

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: P1527258

Luminaire Tested: 22CGSB-25-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-25-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

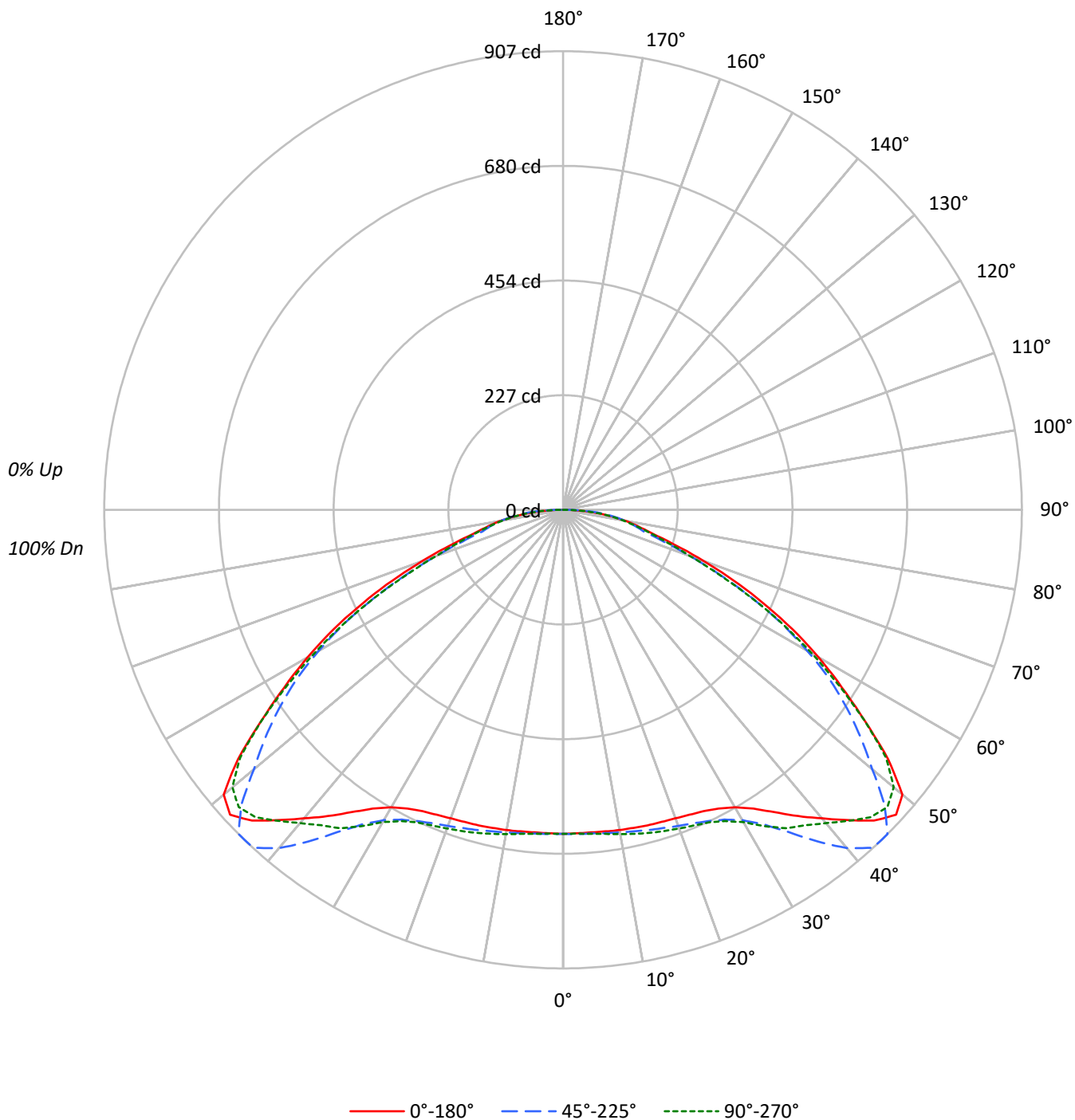
Lumens per Lamp: N/A
Luminaire Lumens: 3031.8 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1724	1724	1724
5°	1729	1736	1737
10°	1757	1770	1779
15°	1799	1827	1843
20°	1860	1905	1920
25°	1952	2017	2025
30°	2110	2201	2215
35°	2397	2555	2525
40°	2798	3068	2840
45°	3308	3452	3271
50°	3666	3340	3572
55°	3417	3216	3415
60°	3138	3002	3057
65°	2775	2618	2614
70°	2325	2095	2100
75°	1911	1714	1852
80°	1943	1934	1855
85°	1908	2297	1945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	2.0
10°-20°	185.8	6.1
20°-30°	314.2	10.4
30°-40°	483.1	15.9
40°-50°	671.4	22.1
50°-60°	632.0	20.8
60°-70°	417.4	13.8
70°-80°	193.9	6.4
80°-90°	72.6	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°	561.5	18.5
0°-40°	1044.6	34.5
0°-60°	2347.9	77.4
0°-90°	3031.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3031.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	640	642	642	644	643	61
15°	646	649	656	660	661	183
25°	657	666	679	683	682	306
35°	730	755	778	775	768	462
45°	869	900	907	885	860	665
55°	728	718	686	709	728	653
65°	436	432	411	418	411	433
75°	184	177	165	170	178	206
85°	62	71	74	72	63	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.8	640.8	640.8	640.8	640.8
2.5°	640.2	641.4	641.9	642.5	640.8
5°	640.2	641.9	642.5	643.7	643.1
7.5°	641.4	643.1	644.8	645.9	646.5
10°	643.1	644.8	647.7	651.1	651.1
12.5°	644.2	647.1	651.1	655.7	656.3
15°	645.9	648.8	655.7	660.3	661.4
17.5°	647.1	651.7	659.7	665.4	666.0
20°	649.4	654.5	665.4	670.6	670.6
22.5°	652.8	659.7	671.1	675.7	675.7
25°	657.4	666.0	679.2	683.2	682.0
27.5°	666.0	676.3	690.6	695.2	694.0
30°	679.2	692.9	708.4	714.1	712.9
32.5°	700.3	717.5	737.0	742.1	741.6
