

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: P1584096

Luminaire Tested: 14CGSB-35-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-35-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

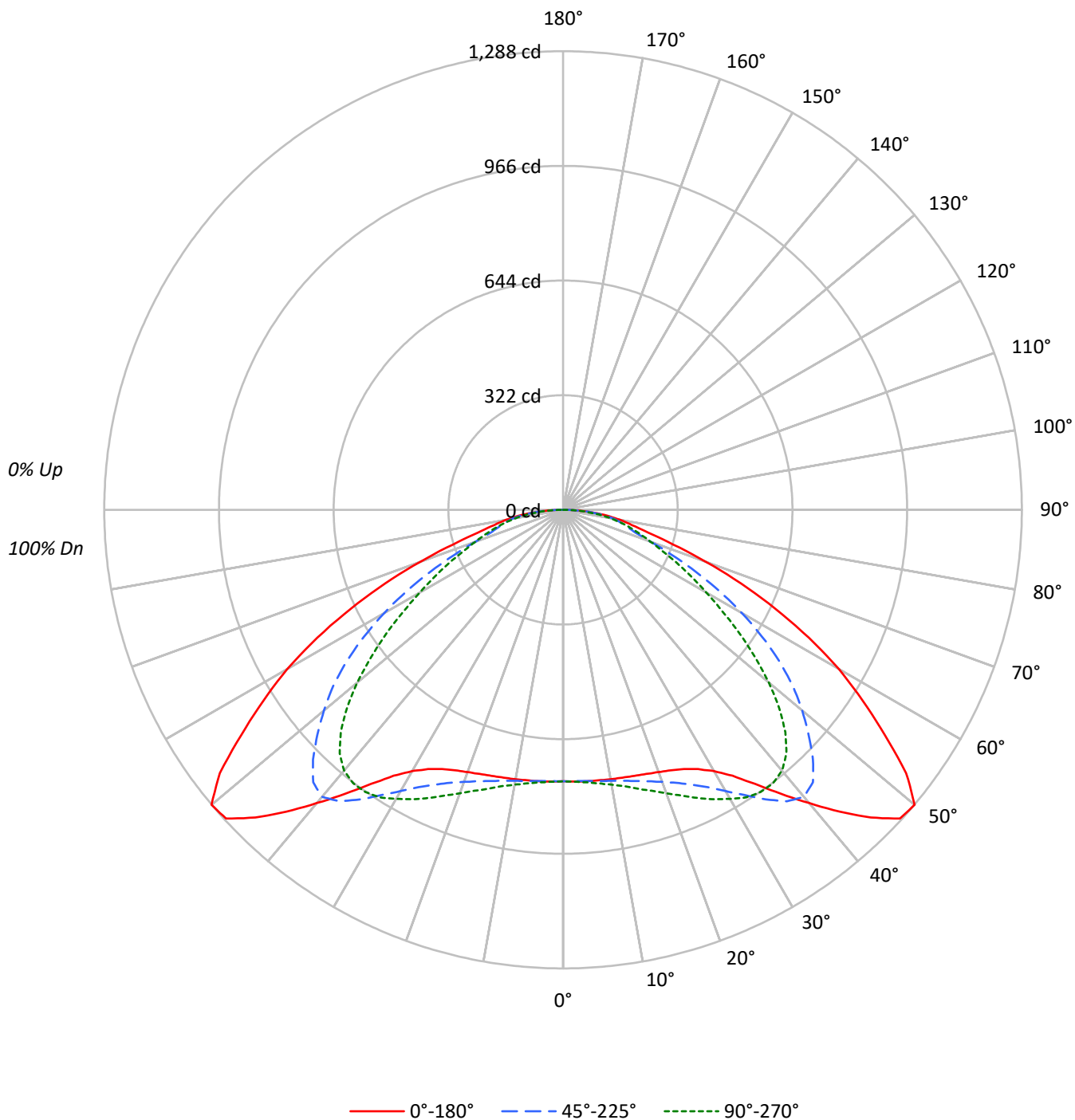
Lumens per Lamp: N/A
Luminaire Lumens: 3570.8 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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				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	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70		68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49		47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42		39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36		34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31		29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27		25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24		22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22		20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2052	2052	2052
5°	2067	2065	2076
10°	2100	2111	2141
15°	2155	2196	2258
20°	2244	2328	2425
25°	2385	2528	2651
30°	2631	2833	2912
35°	3085	3260	3178
40°	3776	3696	3359
45°	4650	3777	3358
50°	5393	3667	3155
55°	5174	3477	2837
60°	4807	3120	2498
65°	4187	2613	2238
70°	3349	2054	2054
75°	2570	1948	2040
80°	2523	2250	2077
85°	2535	2492	2035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	2.1
10°-20°	225.1	6.3
20°-30°	396.1	11.1
30°-40°	613.6	17.2
40°-50°	781.7	21.9
50°-60°	711.2	19.9
60°-70°	461.2	12.9
70°-80°	224.3	6.3
80°-90°	84.0	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°	694.5	19.5
0°-40°	1308.2	36.6
0°-60°	2801.1	78.4
0°-90°	3570.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3570.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	765	766	764	766	768	73
15°	774	779	788	803	811	220
25°	803	820	851	882	893	375
35°	939	980	992	976	967	598
45°	1222	1147	992	906	882	939
55°	1103	967	741	639	605	985
