

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: P1584086

Luminaire Tested: 14CGSB-30-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-30-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

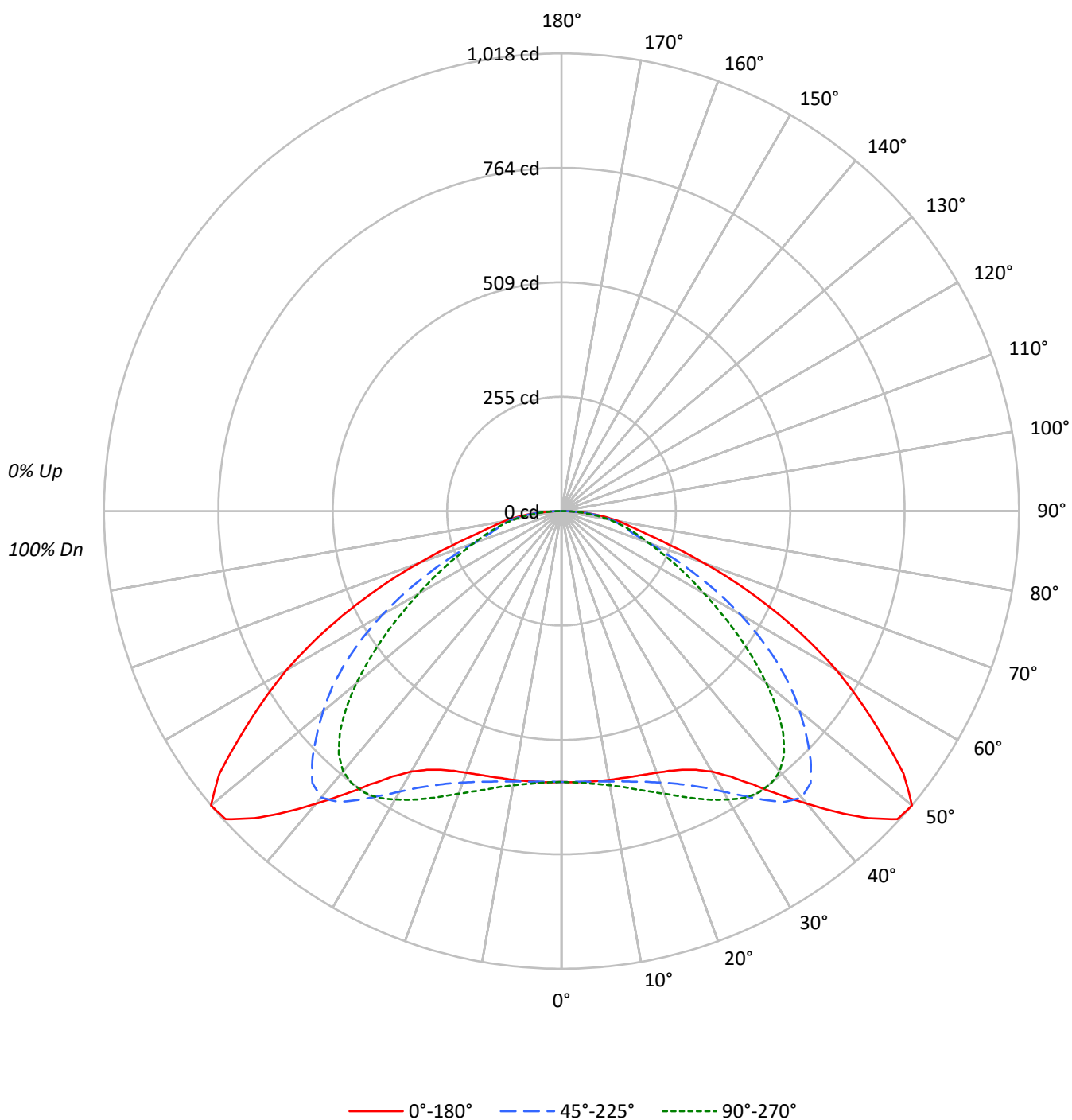
Lumens per Lamp: N/A
Luminaire Lumens: 2821.6 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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	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°	1621	1621	1621
5°	1633	1631	1640
10°	1659	1668	1692
15°	1703	1736	1785
20°	1773	1840	1916
25°	1885	1998	2094
30°	2079	2238	2301
35°	2438	2576	2511
40°	2984	2921	2654
45°	3675	2984	2654
50°	4262	2898	2493
55°	4088	2747	2242
60°	3799	2465	1974
65°	3309	2065	1769
70°	2647	1623	1623
75°	2031	1539	1612
80°	1993	1777	1641
85°	2004	1970	1606

