

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: P1527256

Luminaire Tested: 22CGSB-25-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527256
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

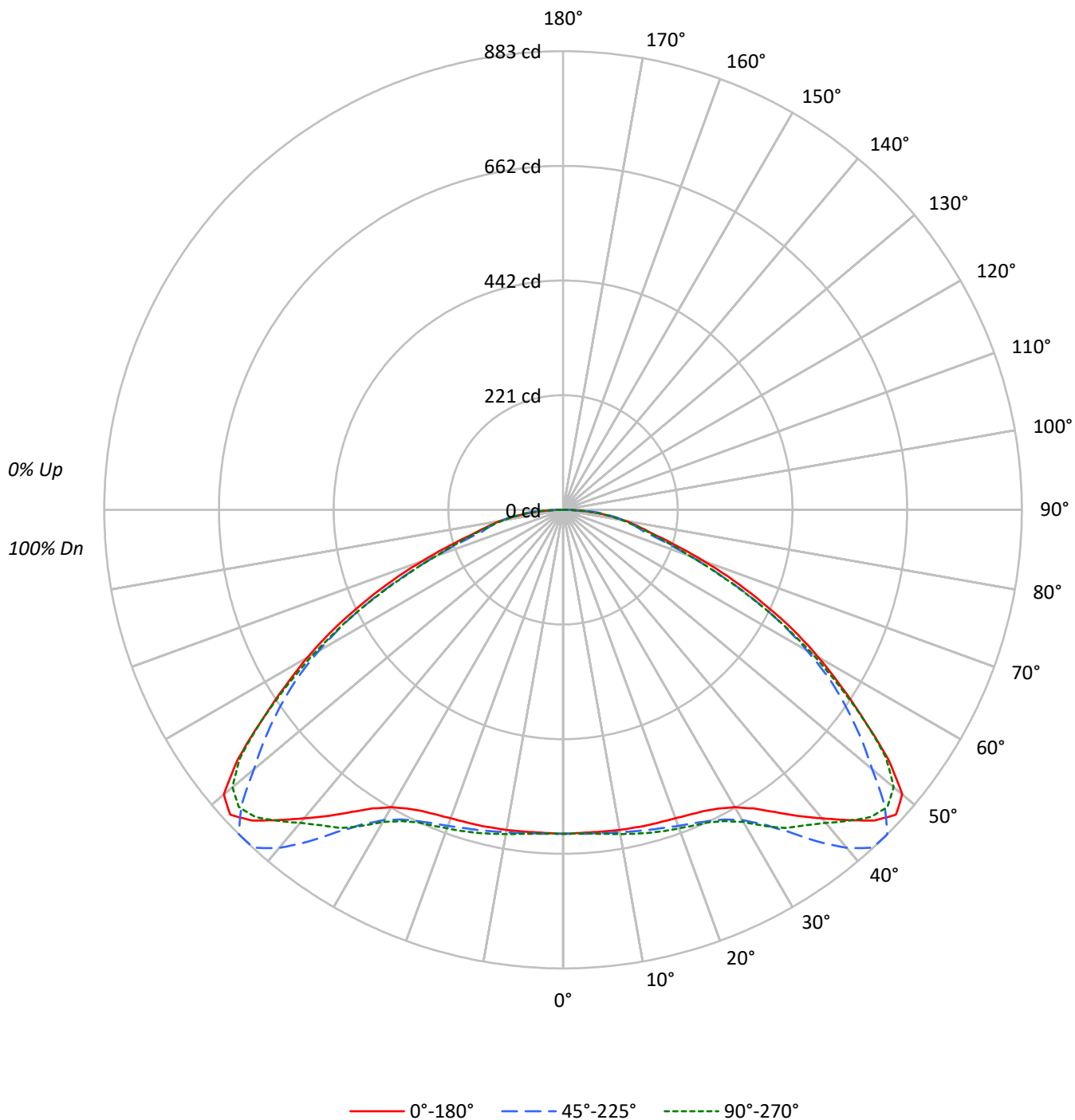
Lumens per Lamp: N/A
Luminaire Lumens: 2950.7 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	1678	1678	1678
5°	1683	1689	1691
10°	1710	1722	1732
15°	1751	1778	1793
20°	1810	1855	1869
25°	1900	1963	1971
30°	2054	2142	2156
35°	2332	2486	2457
40°	2723	2986	2765
45°	3220	3360	3184
50°	3568	3250	3476
55°	3326	3130	3324
60°	3054	2921	2976
65°	2700	2548	2544
70°	2263	2039	2043
75°	1860	1669	1802
80°	1892	1883	1805
85°	1859	2238	1893

