

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: P1526976

Luminaire Tested: 14CGTX-30HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526976
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

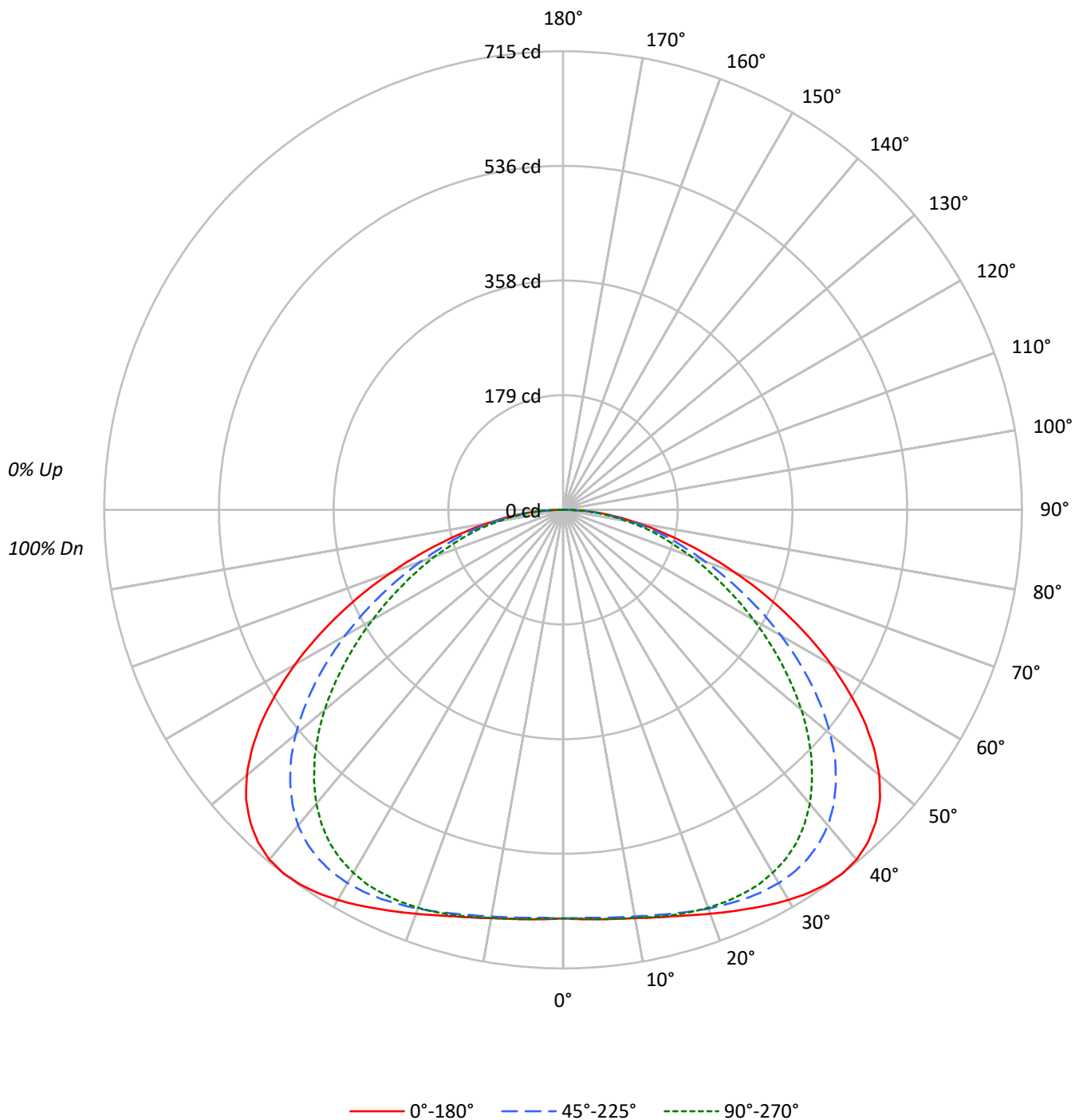
Lumens per Lamp: N/A
Luminaire Lumens: 2441.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1714	1714	1714
5°	1731	1724	1729
10°	1767	1759	1765
15°	1828	1816	1823
20°	1919	1895	1891
25°	2037	1988	1962
30°	2182	2088	2031
35°	2344	2183	2083
40°	2500	2257	2102
45°	2623	2288	2084
50°	2693	2276	2031
55°	2686	2213	1946
60°	2597	2112	1844
65°	2446	1983	1744
70°	2238	1857	1677
75°	2013	1788	1619
80°	1841	1737	1565
85°	1769	1661	1562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	2.5
10°-20°	185.6	7.6
20°-30°	310.6	12.7
30°-40°	418.5	17.1
40°-50°	469.4	19.2
50°-60°	430.8	17.6
60°-70°	318.6	13.1
70°-80°	185.3	7.6
80°-90°	60.9	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°	557.4	22.8
0°-40°	975.9	40.0
0°-60°	1876.1	76.9
0°-90°	2441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	641	640	638	639	640	61
15°	656	655	652	653	654	187
25°	686	681	670	662	661	318
35°	713	698	664	641	634	447
45°	689	663	601	560	548	530
55°	573	540	472	428	415	509
65°	384	361	312	283	274	380
75°	194	191	172	158	156	207
85°	57	59	54	54	51	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	637.0	637.0	637.0	637.0	637.0
2.5°	638.9	638.9	636.7	637.3	637.9
5°	640.8	640.5	638.3	638.6	640.2
7.5°	643.0	643.0	640.8	640.8	643.0
10°	646.5	645.9	643.7	644.3	645.9
12.5°	651.0	649.7	647.5	648.1	650.0
15°	656.1	654.8	651.9	652.6	654.2
17.5°	662.8	660.9	656.7	656.7	657.7
20°	670.1	666.9	661.8	659.3	660.2
22.5°	678.1	673.9	665.6	661.2	661.5
25°	686.0	680.9	669.5	662.1	660.9
27.5°	694.6	687.3	671.7	661.5	659.0
30°	702.3	693.0	672.0	658.0	653.5
32.5°	709.0	696.9	669.8	651.3	645.6
35°	713.4	698.4	664.4	641.1	634.1
