

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: P1526756

Luminaire Tested: 14CGTX-30HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-30HE-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

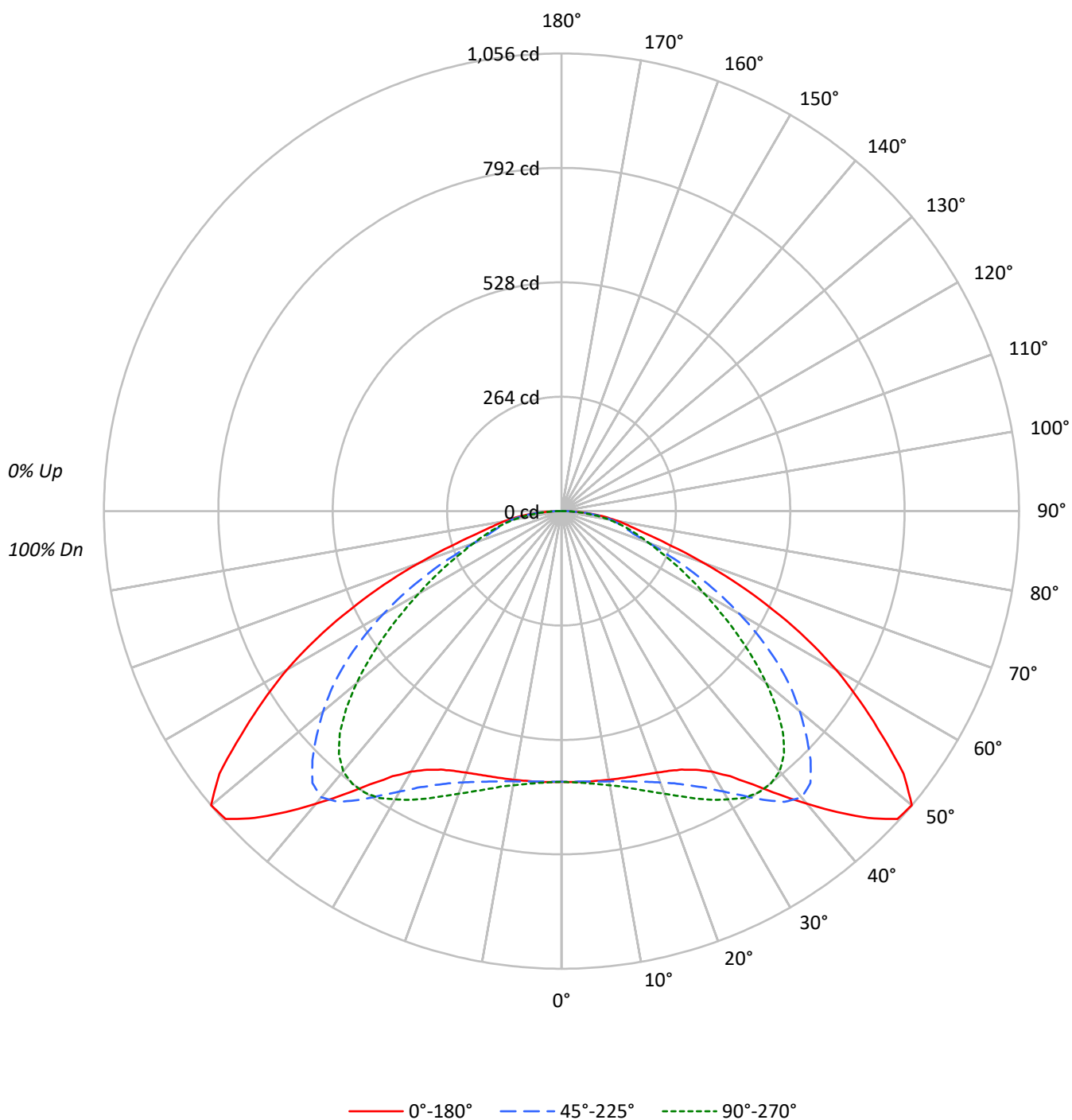
Lumens per Lamp: N/A
Luminaire Lumens: 2925.8 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49	47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42	39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36	34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27	25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1681	1681	1681
5°	1694	1692	1701
10°	1720	1730	1755
15°	1766	1800	1850
20°	1839	1907	1987
25°	1954	2072	2172
30°	2156	2321	2386
35°	2528	2671	2604
40°	3094	3029	2752
45°	3811	3095	2752
50°	4419	3005	2585
55°	4239	2849	2325
60°	3939	2556	2047
65°	3431	2141	1834
70°	2744	1683	1683
75°	2105	1596	1671
80°	2067	1843	1702
85°	2078	2041	1667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	2.1
10°-20°	184.4	6.3
20°-30°	324.6	11.1
30°-40°	502.8	17.2
40°-50°	640.5	21.9
50°-60°	582.8	19.9
60°-70°	377.9	12.9
70°-80°	183.8	6.3
80°-90°	68.9	2.4
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°	569.1	19.5
0°-40°	1071.9	36.6
0°-60°	2295.2	78.4
0°-90°	2925.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2925.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	627	628	626	627	630	60
15°	634	638	646	658	664	180
25°	658	672	698	722	732	307
35°	770	803	813	800	793	490
45°	1001	940	813	742	723	769
55°	904	793	607	523	496	807
65°	539	477	336	292	288	534
75°	202	185	154	146	161	230
85°	67	73	66	60	54	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.7	624.7	624.7	624.7	624.7
2.5°	625.8	626.6	624.7	625.1	626.2
5°	627.0	627.7	626.2	627.4	629.6
7.5°	627.7	629.3	629.3	631.9	635.0
10°	629.6	631.2	633.1	638.4	642.2
12.5°	631.2	633.8	638.4	647.1	651.3
15°	633.8	638.0	646.0	658.1	664.2
17.5°	637.2	643.3	654.7	670.7	677.9
20°	642.2	650.2	666.1	685.1	693.9
22.5°	648.6	659.3	679.8	702.2	711.7
