

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: P1584081

Luminaire Tested: 14CGSB-25-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584081
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

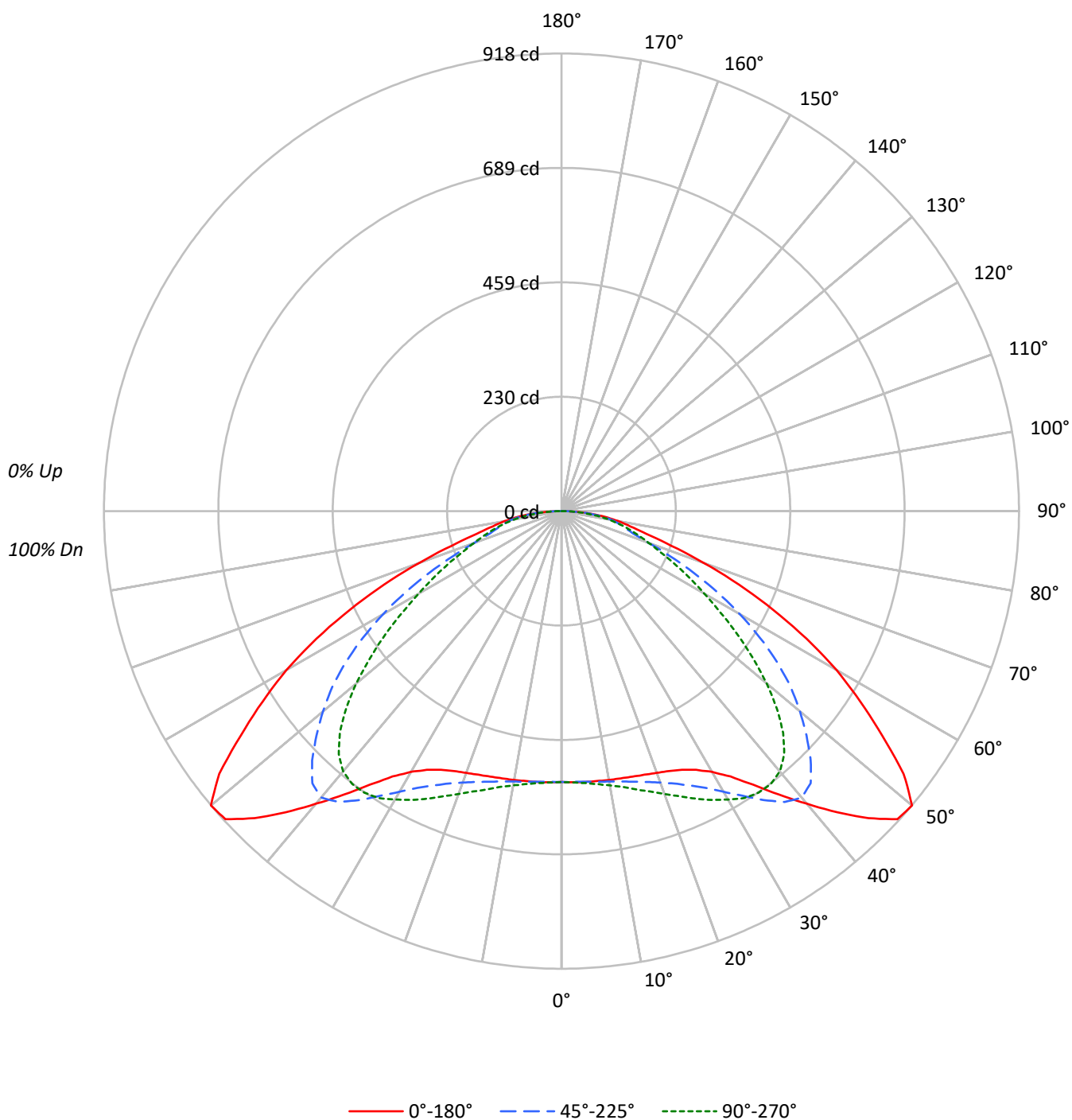
Lumens per Lamp: N/A
Luminaire Lumens: 2545.0 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1462	1462	1462
5°	1473	1471	1479
10°	1497	1505	1526
15°	1536	1565	1610
20°	1600	1659	1729
25°	1700	1802	1889
30°	1876	2019	2076
35°	2199	2324	2265
40°	2692	2635	2394
45°	3315	2692	2394
50°	3844	2614	2249
55°	3688	2478	2022
60°	3426	2224	1781
65°	2984	1862	1595
70°	2387	1464	1464
75°	1832	1388	1454
80°	1798	1604	1480
85°	1806	1775	1448

