

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: P1527270

Luminaire Tested: 22CGSB-35-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527270
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-35-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

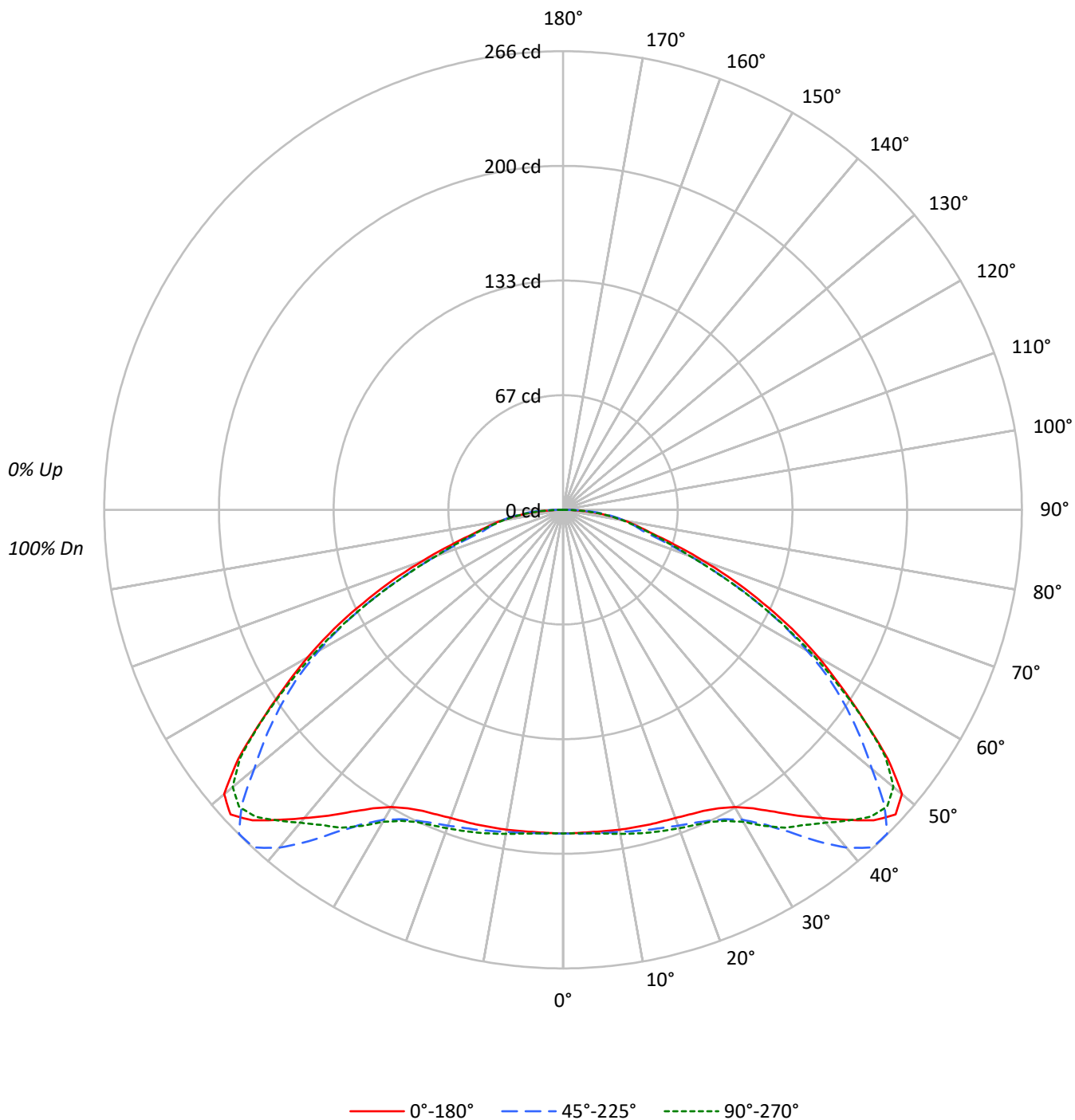
Lumens per Lamp: N/A
Luminaire Lumens: 888.2 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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°	505	505	505
5°	507	508	509
10°	515	518	521
15°	527	535	540
20°	545	558	563
25°	572	591	593
30°	618	645	649
35°	702	748	739
40°	820	899	832
45°	969	1011	958
50°	1074	978	1047
55°	1001	942	1000
60°	919	879	896
65°	813	767	766
70°	681	614	615
75°	560	502	543
80°	569	567	544
85°	559	673	571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 1074 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	2.0
10°-20°	54.4	6.1
20°-30°	92.0	10.4
30°-40°	141.5	15.9
40°-50°	196.7	22.1
50°-60°	185.2	20.8
60°-70°	122.3	13.8
70°-80°	56.8	6.4
80°-90°	21.3	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°	164.5	18.5
0°-40°	306.0	34.5
0°-60°	687.9	77.4
0°-90°	888.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	188	188	188	188	188	
5°	188	188	188	189	188	18
15°	189	190	192	193	194	54
25°	193	195	199	200	200	90
35°	214	221	228	227	225	135
45°	255	264	266	259	252	195
55°	213	210	201	208	213	191
65°	128	126	120	122	120	127
75°	54	52	48	50	52	60
85°	18	21	22	21	18	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	187.7	187.7	187.7	187.7	187.7
2.5°	187.6	187.9	188.1	188.2	187.7
5°	187.6	188.1	188.2	188.6	188.4
7.5°	187.9	188.4	188.9	189.2	189.4
10°	188.4	188.9	189.7	190.8	190.8
12.5°	188.7	189.6	190.8	192.1	192.3
15°	189.2	190.1	192.1	193.4	193.8
17.5°	189.6	190.9	193.3	194.9	195.1
20°	190.2	191.8	194.9	196.5	196.5
22.5°	191.3	193.3	196.6	198.0	198.0
25°	192.6	195.1	199.0	200.1	199.8
27.5°	195.1	198.1	202.3	203.7	203.3
