

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: P1527269

Luminaire Tested: 22CGSB-35-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527269
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

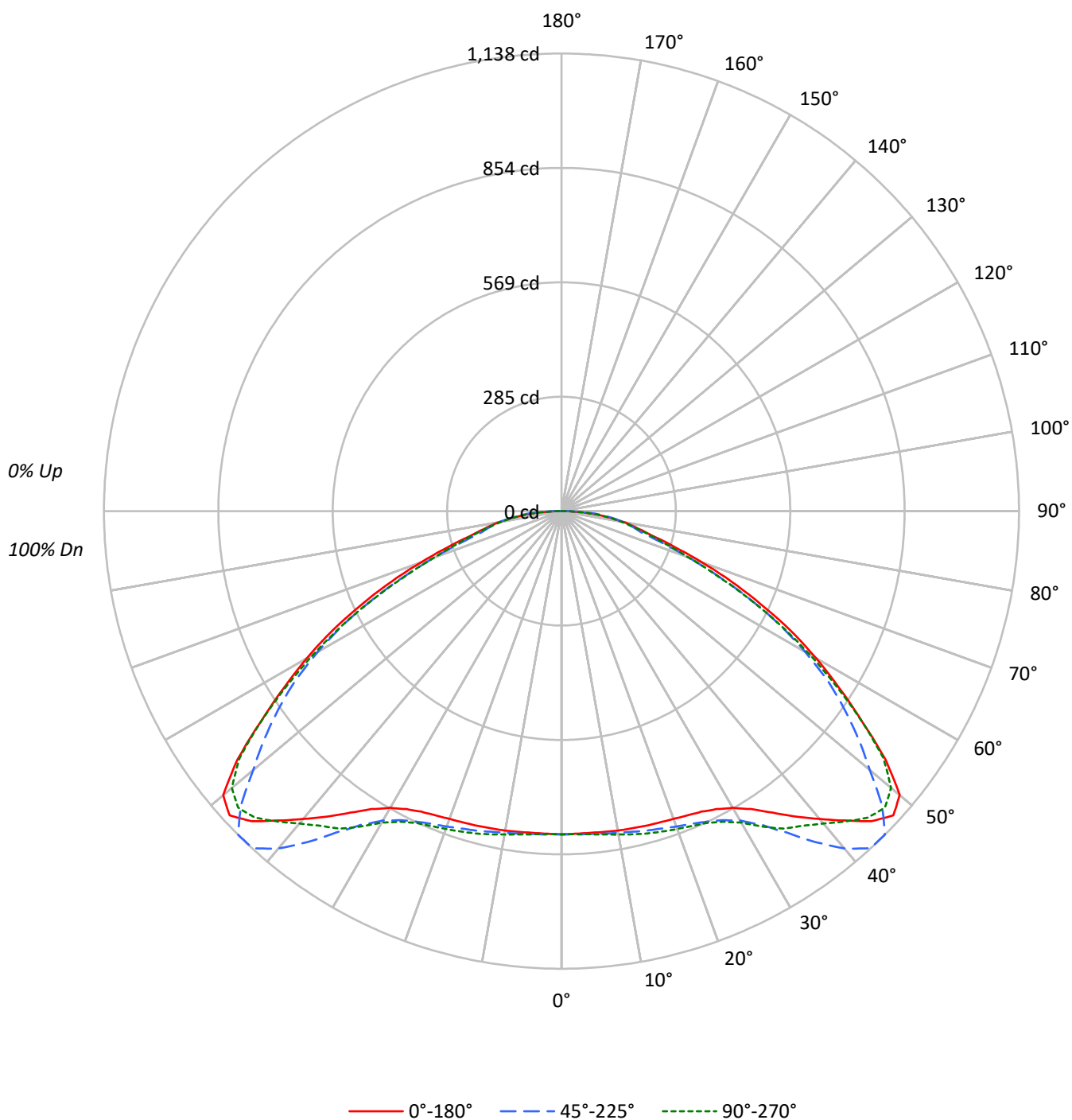
Lumens per Lamp: N/A
Luminaire Lumens: 3802.5 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2163	2163	2163
5°	2169	2177	2179
10°	2204	2220	2231
15°	2257	2291	2311
20°	2332	2390	2408
25°	2448	2529	2540
30°	2647	2761	2779
35°	3006	3204	3166
40°	3509	3848	3562
45°	4149	4330	4102
50°	4598	4189	4480
55°	4286	4033	4283
60°	3935	3765	3835
65°	3480	3284	3279
70°	2916	2628	2633
75°	2397	2150	2323
80°	2438	2427	2326
85°	2396	2884	2439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	2.0
10°-20°	233.1	6.1
20°-30°	394.0	10.4
30°-40°	605.9	15.9
40°-50°	842.0	22.1
50°-60°	792.6	20.8
60°-70°	523.5	13.8
70°-80°	243.2	6.4
80°-90°	91.0	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°	704.2	18.5
0°-40°	1310.1	34.5
0°-60°	2944.7	77.4
0°-90°	3802.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3802.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	803	805	806	807	807	77
15°	810	814	822	828	830	230
25°	824	835	852	857	855	384
35°	915	947	975	972	964	579
45°	1090	1129	1138	1110	1078	834
55°	914	901	860	889	913	819
65°	547	542	516	524	515	543
75°	230	222	207	213	223	258
85°	78	89	93	90	79	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	803.7	803.7	803.7	803.7	803.7
2.5°	803.0	804.4	805.1	805.8	803.7
5°	803.0	805.1	805.8	807.3	806.6
7.5°	804.4	806.6	808.7	810.1	810.9
10°	806.6	808.7	812.3	816.6	816.6
12.5°	808.0	811.6	816.6	822.4	823.1
15°	810.1	813.7	822.4	828.1	829.5
17.5°	811.6	817.3	827.4	834.6	835.3
20°	814.5	820.9	834.6	841.0	841.0
22.5°	818.8	827.4	841.7	847.5	847.5
25°	824.5	835.3	851.8	856.8	855.4
27.5°	835.3	848.2	866.2	871.9	870.5
30°	851.8	869.0	888.4	895.6	894.2
32.5°	878.4	899.9	924.3	930.8	930.1