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	2.1
10°-20°	160.4	6.3
20°-30°	282.3	11.1
30°-40°	437.4	17.2
40°-50°	557.2	21.9
50°-60°	506.9	19.9
60°-70°	328.7	12.9
70°-80°	159.9	6.3
80°-90°	59.9	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°	495.0	19.5
0°-40°	932.4	36.6
0°-60°	1996.5	78.4
0°-90°	2545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	545	546	545	546	548	52
15°	551	555	562	572	578	157
25°	572	584	607	628	636	267
35°	669	698	707	696	690	426
45°	871	817	707	646	629	669
55°	786	690	528	455	431	702
65°	469	415	292	254	250	464
75°	176	161	134	127	140	200
85°	58	64	58	53	47	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	543.4	543.4	543.4	543.4	543.4
2.5°	544.4	545.0	543.4	543.7	544.7
5°	545.4	546.0	544.7	545.7	547.7
7.5°	546.0	547.4	547.4	549.7	552.3
10°	547.7	549.0	550.7	555.3	558.6
12.5°	549.0	551.3	555.3	562.9	566.5
15°	551.3	555.0	561.9	572.5	577.8
17.5°	554.3	559.6	569.5	583.4	589.7
20°	558.6	565.5	579.4	595.9	603.6
22.5°	564.2	573.5	591.3	610.8	619.1
25°	572.5	584.4	606.9	628.3	636.3
27.5°	585.0	599.9	625.7	647.2	653.1
30°	603.6	622.1	649.8	664.7	668.0
32.5°	631.0	654.8	676.9	681.9	682.5
35°	669.3	698.4	707.3	695.8	689.5
37.5°	716.3	748.7	735.4	701.1	689.8
40°	766.2	792.6	750.0	696.8	681.6
42.5°	819.1	817.7	740.1	677.9	661.4
45°	871.0	817.4	707.3	645.5	629.0
47.5°	914.6	792.6	666.7	605.5	586.0
50°	918.2	760.2	624.4	556.9	537.1
52.5°	865.3	728.2	579.8	506.7	483.9
55°	786.0	689.5	528.2	455.1	431.0
57.5°	711.0	638.9	472.0	401.9	378.1
60°	636.6	573.8	413.2	350.4	330.9
62.5°	554.3	498.1	353.0	299.1	288.9
65°	468.7	415.1	292.5	253.5	250.5
67.5°	385.7	336.5	234.7	210.5	214.2
70°	303.4	265.7	186.1	180.5	186.1
72.5°	230.7	209.6	151.4	152.7	162.0
75°	176.2	161.3	133.5	127.3	139.8
77.5°	141.1	131.6	118.3	109.1	118.3
80°	116.0	113.7	103.5	92.5	95.5
82.5°	87.6	89.2	81.3	75.7	72.1
85°	58.5	63.8	57.5	52.6	46.9
87.5°	29.4	35.7	30.4	27.1	24.1
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	19.4	18.0	19.7	20.0	14.2	16.0	14.6	16.3	16.6
	3H	19.0	20.5	19.3	20.8	21.2	15.5	17.1	15.9	17.4	17.8
	4H	19.3	20.8	19.7	21.1	21.5	16.1	17.6	16.5	17.9	18.3
	6H	19.6	21.0	20.0	21.3	21.7	16.6	18.0	17.0	18.4	18.7
	8H	19.7	21.1	20.2	21.4	21.8	16.8	18.2	17.3	18.5	18.9
	12H	19.9	21.1	20.3	21.5	21.9	17.0	18.3	17.5	18.7	19.1
4H	2H	17.8	19.3	18.2	19.7	20.0	14.9	16.4	15.3	16.7	17.1
	3H	19.3	20.5	19.7	20.9	21.3	16.3	17.6	16.7	18.0	18.4
	4H	19.8	20.9	20.2	21.3	21.7	17.0	18.1	17.4	18.5	19.0
	6H	20.2	21.2	20.7	21.6	22.1	17.7	18.7	18.1	19.1	19.6
	8H	20.4	21.4	20.9	21.8	22.3	18.0	18.9	18.5	19.4	19.8
	12H	20.6	21.4	21.1	21.9	22.4	18.2	19.1	18.7	19.5	20.0
8H	4H	19.9	20.8	20.3	21.2	21.7	17.4	18.3	17.8	18.7	19.2
	6H	20.5	21.2	21.0	21.7	22.2	18.2	19.0	18.7	19.5	19.9
	8H	20.8	21.4	21.3	22.0	22.4	18.6	19.3	19.1	19.8	20.3
	12H	21.0	21.7	21.6	22.1	22.7	19.0	19.6	19.5	20.1	20.6
12H	4H	19.9	20.7	20.4	21.2	21.7	17.4	18.3	17.9	18.7	19.2
	6H	20.5	21.2	21.0	21.7	22.2	18.3	19.0	18.8	19.5	20.0
	8H	20.9	21.5	21.4	22.0	22.5	18.8	19.4	19.3	19.9	20.5















(END OF REPORT)