

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: P1584082

Luminaire Tested: 14CGSB-25-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584082
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

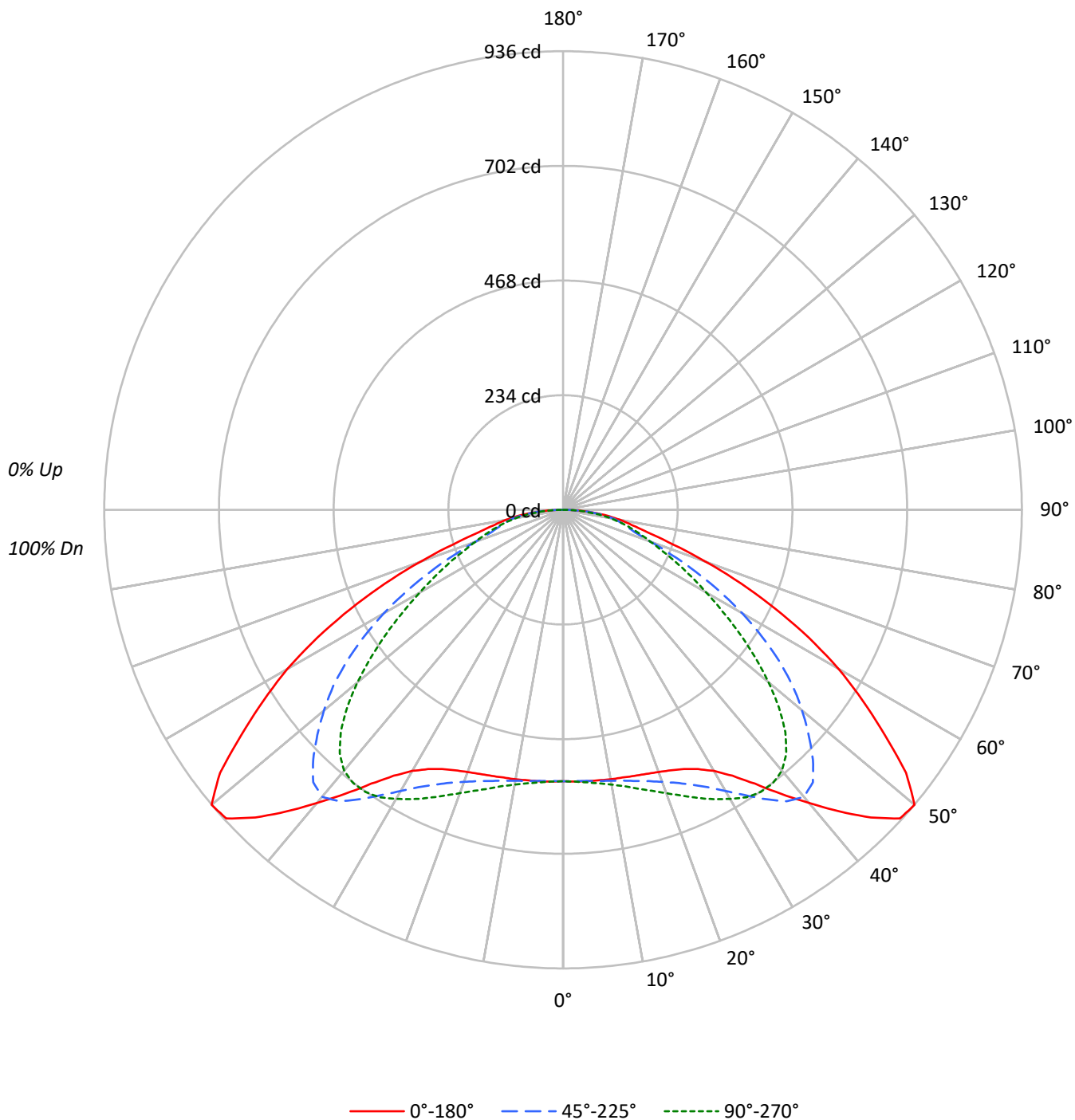
Lumens per Lamp: N/A
Luminaire Lumens: 2594.4 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
RC	80				70				50				30				10			
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°	1491	1491	1491
5°	1502	1500	1508
10°	1526	1534	1556
15°	1566	1596	1641
20°	1631	1692	1762
25°	1733	1837	1926
30°	1912	2058	2116
35°	2241	2369	2309
40°	2744	2686	2441
45°	3379	2744	2440
50°	3918	2665	2292
55°	3759	2526	2061
60°	3493	2267	1815
65°	3042	1899	1626
70°	2434	1493	1493
75°	1867	1415	1482
80°	1833	1635	1509
85°	1840	1809	1476

