

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: P1527334

Luminaire Tested: 24CGSB-35-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-35-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

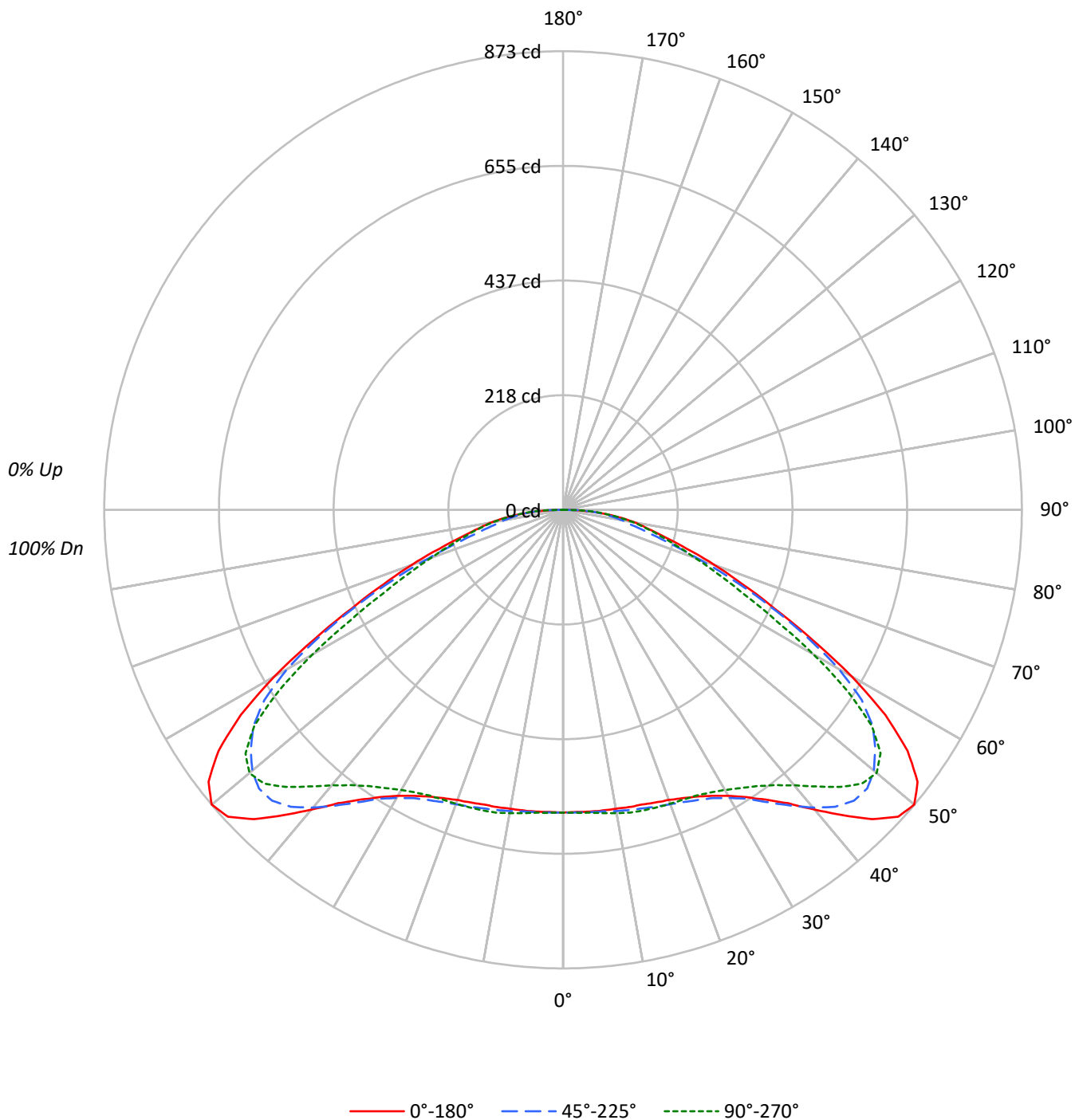
Lumens per Lamp: N/A
Luminaire Lumens: 2876.5 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	775	775	775
5°	779	780	782
10°	789	795	801
15°	809	819	825
20°	841	854	852
25°	894	904	891
30°	976	983	956
35°	1106	1116	1055
40°	1308	1299	1202
45°	1584	1490	1420
50°	1827	1616	1630
55°	1878	1688	1682
60°	1706	1631	1481
65°	1411	1386	1208
70°	1205	1085	1050
75°	1043	865	994
80°	1081	876	1046
85°	1091	1053	1161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.9
10°-20°	166.8	5.8
20°-30°	281.7	9.8
30°-40°	424.1	14.7
40°-50°	603.0	21.0
50°-60°	647.2	22.5
60°-70°	421.8	14.7
70°-80°	202.8	7.1
80°-90°	73.8	2.6
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°	503.8	17.5
0°-40°	927.9	32.3
0°-60°	2178.1	75.7
0°-90°	2876.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2876.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	577	577	578	580	579	55
15°	581	584	588	592	592	165
25°	602	608	609	604	600	280
35°	673	686	679	656	642	427
45°	833	812	783	762	746	639
55°	800	780	720	699	717	700
65°	443	440	435	388	380	449
75°	201	190	166	189	191	220
85°	71	66	68	70	75	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	576.2	576.2	576.2	576.2	576.2
2.5°	575.7	576.2	576.7	577.2	577.2
5°	576.7	577.2	577.7	579.7	578.7
7.5°	577.2	577.7	579.2	582.2	582.2
10°	577.7	579.2	582.2	585.2	586.2
12.5°	579.7	581.2	585.2	589.2	590.2
15°	580.7	583.7	588.2	591.7	592.2
17.5°	584.2	587.2	592.2	593.7	593.7
20°	587.7	591.7	596.2	596.2	595.2
22.5°	594.2	598.6	602.1	599.1	597.2
25°	602.1	607.6	609.1	603.6	600.1
27.5°	613.6	620.6	618.6	611.1	606.6
30°	628.5	637.5	633.0	622.1	615.6
32.5°	648.4	659.4	651.9	638.0	628.0