25°	658.1	671.8	697.7	722.4	731.5
27.5°	672.6	689.7	719.3	744.0	750.9
30°	693.9	715.1	747.1	764.2	768.0
32.5°	725.4	752.8	778.2	783.9	784.7
35°	769.5	802.9	813.2	799.9	792.7
37.5°	823.4	860.7	845.5	806.0	793.0
40°	880.8	911.2	862.2	801.0	783.5
42.5°	941.6	940.1	850.8	779.4	760.4
45°	1001.3	939.7	813.2	742.1	723.1
47.5°	1051.4	911.2	766.4	696.1	673.7
50°	1055.6	874.0	717.8	640.3	617.5
52.5°	994.8	837.1	666.5	582.5	556.3
55°	903.6	792.7	607.2	523.2	495.5
57.5°	817.4	734.5	542.6	462.1	434.7
60°	731.9	659.7	475.0	402.8	380.4
62.5°	637.2	572.6	405.8	343.9	332.1
65°	538.8	477.3	336.3	291.5	288.0
67.5°	443.4	386.8	269.8	242.1	246.2
70°	348.8	305.5	213.9	207.5	213.9
72.5°	265.2	240.9	174.0	175.6	186.2
75°	202.5	185.4	153.5	146.3	160.7
77.5°	162.3	151.2	136.0	125.4	136.0
80°	133.4	130.7	118.9	106.4	109.8
82.5°	100.7	102.6	93.5	87.0	82.8
85°	67.3	73.3	66.1	60.4	54.0
87.5°	33.8	41.0	35.0	31.2	27.7
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	18.2	19.9	18.5	20.2	20.5	14.7	16.4	15.1	16.8	17.1
	3H	19.4	21.0	19.8	21.3	21.7	16.0	17.6	16.4	17.9	18.2
	4H	19.8	21.3	20.2	21.6	22.0	16.6	18.0	17.0	18.4	18.8
	6H	20.1	21.5	20.5	21.8	22.2	17.1	18.5	17.5	18.8	19.2
	8H	20.2	21.5	20.7	21.9	22.3	17.3	18.6	17.8	19.0	19.4
	12H	20.3	21.6	20.8	22.0	22.4	17.5	18.8	17.9	19.1	19.6
4H	2H	18.3	19.8	18.7	20.1	20.5	15.4	16.8	15.8	17.2	17.6
	3H	19.8	21.0	20.2	21.4	21.8	16.8	18.1	17.2	18.5	18.9
	4H	20.3	21.4	20.7	21.8	22.2	17.5	18.6	17.9	19.0	19.5
	6H	20.7	21.7	21.2	22.1	22.6	18.2	19.2	18.6	19.6	20.1
	8H	20.9	21.8	21.4	22.3	22.7	18.5	19.4	18.9	19.8	20.3
	12H	21.1	21.9	21.6	22.4	22.9	18.7	19.6	19.2	20.0	20.5
8H	4H	20.4	21.3	20.8	21.7	22.2	17.8	18.8	18.3	19.2	19.7
	6H	20.9	21.7	21.4	22.2	22.7	18.7	19.4	19.2	19.9	20.4
	8H	21.2	21.9	21.7	22.4	22.9	19.1	19.8	19.6	20.3	20.8
	12H	21.5	22.1	22.0	22.6	23.2	19.4	20.1	20.0	20.6	21.1
12H	4H	20.4	21.2	20.9	21.7	22.2	17.9	18.7	18.4	19.2	19.7
	6H	21.0	21.7	21.5	22.1	22.7	18.8	19.5	19.3	20.0	20.5
	8H	21.3	22.0	21.8	22.4	23.0	19.3	19.9	19.8	20.4	20.9













(END OF REPORT)