19.4	20.2	20.7
	6H	21.0	21.7	21.5	22.2	22.7	19.8	20.5	20.3	21.0	21.5
	8H	21.4	22.0	21.9	22.5	23.1	20.2	20.8	20.7	21.3	21.9













(END OF REPORT)