35°	915.0	947.3	975.3	971.7	963.8
37.5°	957.4	1005.5	1037.1	1003.3	986.1
40°	999.0	1064.4	1095.3	1040.7	1014.1
42.5°	1043.6	1110.4	1136.9	1083.8	1046.4
45°	1090.3	1129.0	1137.7	1110.4	1078.0
47.5°	1119.7	1099.6	1080.9	1097.4	1091.0
50°	1098.2	1030.6	1000.5	1032.1	1070.1
52.5°	1016.3	966.7	931.5	961.0	1009.1
55°	913.6	900.6	859.7	889.2	912.9
57.5°	819.5	829.5	785.0	807.3	810.9
60°	731.1	738.3	699.5	718.2	712.5
62.5°	641.4	642.1	611.9	622.7	614.1
65°	546.6	541.5	515.7	523.6	515.0
67.5°	457.5	446.0	421.6	425.2	417.3
70°	370.6	357.0	334.0	339.0	334.7
72.5°	293.0	282.3	262.1	268.6	272.9
75°	230.5	221.9	206.8	213.3	223.4
77.5°	191.0	180.3	181.7	177.4	184.6
80°	157.3	150.8	156.6	152.3	150.1
82.5°	117.1	123.5	125.7	127.8	117.1
85°	77.6	89.1	93.4	90.5	79.0
87.5°	38.1	48.1	49.6	48.8	40.9
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	17.9	19.7	18.3	20.0	20.3	17.7	19.5	18.1	19.8	20.1
	3H	19.2	20.8	19.6	21.1	21.4	18.9	20.5	19.3	20.8	21.2
	4H	19.6	21.1	20.0	21.4	21.8	19.3	20.8	19.7	21.1	21.5
	6H	19.9	21.3	20.3	21.7	22.1	19.6	21.0	20.0	21.4	21.8
	8H	20.1	21.4	20.5	21.8	22.2	19.8	21.1	20.2	21.5	21.9
	12H	20.2	21.5	20.6	21.8	22.3	19.9	21.2	20.4	21.6	22.0
4H	2H	18.4	19.8	18.7	20.2	20.6	18.2	19.7	18.6	20.1	20.4
	3H	19.8	21.0	20.2	21.4	21.8	19.6	20.8	20.0	21.2	21.6
	4H	20.3	21.4	20.7	21.8	22.3	20.0	21.2	20.5	21.6	22.0
	6H	20.8	21.8	21.2	22.2	22.7	20.5	21.5	21.0	22.0	22.4
	8H	21.0	21.9	21.4	22.4	22.8	20.8	21.7	21.2	22.1	22.6
	12H	21.2	22.0	21.6	22.5	23.0	21.0	21.8	21.4	22.3	22.8
8H	4H	20.5	21.4	20.9	21.8	22.3	20.2	21.2	20.7	21.6	22.1
	6H	21.1	21.9	21.6	22.3	22.8	20.9	21.7	21.4	22.1	22.6
	8H	21.4	22.1	21.9	22.6	23.1	21.2	21.9	21.7	22.4	22.9
	12H	21.7	22.3	22.2	22.8	23.4	21.5	22.2	22.0	22.7	23.2
12H	4H	20.5	21.3	21.0	21.8	22.3	20.3	21.1	20.8	21.6	22.1
	6H	21.2	21.9	21.7	22.3	22.9	21.0	21.7	21.5	22.1	22.7
	8H	21.5	22.2	22.0	22.6	23.2	21.4	22.0	21.9	22.5	23.0















(END OF REPORT)