30°	199.0	203.0	207.5	209.2	208.9
32.5°	205.2	210.2	215.9	217.4	217.3
35°	213.7	221.3	227.8	227.0	225.1
37.5°	223.6	234.9	242.3	234.4	230.3
40°	233.4	248.6	255.8	243.1	236.9
42.5°	243.8	259.4	265.6	253.2	244.4
45°	254.7	263.7	265.7	259.4	251.8
47.5°	261.5	256.9	252.5	256.3	254.8
50°	256.5	240.7	233.7	241.1	250.0
52.5°	237.4	225.8	217.6	224.5	235.7
55°	213.4	210.4	200.8	207.7	213.2
57.5°	191.4	193.8	183.4	188.6	189.4
60°	170.8	172.5	163.4	167.8	166.4
62.5°	149.8	150.0	142.9	145.5	143.4
65°	127.7	126.5	120.5	122.3	120.3
67.5°	106.9	104.2	98.5	99.3	97.5
70°	86.6	83.4	78.0	79.2	78.2
72.5°	68.4	65.9	61.2	62.7	63.8
75°	53.9	51.8	48.3	49.8	52.2
77.5°	44.6	42.1	42.4	41.4	43.1
80°	36.7	35.2	36.6	35.6	35.1
82.5°	27.3	28.9	29.4	29.9	27.3
85°	18.1	20.8	21.8	21.1	18.5
87.5°	8.9	11.2	11.6	11.4	9.6
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	12.9	14.6	13.2	14.9	15.2	12.7	14.4	13.0	14.8	15.1
	3H	14.1	15.7	14.5	16.0	16.4	13.8	15.4	14.2	15.8	16.1
	4H	14.5	16.0	14.9	16.4	16.7	14.2	15.7	14.6	16.1	16.5
	6H	14.9	16.3	15.3	16.6	17.0	14.6	16.0	15.0	16.3	16.7
	8H	15.0	16.3	15.4	16.7	17.1	14.7	16.1	15.2	16.5	16.9
	12H	15.1	16.4	15.6	16.8	17.2	14.9	16.2	15.3	16.5	17.0
4H	2H	13.3	14.8	13.7	15.1	15.5	13.2	14.7	13.6	15.0	15.4
	3H	14.7	16.0	15.2	16.4	16.8	14.5	15.8	14.9	16.2	16.5
	4H	15.2	16.4	15.7	16.8	17.2	15.0	16.1	15.4	16.5	17.0
	6H	15.7	16.7	16.2	17.1	17.6	15.5	16.5	15.9	16.9	17.4
	8H	15.9	16.9	16.4	17.3	17.8	15.7	16.6	16.2	17.1	17.5
	12H	16.1	17.0	16.6	17.4	17.9	15.9	16.8	16.4	17.2	17.7
8H	4H	15.4	16.4	15.9	16.8	17.3	15.2	16.1	15.7	16.6	17.0
	6H	16.0	16.8	16.5	17.3	17.8	15.8	16.6	16.3	17.1	17.6
	8H	16.3	17.0	16.8	17.5	18.0	16.2	16.9	16.7	17.4	17.9
	12H	16.6	17.3	17.1	17.8	18.3	16.5	17.1	17.0	17.6	18.2
12H	4H	15.5	16.3	15.9	16.8	17.2	15.2	16.1	15.7	16.5	17.0
	6H	16.1	16.8	16.6	17.3	17.8	15.9	16.6	16.4	17.1	17.6
	8H	16.5	17.1	17.0	17.6	18.1	16.3	16.9	16.8	17.4	18.0













(END OF REPORT)