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3568 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	2.0
10°-20°	180.8	6.1
20°-30°	305.8	10.4
30°-40°	470.2	15.9
40°-50°	653.4	22.1
50°-60°	615.1	20.8
60°-70°	406.2	13.8
70°-80°	188.8	6.4
80°-90°	70.7	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°	546.5	18.5
0°-40°	1016.6	34.5
0°-60°	2285.1	77.4
0°-90°	2950.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2950.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	623	625	625	626	626	60
15°	629	632	638	643	644	178
25°	640	648	661	665	664	298
35°	710	735	757	754	748	449
45°	846	876	883	862	837	647
55°	709	699	667	690	708	635
65°	424	420	400	406	400	421
75°	179	172	160	166	173	200
85°	60	69	72	70	61	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	623.7	623.7	623.7	623.7	623.7
2.5°	623.1	624.2	624.8	625.3	623.7
5°	623.1	624.8	625.3	626.4	625.9
7.5°	624.2	625.9	627.6	628.7	629.2
10°	625.9	627.6	630.3	633.7	633.7
12.5°	627.0	629.8	633.7	638.1	638.7
15°	628.7	631.5	638.1	642.6	643.7
17.5°	629.8	634.2	642.0	647.6	648.2
20°	632.0	637.0	647.6	652.6	652.6
22.5°	635.4	642.0	653.2	657.7	657.7
25°	639.8	648.2	661.0	664.9	663.8
27.5°	648.2	658.2	672.1	676.6	675.5
30°	661.0	674.4	689.4	695.0	693.9
32.5°	681.6	698.3	717.3	722.3	721.7
35°	710.0	735.1	756.9	754.1	747.9
37.5°	742.9	780.3	804.8	778.6	765.2
40°	775.2	826.0	849.9	807.6	787.0
42.5°	809.8	861.6	882.3	841.0	812.0
45°	846.0	876.1	882.8	861.6	836.6
47.5°	868.9	853.3	838.8	851.6	846.6
50°	852.2	799.8	776.4	800.9	830.4
52.5°	788.6	750.2	722.9	745.7	783.1
55°	708.9	698.9	667.1	690.0	708.4
57.5°	635.9	643.7	609.2	626.4	629.2
60°	567.4	572.9	542.8	557.3	552.9
62.5°	497.7	498.3	474.8	483.2	476.5
65°	424.1	420.2	400.2	406.3	399.6
67.5°	355.0	346.1	327.2	329.9	323.8
70°	287.6	277.0	259.2	263.1	259.7
72.5°	227.4	219.0	203.4	208.4	211.8
75°	178.9	172.2	160.5	165.5	173.3
77.5°	148.3	139.9	141.0	137.7	143.2
80°	122.1	117.0	121.5	118.2	116.5
82.5°	90.8	95.9	97.5	99.2	90.8
85°	60.2	69.1	72.5	70.2	61.3
87.5°	29.5	37.3	38.5	37.9	31.8
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	17.0	18.8	17.4	19.1	19.4	16.9	18.6	17.2	18.9	19.2
	3H	18.3	19.9	18.7	20.2	20.6	18.0	19.6	18.4	19.9	20.3
	4H	18.7	20.2	19.1	20.5	20.9	18.4	19.9	18.8	20.2	20.6
	6H	19.0	20.4	19.4	20.8	21.2	18.8	20.1	19.2	20.5	20.9
	8H	19.2	20.5	19.6	20.9	21.3	18.9	20.2	19.3	20.6	21.0
	12H	19.3	20.6	19.7	21.0	21.4	19.1	20.3	19.5	20.7	21.1
4H	2H	17.5	19.0	17.9	19.3	19.7	17.3	18.8	17.7	19.2	19.5
	3H	18.9	20.2	19.3	20.6	21.0	18.7	19.9	19.1	20.3	20.7
	4H	19.4	20.5	19.8	21.0	21.4	19.2	20.3	19.6	20.7	21.1
	6H	19.9	20.9	20.3	21.3	21.8	19.7	20.6	20.1	21.1	21.5
	8H	20.1	21.0	20.6	21.5	21.9	19.9	20.8	20.3	21.3	21.7
	12H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.6	21.4	21.9
8H	4H	19.6	20.5	20.1	21.0	21.4	19.4	20.3	19.8	20.7	21.2
	6H	20.2	21.0	20.7	21.5	21.9	20.0	20.8	20.5	21.3	21.7
	8H	20.5	21.2	21.0	21.7	22.2	20.3	21.0	20.8	21.5	22.0
	12H	20.8	21.4	21.3	21.9	22.5	20.7	21.3	21.2	21.8	22.3
12H	4H	19.6	20.5	20.1	20.9	21.4	19.4	20.2	19.9	20.7	21.2
	6H	20.3	21.0	20.8	21.4	22.0	20.1	20.8	20.6	21.2	21.8
	8H	20.6	21.3	21.2	21.8	22.3	20.5	21.1	21.0	21.6	22.1













(END OF REPORT)