35°	673.4	686.3	679.3	656.4	642.0
37.5°	704.2	717.7	709.2	679.8	660.4
40°	744.6	751.5	739.6	707.7	684.3
42.5°	788.4	784.9	766.5	737.1	714.2
45°	832.7	812.3	782.9	762.5	746.1
47.5°	864.6	826.7	784.9	774.5	771.5
50°	872.6	823.8	772.0	768.0	778.9
52.5°	850.2	807.8	748.6	741.6	761.5
55°	800.4	779.9	719.7	698.8	717.2
57.5°	727.1	725.6	673.8	636.5	641.5
60°	634.0	640.0	606.1	553.3	550.3
62.5°	533.4	536.9	521.9	467.2	456.7
65°	443.3	439.8	435.3	388.5	379.5
67.5°	369.0	358.6	351.6	323.2	318.7
70°	306.3	289.9	275.9	271.4	266.9
72.5°	248.0	236.1	213.7	226.1	225.6
75°	200.7	189.8	166.3	189.3	191.2
77.5°	164.4	156.9	134.5	155.4	161.9
80°	139.5	124.0	113.1	126.5	135.0
82.5°	106.6	94.6	92.1	97.6	105.6
85°	70.7	66.2	68.2	70.2	75.2
87.5°	35.9	38.3	41.3	44.8	47.3
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	15.5	17.3	15.9	17.6	17.9	14.6	16.4	15.0	16.7	17.0
	3H	16.6	18.2	17.0	18.6	18.9	15.7	17.4	16.1	17.7	18.0
	4H	17.0	18.5	17.4	18.9	19.3	16.2	17.7	16.6	18.1	18.4
	6H	17.4	18.8	17.8	19.1	19.5	16.6	18.1	17.0	18.4	18.8
	8H	17.5	18.9	17.9	19.3	19.7	16.8	18.2	17.3	18.6	19.0
	12H	17.7	19.0	18.1	19.3	19.8	17.0	18.3	17.4	18.7	19.1
4H	2H	15.9	17.4	16.3	17.8	18.2	15.2	16.7	15.6	17.0	17.4
	3H	17.2	18.5	17.6	18.9	19.3	16.5	17.8	16.9	18.2	18.6
	4H	17.7	18.9	18.1	19.3	19.7	17.1	18.2	17.5	18.6	19.1
	6H	18.2	19.2	18.6	19.7	20.1	17.6	18.7	18.1	19.1	19.5
	8H	18.4	19.4	18.9	19.8	20.3	17.9	18.9	18.4	19.3	19.8
	12H	18.6	19.5	19.1	19.9	20.4	18.1	19.0	18.6	19.5	20.0
8H	4H	17.9	18.8	18.3	19.3	19.7	17.3	18.2	17.7	18.7	19.1
	6H	18.5	19.3	19.0	19.8	20.2	18.0	18.8	18.5	19.3	19.7
	8H	18.8	19.5	19.3	20.0	20.5	18.3	19.1	18.8	19.6	20.0
	12H	19.1	19.7	19.6	20.2	20.7	18.7	19.3	19.2	19.8	20.4
12H	4H	17.9	18.8	18.4	19.2	19.7	17.3	18.2	17.8	18.6	19.1
	6H	18.5	19.3	19.0	19.7	20.2	18.0	18.8	18.6	19.2	19.8
	8H	18.9	19.5	19.4	20.0	20.6	18.5	19.1	19.0	19.6	20.1















(END OF REPORT)