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3918 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	2.1
10°-20°	163.5	6.3
20°-30°	287.8	11.1
30°-40°	445.8	17.2
40°-50°	568.0	21.9
50°-60°	516.8	19.9
60°-70°	335.1	12.9
70°-80°	163.0	6.3
80°-90°	61.1	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°	504.6	19.5
0°-40°	950.5	36.6
0°-60°	2035.2	78.4
0°-90°	2594.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2594.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	554	554	554	554	554	
5°	556	557	555	556	558	53
15°	562	566	573	584	589	160
25°	584	596	619	640	649	272
35°	682	712	721	709	703	435
45°	888	833	721	658	641	682
55°	801	703	538	464	439	715
65°	478	423	298	258	255	473
75°	180	164	136	130	142	204
85°	60	65	59	54	48	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	553.9	553.9	553.9	553.9	553.9
2.5°	555.0	555.6	553.9	554.3	555.3
5°	556.0	556.6	555.3	556.3	558.3
7.5°	556.6	558.0	558.0	560.3	563.0
10°	558.3	559.7	561.4	566.1	569.4
12.5°	559.7	562.0	566.1	573.8	577.5
15°	562.0	565.7	572.8	583.6	589.0
17.5°	565.1	570.5	580.6	594.7	601.1
20°	569.4	576.5	590.7	607.5	615.3
22.5°	575.2	584.6	602.8	622.7	631.1
25°	583.6	595.7	618.6	640.5	648.6
27.5°	596.4	611.6	637.8	659.7	665.8
30°	615.3	634.1	662.4	677.6	681.0
32.5°	643.2	667.5	690.1	695.1	695.8
35°	682.3	712.0	721.1	709.3	702.9
37.5°	730.2	763.2	749.7	714.7	703.2
40°	781.1	808.0	764.5	710.3	694.8
42.5°	835.0	833.6	754.4	691.1	674.2
45°	887.9	833.3	721.1	658.1	641.2
47.5°	932.3	808.0	679.6	617.3	597.4
50°	936.0	775.0	636.5	567.8	547.5
52.5°	882.1	742.3	591.0	516.5	493.3
55°	801.3	702.9	538.4	464.0	439.4
57.5°	724.8	651.3	481.2	409.7	385.5
60°	649.0	584.9	421.2	357.2	337.3
62.5°	565.1	507.8	359.9	304.9	294.5
65°	477.8	423.2	298.2	258.4	255.4
67.5°	393.2	343.0	239.2	214.6	218.3
70°	309.3	270.9	189.7	184.0	189.7
72.5°	235.2	213.6	154.3	155.7	165.1
75°	179.6	164.4	136.1	129.7	142.5
77.5°	143.9	134.1	120.6	111.2	120.6
80°	118.3	115.9	105.5	94.3	97.4
82.5°	89.3	91.0	82.9	77.2	73.5
85°	59.6	65.0	58.6	53.6	47.8
87.5°	30.0	36.4	31.0	27.6	24.6
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	17.7	19.5	18.1	19.8	20.1	14.3	16.0	14.7	16.3	16.7
	3H	19.0	20.6	19.4	20.9	21.3	15.6	17.1	16.0	17.5	17.8
	4H	19.4	20.9	19.8	21.2	21.6	16.1	17.6	16.5	18.0	18.3
	6H	19.7	21.1	20.1	21.4	21.8	16.7	18.1	17.1	18.4	18.8
	8H	19.8	21.1	20.2	21.5	21.9	16.9	18.2	17.3	18.6	19.0
	12H	19.9	21.2	20.3	21.6	22.0	17.1	18.3	17.5	18.7	19.2
4H	2H	17.9	19.4	18.3	19.7	20.1	15.0	16.4	15.4	16.8	17.2
	3H	19.4	20.6	19.8	21.0	21.4	16.4	17.6	16.8	18.0	18.4
	4H	19.8	21.0	20.3	21.4	21.8	17.1	18.2	17.5	18.6	19.0
	6H	20.3	21.3	20.8	21.7	22.2	17.8	18.7	18.2	19.2	19.6
	8H	20.5	21.4	21.0	21.9	22.3	18.1	19.0	18.5	19.4	19.9
	12H	20.7	21.5	21.2	22.0	22.4	18.3	19.1	18.8	19.6	20.1
8H	4H	20.0	20.9	20.4	21.3	21.8	17.4	18.3	17.9	18.8	19.2
	6H	20.5	21.3	21.0	21.8	22.3	18.3	19.0	18.8	19.5	20.0
	8H	20.8	21.5	21.3	22.0	22.5	18.7	19.4	19.2	19.9	20.3
	12H	21.1	21.7	21.6	22.2	22.8	19.0	19.6	19.5	20.1	20.7
12H	4H	20.0	20.8	20.4	21.3	21.7	17.5	18.3	18.0	18.8	19.3
	6H	20.6	21.3	21.1	21.7	22.3	18.4	19.1	18.9	19.5	20.1
	8H	20.9	21.5	21.4	22.0	22.6	18.9	19.5	19.4	20.0	20.5















(END OF REPORT)