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	2.1
10°-20°	177.8	6.3
20°-30°	313.0	11.1
30°-40°	484.9	17.2
40°-50°	617.7	21.9
50°-60°	562.0	19.9
60°-70°	364.5	12.9
70°-80°	177.3	6.3
80°-90°	66.4	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°	548.8	19.5
0°-40°	1033.7	36.6
0°-60°	2213.4	78.4
0°-90°	2821.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2821.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	602	602	602	602	602	
5°	605	605	604	605	607	58
15°	611	615	623	635	641	174
25°	635	648	673	697	705	296
35°	742	774	784	771	764	473
45°	966	906	784	716	697	742
55°	871	764	586	505	478	778
65°	520	460	324	281	278	515
75°	195	179	148	141	155	221
85°	65	71	64	58	52	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	602.4	602.4	602.4	602.4	602.4
2.5°	603.5	604.3	602.4	602.8	603.9
5°	604.6	605.4	603.9	605.0	607.2
7.5°	605.4	606.8	606.8	609.4	612.3
10°	607.2	608.7	610.5	615.6	619.3
12.5°	608.7	611.2	615.6	624.1	628.1
15°	611.2	615.3	623.0	634.7	640.6
17.5°	614.5	620.4	631.4	646.8	653.8
20°	619.3	627.0	642.4	660.7	669.1
22.5°	625.5	635.8	655.6	677.2	686.4
25°	634.7	647.9	672.8	696.6	705.4
27.5°	648.6	665.1	693.7	717.5	724.1
30°	669.1	689.7	720.4	736.9	740.6
32.5°	699.6	725.9	750.5	756.0	756.7
35°	742.1	774.3	784.2	771.4	764.4
37.5°	794.1	830.0	815.4	777.2	764.8
40°	849.4	878.8	831.5	772.5	755.6
42.5°	908.1	906.6	820.5	751.6	733.3
45°	965.6	906.2	784.2	715.7	697.4
47.5°	1014.0	878.8	739.1	671.3	649.7
50°	1018.0	842.8	692.2	617.5	595.5
52.5°	959.4	807.3	642.8	561.8	536.5
55°	871.4	764.4	585.6	504.6	477.9
57.5°	788.2	708.4	523.3	445.6	419.2
60°	705.8	636.2	458.1	388.4	366.8
62.5°	614.5	552.2	391.4	331.6	320.3
65°	519.6	460.3	324.3	281.1	277.8
67.5°	427.7	373.0	260.2	233.4	237.5
70°	336.4	294.6	206.3	200.1	206.3
72.5°	255.8	232.3	167.8	169.3	179.6
75°	195.3	178.8	148.0	141.1	155.0
77.5°	156.5	145.8	131.2	120.9	131.2
80°	128.6	126.1	114.7	102.6	105.9
82.5°	97.1	98.9	90.1	83.9	79.9
85°	64.9	70.7	63.8	58.3	52.0
87.5°	32.6	39.6	33.7	30.0	26.8
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	18.0	19.8	18.4	20.1	20.4	14.6	16.3	15.0	16.6	16.9
	3H	19.3	20.9	19.7	21.2	21.6	15.9	17.4	16.2	17.8	18.1
	4H	19.7	21.1	20.1	21.5	21.9	16.4	17.9	16.8	18.3	18.6
	6H	20.0	21.3	20.4	21.7	22.1	17.0	18.4	17.4	18.7	19.1
	8H	20.1	21.4	20.5	21.8	22.2	17.2	18.5	17.6	18.9	19.3
	12H	20.2	21.5	20.6	21.8	22.3	17.4	18.6	17.8	19.0	19.4
4H	2H	18.2	19.7	18.6	20.0	20.4	15.2	16.7	15.6	17.1	17.4
	3H	19.7	20.9	20.1	21.3	21.7	16.7	17.9	17.1	18.3	18.7
	4H	20.1	21.3	20.6	21.7	22.1	17.4	18.5	17.8	18.9	19.3
	6H	20.6	21.6	21.0	22.0	22.5	18.1	19.0	18.5	19.5	19.9
	8H	20.8	21.7	21.3	22.1	22.6	18.4	19.3	18.8	19.7	20.2
	12H	21.0	21.8	21.5	22.3	22.7	18.6	19.4	19.1	19.9	20.4
8H	4H	20.2	21.2	20.7	21.6	22.1	17.7	18.6	18.2	19.1	19.5
	6H	20.8	21.6	21.3	22.1	22.5	18.6	19.3	19.0	19.8	20.3
	8H	21.1	21.8	21.6	22.3	22.8	19.0	19.7	19.5	20.2	20.6
	12H	21.4	22.0	21.9	22.5	23.1	19.3	19.9	19.8	20.4	21.0
12H	4H	20.3	21.1	20.7	21.6	22.0	17.8	18.6	18.3	19.1	19.6
	6H	20.9	21.6	21.4	22.0	22.6	18.7	19.4	19.2	19.8	20.4
	8H	21.2	21.8	21.7	22.3	22.9	19.2	19.8	19.7	20.3	20.8















(END OF REPORT)