

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: P1584079

Luminaire Tested: 14CGSB-25-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584079
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-25-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

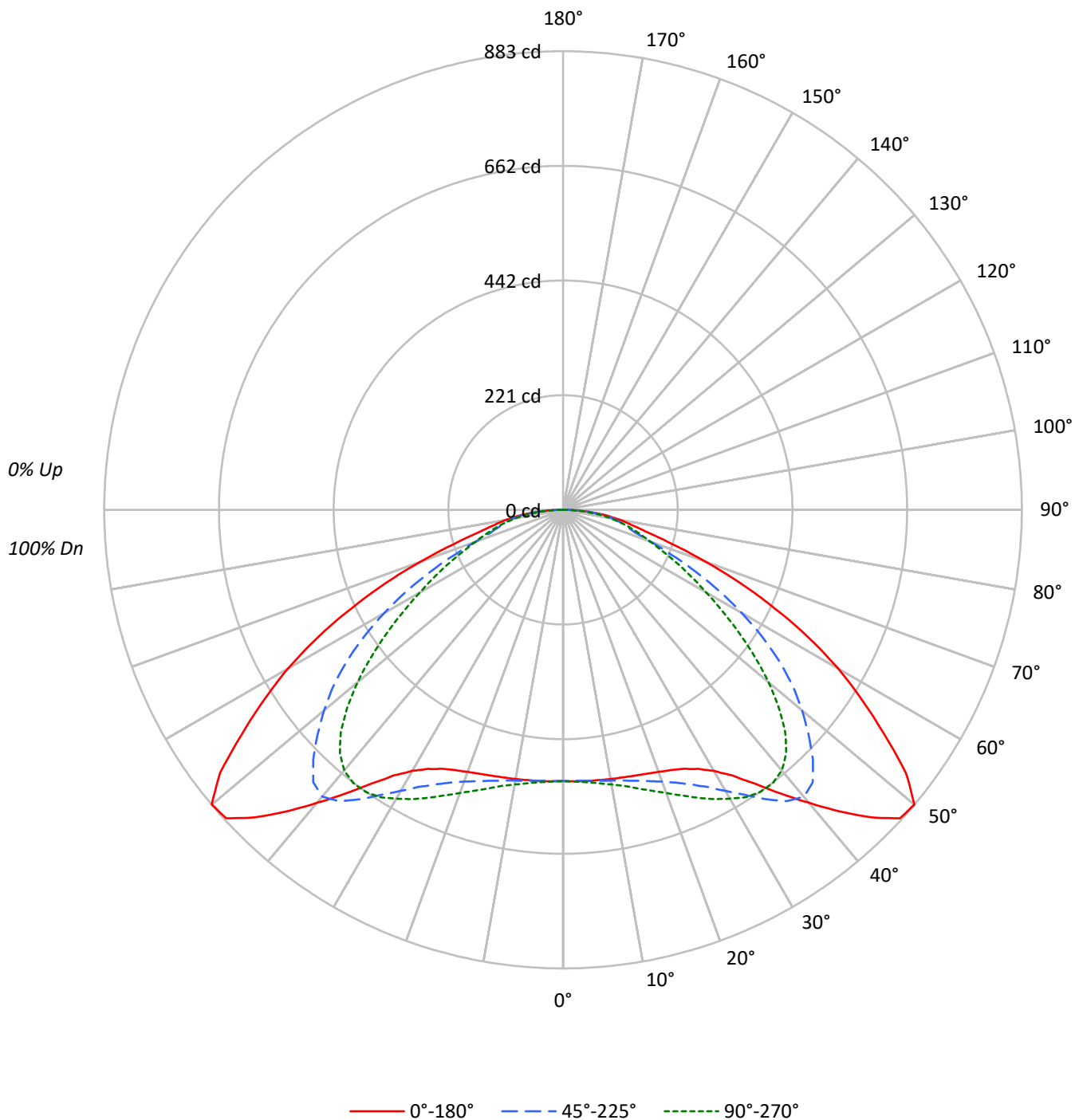
Lumens per Lamp: N/A
Luminaire Lumens: 2446.2 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
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°	1405	1405	1405
5°	1416	1414	1422
10°	1438	1446	1467
15°	1476	1505	1547
20°	1538	1595	1661
25°	1634	1732	1816
30°	1803	1941	1995
35°	2113	2234	2177
40°	2587	2532	2301
45°	3186	2587	2301
50°	3695	2512	2161
55°	3544	2382	1944
60°	3293	2137	1711
65°	2869	1791	1533
70°	2294	1408	1408
75°	1760	1334	1397
80°	1728	1540	1423
85°	1735	1707	1392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3695 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	2.1
10°-20°	154.2	6.3
20°-30°	271.4	11.1
30°-40°	420.4	17.2
40°-50°	535.5	21.9
50°-60°	487.2	19.9
60°-70°	316.0	12.9
70°-80°	153.7	6.3
80°-90°	57.6	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°	475.8	19.5
0°-40°	896.2	36.6
0°-60°	1918.9	78.4
0°-90°	2446.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2446.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	524	525	524	524	526	50
15°	530	533	540	550	555	151
25°	550	562	583	604	612	257
35°	643	671	680	669	663	410
45°	837	786	680	620	605	643
55°	756	663	508	438	414	674
65°	450	399	281	244	241	446
75°	169	155	128	122	134	192
85°	56	61	55	50	45	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	522.3	522.3	522.3	522.3	522.3
2.5°	523.2	523.9	522.3	522.6	523.6
5°	524.2	524.8	523.6	524.5	526.4
7.5°	524.8	526.1	526.1	528.3	530.9
10°	526.4	527.7	529.3	533.7	536.9
12.5°	527.7	529.9	533.7	541.0	544.5
15°	529.9	533.4	540.1	550.2	555.3
17.5°	532.8	537.9	547.4	560.7	566.8
20°	536.9	543.6	556.9	572.8	580.1
22.5°	542.3	551.2	568.4	587.1	595.0
25°	550.2	561.7	583.3	603.9	611.6
