

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: P1584097

Luminaire Tested: 14CGSB-35-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584097
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-35-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

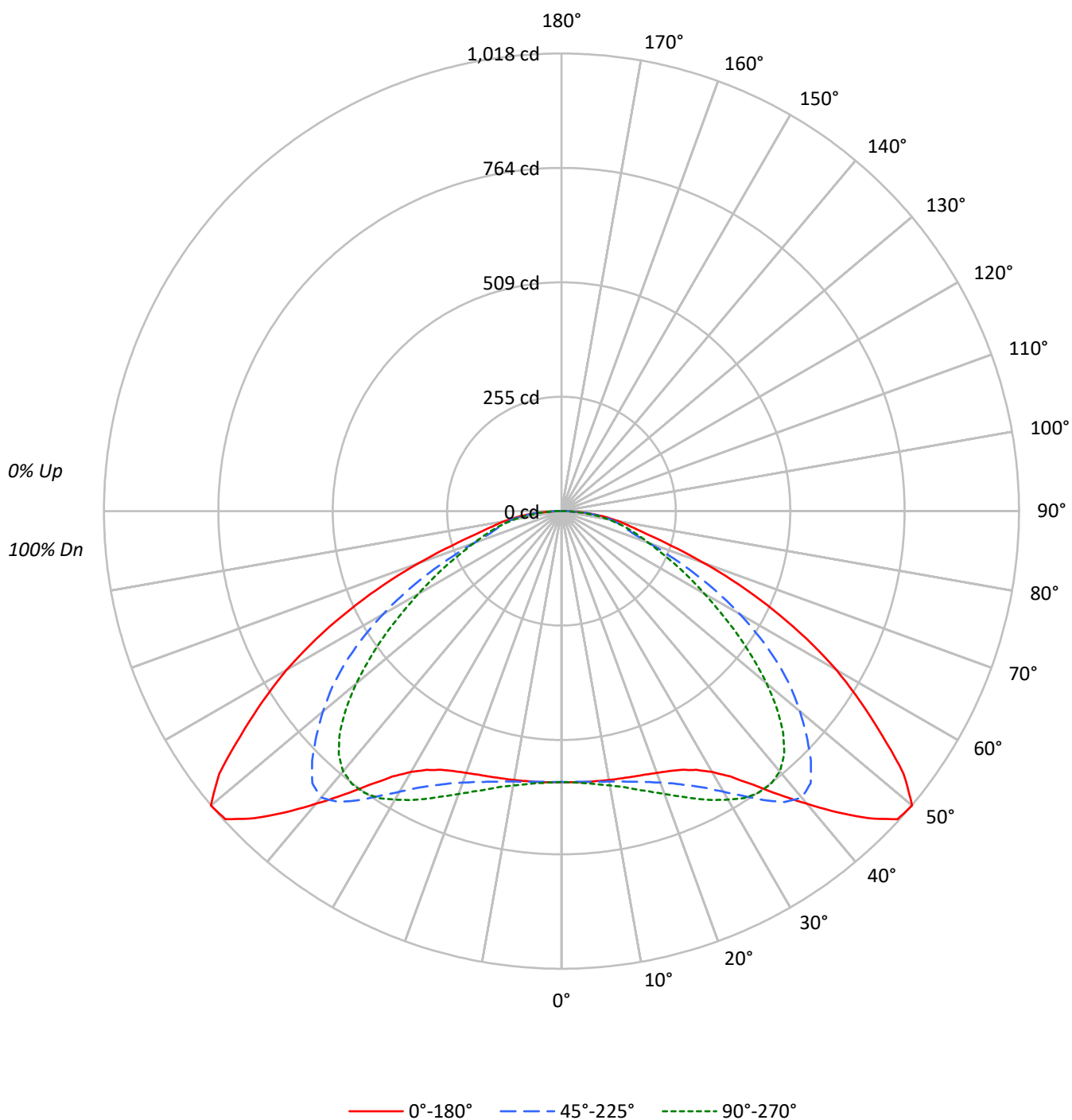
Lumens per Lamp: N/A
Luminaire Lumens: 2822.6 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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°	1622	1622	1622
5°	1634	1632	1641
10°	1660	1669	1693
15°	1704	1736	1785
20°	1774	1840	1917
25°	1885	1998	2095
30°	2080	2239	2302
35°	2439	2577	2512
40°	2985	2922	2655
45°	3676	2986	2655
50°	4263	2899	2494
55°	4090	2748	2243
60°	3800	2466	1975
65°	3310	2066	1769
70°	2648	1624	1624
75°	2032	1540	1613
80°	1994	1777	1641
85°	2004	1970	1609

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	2.1
10°-20°	177.9	6.3
20°-30°	313.1	11.1
30°-40°	485.1	17.2
40°-50°	617.9	21.9
50°-60°	562.2	19.9
60°-70°	364.6	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°	549.0	19.5
0°-40°	1034.1	36.6
0°-60°	2214.2	78.4
0°-90°	2822.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2822.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	605	606	604	605	607	58
15°	612	616	623	635	641	174
25°	635	648	673	697	706	296
35°	742	775	784	772	765	473
45°	966	907	784	716	698	742
55°	872	765	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°	602.7	602.7	602.7	602.7	602.7
2.5°	603.8	604.5	602.7	603.0	604.1
5°	604.9	605.6	604.1	605.2	607.4
7.5°	605.6	607.1	607.1	609.6	612.6
10°	607.4	608.9	610.7	615.9	619.5
12.5°	608.9	611.5	615.9	624.3	628.3
15°	611.5	615.5	623.2	634.9	640.8
17.5°	614.8	620.6	631.6	647.0	654.0
20°	619.5	627.2	642.6	661.0	669.4
22.5°	625.8	636.0	655.8	677.4	686.6
25°	634.9	648.1	673.0	696.9	705.7
27.5°	648.9	665.3	693.9	717.8	724.4
30°	669.4	689.9	720.7	737.2	740.9
32.5°	699.8	726.2	750.8	756.3	757.0
35°	742.3	774.6	784.5	771.7	764.7
37.5°	794.4	830.3	815.6	777.5	765.1
40°	849.7	879.1	831.8	772.8	755.9
42.5°	908.4	906.9	820.8	751.9	733.5
45°	965.9	906.6	784.5	715.9	697.6
47.5°	1014.3	879.1	739.4	671.6	650.0
50°	1018.4	843.1	692.5	617.7	595.7
52.5°	959.7	807.6	643.0	562.0	536.7
55°	871.7	764.7	585.8	504.8	478.0
57.5°	788.5	708.6	523.5	445.8	419.4
60°	706.0	636.4	458.2	388.6	367.0
62.5°	614.8	552.4	391.5	331.8	320.4
65°	519.8	460.4	324.4	281.2	277.9
67.5°	427.8	373.2	260.3	233.5	237.5
70°	336.5	294.7	206.4	200.2	206.4
72.5°	255.9	232.4	167.9	169.4	179.6
75°	195.4	178.9	148.1	141.1	155.1
77.5°	156.5	145.9	131.2	121.0	131.2
80°	128.7	126.1	114.7	102.6	105.9
82.5°	97.1	99.0	90.2	83.9	79.9
85°	64.9	70.8	63.8	58.3	52.1
87.5°	32.6	39.6	33.7	30.1	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	15.3	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	22.2	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)