37.5°	714.7	696.5	655.4	627.1	617.9
40°	711.8	690.5	642.4	608.6	598.4
42.5°	703.2	679.7	623.9	586.3	574.2
45°	689.2	663.1	601.3	560.5	547.5
47.5°	669.8	640.2	574.9	530.9	517.2
50°	643.3	612.1	543.7	498.8	485.1
52.5°	610.5	578.1	508.9	464.7	450.0
55°	572.6	539.8	471.7	427.7	414.7
57.5°	528.4	498.1	432.5	390.8	378.4
60°	482.5	453.8	392.4	353.8	342.7
62.5°	434.1	408.0	351.9	317.2	307.7
65°	384.1	360.8	311.5	283.1	273.9
67.5°	334.1	316.3	272.9	247.8	242.7
70°	284.4	271.0	236.0	219.4	213.1
72.5°	237.3	230.3	201.0	189.8	181.2
75°	193.6	191.1	172.0	158.3	155.7
77.5°	154.1	158.0	141.4	131.5	129.3
80°	118.8	122.6	112.1	103.8	101.0
82.5°	86.6	91.7	81.2	79.3	76.4
85°	57.3	58.9	53.8	54.5	50.6
87.5°	28.0	31.2	28.3	29.3	27.4
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	16.1	17.8	16.4	18.1	18.4	14.3	16.0	14.6	16.3	16.6
	3H	17.8	19.4	18.2	19.7	20.0	16.0	17.5	16.4	17.9	18.2
	4H	18.5	19.9	18.9	20.3	20.6	16.7	18.1	17.1	18.5	18.9
	6H	19.0	20.3	19.4	20.7	21.1	17.3	18.6	17.7	19.0	19.4
	8H	19.1	20.4	19.5	20.8	21.2	17.5	18.8	17.9	19.2	19.6
	12H	19.3	20.5	19.7	20.9	21.3	17.7	18.9	18.1	19.3	19.7
4H	2H	16.5	17.9	16.9	18.3	18.7	15.0	16.5	15.4	16.8	17.2
	3H	18.5	19.7	18.9	20.1	20.5	17.0	18.2	17.4	18.6	19.0
	4H	19.3	20.4	19.7	20.8	21.2	17.8	18.9	18.2	19.3	19.7
	6H	19.9	20.9	20.4	21.4	21.8	18.5	19.5	19.0	19.9	20.4
	8H	20.2	21.1	20.6	21.5	22.0	18.8	19.7	19.2	20.1	20.6
	12H	20.4	21.2	20.9	21.7	22.1	19.0	19.8	19.5	20.3	20.8
8H	4H	19.5	20.4	20.0	20.9	21.3	18.2	19.1	18.7	19.6	20.0
	6H	20.3	21.1	20.8	21.6	22.1	19.1	19.8	19.6	20.3	20.8
	8H	20.7	21.4	21.2	21.9	22.3	19.4	20.1	19.9	20.6	21.1
	12H	21.0	21.6	21.5	22.1	22.6	19.8	20.4	20.3	20.9	21.4
12H	4H	19.6	20.4	20.0	20.9	21.3	18.3	19.1	18.8	19.6	20.1
	6H	20.4	21.1	20.9	21.5	22.1	19.2	19.9	19.7	20.3	20.9
	8H	20.8	21.4	21.3	21.9	22.4	19.6	20.2	20.1	20.7	21.3















(END OF REPORT)