27.5°	562.3	576.6	601.4	622.0	627.8
30°	580.1	597.9	624.6	638.9	642.1
32.5°	606.5	629.4	650.6	655.4	656.0
35°	643.3	671.3	679.9	668.8	662.7
37.5°	688.4	719.6	706.9	673.8	663.0
40°	736.4	761.8	720.9	669.7	655.1
42.5°	787.3	786.0	711.3	651.6	635.7
45°	837.1	785.7	679.9	620.5	604.6
47.5°	879.1	761.8	640.8	582.0	563.3
50°	882.6	730.7	600.1	535.3	516.3
52.5°	831.7	699.9	557.2	487.0	465.1
55°	755.5	662.7	507.7	437.5	414.3
57.5°	683.4	614.1	453.7	386.3	363.4
60°	611.9	551.5	397.1	336.8	318.0
62.5°	532.8	478.8	339.3	287.5	277.7
65°	450.5	399.0	281.2	243.7	240.8
67.5°	370.8	323.4	225.6	202.4	205.9
70°	291.6	255.4	178.9	173.5	178.9
72.5°	221.8	201.4	145.5	146.8	155.7
75°	169.3	155.0	128.3	122.3	134.4
77.5°	135.7	126.4	113.7	104.8	113.7
80°	111.5	109.3	99.4	89.0	91.8
82.5°	84.2	85.8	78.2	72.8	69.3
85°	56.2	61.3	55.3	50.5	45.1
87.5°	28.3	34.3	29.2	26.1	23.2
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	17.5	19.3	17.9	19.6	19.9	14.1	15.8	14.5	16.1	16.4
	3H	18.8	20.4	19.2	20.7	21.1	15.4	16.9	15.8	17.3	17.6
	4H	19.2	20.7	19.6	21.0	21.4	15.9	17.4	16.3	17.8	18.1
	6H	19.5	20.8	19.9	21.2	21.6	16.5	17.9	16.9	18.2	18.6
	8H	19.6	20.9	20.0	21.3	21.7	16.7	18.0	17.1	18.4	18.8
	12H	19.7	21.0	20.1	21.4	21.8	16.9	18.1	17.3	18.5	18.9
4H	2H	17.7	19.2	18.1	19.5	19.9	14.8	16.2	15.2	16.6	16.9
	3H	19.2	20.4	19.6	20.8	21.2	16.2	17.4	16.6	17.8	18.2
	4H	19.6	20.8	20.1	21.2	21.6	16.9	18.0	17.3	18.4	18.8
	6H	20.1	21.1	20.5	21.5	22.0	17.6	18.5	18.0	19.0	19.4
	8H	20.3	21.2	20.8	21.7	22.1	17.9	18.8	18.3	19.2	19.7
	12H	20.5	21.3	21.0	21.8	22.2	18.1	18.9	18.6	19.4	19.9
8H	4H	19.7	20.7	20.2	21.1	21.6	17.2	18.1	17.7	18.6	19.0
	6H	20.3	21.1	20.8	21.6	22.1	18.1	18.8	18.6	19.3	19.8
	8H	20.6	21.3	21.1	21.8	22.3	18.5	19.2	19.0	19.7	20.1
	12H	20.9	21.5	21.4	22.0	22.6	18.8	19.4	19.3	19.9	20.5
12H	4H	19.8	20.6	20.2	21.1	21.5	17.3	18.1	17.8	18.6	19.1
	6H	20.4	21.1	20.9	21.5	22.1	18.2	18.9	18.7	19.3	19.9
	8H	20.7	21.3	21.2	21.8	22.4	18.7	19.3	19.2	19.8	20.3















(END OF REPORT)