

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: P1527336

Luminaire Tested: 24CGSB-35-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527336
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

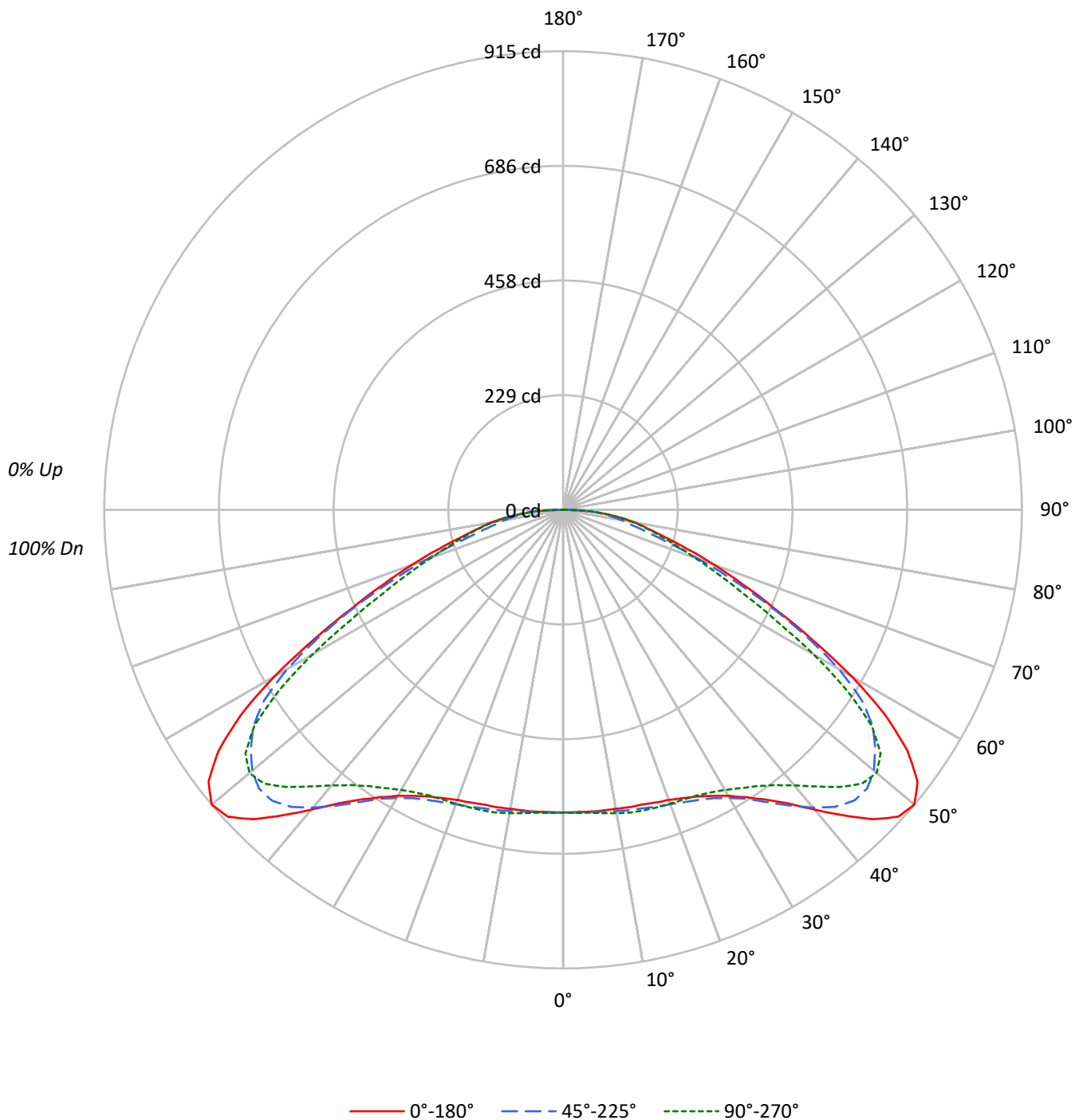
Lumens per Lamp: N/A
Luminaire Lumens: 3015.1 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	813	813	813
5°	816	818	819
10°	827	834	839
15°	848	859	865
20°	882	895	893
25°	937	948	934
30°	1024	1031	1002
35°	1159	1170	1105
40°	1371	1362	1260
45°	1661	1562	1488
50°	1914	1694	1709
55°	1968	1770	1763
60°	1788	1710	1552
65°	1479	1453	1266
70°	1263	1138	1101
75°	1094	907	1042
80°	1133	918	1096
85°	1144	1104	1216