35°	729.6	755.3	777.7	774.8	768.5
37.5°	763.3	801.7	826.9	800.0	786.2
40°	796.6	848.7	873.3	829.8	808.6
42.5°	832.1	885.3	906.5	864.1	834.3
45°	869.3	900.2	907.1	885.3	859.5
47.5°	892.8	876.7	861.8	875.0	869.8
50°	875.6	821.7	797.7	822.9	853.2
52.5°	810.3	770.8	742.7	766.2	804.6
55°	728.4	718.1	685.5	708.9	727.8
57.5°	653.4	661.4	625.9	643.7	646.5
60°	583.0	588.7	557.8	572.6	568.1
62.5°	511.4	511.9	487.9	496.5	489.6
65°	435.8	431.8	411.2	417.5	410.6
67.5°	364.8	355.6	336.1	339.0	332.7
70°	295.5	284.6	266.3	270.3	266.9
72.5°	233.6	225.0	209.0	214.2	217.6
75°	183.8	176.9	164.9	170.1	178.1
77.5°	152.3	143.7	144.9	141.4	147.2
80°	125.4	120.3	124.8	121.4	119.7
82.5°	93.3	98.5	100.2	101.9	93.3
85°	61.8	71.0	74.4	72.2	63.0
87.5°	30.4	38.4	39.5	38.9	32.6
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	17.1	18.9	17.5	19.2	19.5	16.9	18.7	17.3	19.0	19.3
	3H	18.4	20.0	18.8	20.3	20.7	18.1	19.7	18.5	20.0	20.4
	4H	18.8	20.3	19.2	20.6	21.0	18.5	20.0	18.9	20.3	20.7
	6H	19.1	20.5	19.5	20.9	21.3	18.9	20.2	19.3	20.6	21.0
	8H	19.3	20.6	19.7	21.0	21.4	19.0	20.3	19.4	20.7	21.1
	12H	19.4	20.7	19.8	21.0	21.5	19.1	20.4	19.6	20.8	21.2
4H	2H	17.6	19.1	18.0	19.4	19.8	17.4	18.9	17.8	19.3	19.6
	3H	19.0	20.3	19.4	20.7	21.1	18.8	20.0	19.2	20.4	20.8
	4H	19.5	20.6	19.9	21.0	21.5	19.3	20.4	19.7	20.8	21.2
	6H	20.0	21.0	20.4	21.4	21.9	19.7	20.7	20.2	21.2	21.6
	8H	20.2	21.1	20.7	21.6	22.0	20.0	20.9	20.4	21.3	21.8
	12H	20.4	21.2	20.9	21.7	22.2	20.2	21.0	20.7	21.5	22.0
8H	4H	19.7	20.6	20.1	21.1	21.5	19.5	20.4	19.9	20.8	21.3
	6H	20.3	21.1	20.8	21.6	22.0	20.1	20.9	20.6	21.4	21.8
	8H	20.6	21.3	21.1	21.8	22.3	20.4	21.1	20.9	21.6	22.1
	12H	20.9	21.5	21.4	22.0	22.6	20.8	21.4	21.3	21.9	22.4
12H	4H	19.7	20.6	20.2	21.0	21.5	19.5	20.3	20.0	20.8	21.3
	6H	20.4	21.1	20.9	21.5	22.1	20.2	20.9	20.7	21.3	21.9
	8H	20.7	21.4	21.2	21.9	22.4	20.6	21.2	21.1	21.7	22.2













(END OF REPORT)