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.9
10°-20°	174.8	5.8
20°-30°	295.3	9.8
30°-40°	444.5	14.7
40°-50°	632.1	21.0
50°-60°	678.4	22.5
60°-70°	442.1	14.7
70°-80°	212.6	7.1
80°-90°	77.4	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°	528.1	17.5
0°-40°	972.6	32.3
0°-60°	2283.1	75.7
0°-90°	3015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3015.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	604	605	606	608	607	58
15°	609	612	616	620	621	173
25°	631	637	638	633	629	294
35°	706	719	712	688	673	448
45°	873	852	821	799	782	670
55°	839	818	754	732	752	734
65°	465	461	456	407	398	470
75°	210	199	174	198	200	231
85°	74	69	72	74	79	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	604.0	604.0	604.0	604.0	604.0
2.5°	603.5	604.0	604.5	605.0	605.0
5°	604.5	605.0	605.6	607.7	606.6
7.5°	605.0	605.6	607.1	610.3	610.3
10°	605.6	607.1	610.3	613.4	614.4
12.5°	607.7	609.2	613.4	617.6	618.6
15°	608.7	611.8	616.5	620.2	620.7
17.5°	612.4	615.5	620.7	622.3	622.3
20°	616.0	620.2	624.9	624.9	623.8
22.5°	622.8	627.5	631.1	628.0	625.9
25°	631.1	636.9	638.5	632.7	629.1
27.5°	643.2	650.5	648.4	640.5	635.8
30°	658.8	668.2	663.5	652.0	645.2
32.5°	679.7	691.2	683.4	668.7	658.3
35°	705.8	719.4	712.1	688.1	672.9
37.5°	738.2	752.3	743.4	712.6	692.2
40°	780.5	787.8	775.2	741.8	717.3
42.5°	826.4	822.7	803.4	772.6	748.6
45°	872.9	851.5	820.7	799.2	782.0
47.5°	906.3	866.6	822.7	811.8	808.6
50°	914.6	863.5	809.2	805.0	816.5
52.5°	891.1	846.8	784.6	777.3	798.2
55°	838.9	817.5	754.4	732.4	751.7
57.5°	762.2	760.6	706.3	667.2	672.4
60°	664.6	670.8	635.3	580.0	576.9
62.5°	559.1	562.8	547.1	489.7	478.7
65°	464.6	461.0	456.3	407.2	397.8
67.5°	386.8	375.9	368.6	338.8	334.1
70°	321.1	303.8	289.2	284.5	279.8
72.5°	260.0	247.4	224.0	237.0	236.5
75°	210.4	198.9	174.4	198.4	200.5
77.5°	172.3	164.4	141.0	162.9	169.7
80°	146.2	130.0	118.5	132.6	141.5
82.5°	111.7	99.2	96.6	102.3	110.7
85°	74.1	69.4	71.5	73.6	78.8
87.5°	37.6	40.2	43.3	47.0	49.6
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	15.7	17.5	16.0	17.8	18.1	14.8	16.5	15.1	16.9	17.2
	3H	16.8	18.4	17.2	18.7	19.1	15.9	17.5	16.3	17.8	18.2
	4H	17.2	18.7	17.6	19.0	19.4	16.4	17.9	16.8	18.2	18.6
	6H	17.5	18.9	17.9	19.3	19.7	16.8	18.2	17.2	18.6	19.0
	8H	17.7	19.0	18.1	19.4	19.8	17.0	18.4	17.4	18.7	19.1
	12H	17.8	19.1	18.2	19.5	19.9	17.2	18.5	17.6	18.9	19.3
4H	2H	16.1	17.6	16.5	18.0	18.3	15.3	16.9	15.7	17.2	17.6
	3H	17.4	18.6	17.8	19.0	19.4	16.6	17.9	17.1	18.3	18.7
	4H	17.9	19.0	18.3	19.4	19.9	17.2	18.4	17.7	18.8	19.2
	6H	18.4	19.4	18.8	19.8	20.3	17.8	18.8	18.3	19.3	19.7
	8H	18.6	19.5	19.0	20.0	20.4	18.1	19.0	18.5	19.5	19.9
	12H	18.8	19.6	19.3	20.1	20.6	18.3	19.2	18.8	19.6	20.1
8H	4H	18.0	19.0	18.5	19.4	19.9	17.4	18.4	17.9	18.8	19.3
	6H	18.6	19.4	19.1	19.9	20.4	18.1	18.9	18.6	19.4	19.9
	8H	18.9	19.6	19.4	20.2	20.6	18.5	19.2	19.0	19.7	20.2
	12H	19.2	19.9	19.7	20.3	20.9	18.9	19.5	19.4	20.0	20.5
12H	4H	18.1	18.9	18.5	19.4	19.9	17.5	18.3	18.0	18.8	19.3
	6H	18.7	19.4	19.2	19.9	20.4	18.2	18.9	18.7	19.4	19.9
	8H	19.0	19.7	19.5	20.2	20.7	18.6	19.3	19.1	19.7	20.3















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