65°	658	582	410	356	352	651
75°	247	226	187	178	196	280
85°	82	90	81	74	66	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	762.4	762.4	762.4	762.4	762.4
2.5°	763.8	764.7	762.4	762.9	764.3
5°	765.2	766.1	764.3	765.7	768.4
7.5°	766.1	768.0	768.0	771.2	774.9
10°	768.4	770.3	772.6	779.1	783.7
12.5°	770.3	773.5	779.1	789.8	794.9
15°	773.5	778.6	788.4	803.2	810.6
17.5°	777.7	785.1	799.0	818.5	827.3
20°	783.7	793.5	813.0	836.1	846.8
22.5°	791.6	804.6	829.6	857.0	868.6
25°	803.2	819.9	851.4	881.6	892.7
27.5°	820.8	841.7	877.9	908.0	916.4
30°	846.8	872.8	911.7	932.6	937.2
32.5°	885.3	918.7	949.8	956.7	957.6
35°	939.1	979.9	992.4	976.2	967.4
37.5°	1004.9	1050.4	1031.8	983.6	967.8
40°	1075.0	1112.1	1052.2	977.6	956.3
42.5°	1149.2	1147.3	1038.3	951.2	928.0
45°	1222.0	1146.9	992.4	905.7	882.5
47.5°	1283.2	1112.1	935.4	849.6	822.2
50°	1288.3	1066.6	876.0	781.4	753.6
52.5°	1214.1	1021.6	813.4	710.9	678.9
55°	1102.8	967.4	741.1	638.6	604.7
57.5°	997.5	896.4	662.2	563.9	530.5
60°	893.2	805.1	579.7	491.6	464.2
62.5°	777.7	698.9	495.3	419.7	405.3
65°	657.6	582.5	410.4	355.7	351.5
67.5°	541.2	472.1	329.3	295.4	300.5
70°	425.7	372.9	261.1	253.2	261.1
72.5°	323.7	294.0	212.4	214.3	227.2
75°	247.2	226.3	187.4	178.5	196.2
77.5°	198.0	184.6	166.0	153.0	166.0
80°	162.8	159.5	145.2	129.9	134.0
82.5°	122.9	125.2	114.1	106.2	101.1
85°	82.1	89.5	80.7	73.7	65.9
87.5°	41.3	50.1	42.7	38.0	33.9
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	18.9	20.6	19.2	20.9	21.2	15.4	17.1	15.8	17.4	17.8
	3H	20.1	21.7	20.5	22.0	22.4	16.7	18.3	17.1	18.6	18.9
	4H	20.5	22.0	20.9	22.3	22.7	17.3	18.7	17.7	19.1	19.5
	6H	20.8	22.2	21.2	22.5	22.9	17.8	19.2	18.2	19.5	19.9
	8H	20.9	22.2	21.3	22.6	23.0	18.0	19.3	18.4	19.7	20.1
	12H	21.0	22.3	21.5	22.7	23.1	18.2	19.5	18.6	19.8	20.3
4H	2H	19.0	20.5	19.4	20.8	21.2	16.1	17.5	16.5	17.9	18.3
	3H	20.5	21.7	20.9	22.1	22.5	17.5	18.8	17.9	19.1	19.5
	4H	21.0	22.1	21.4	22.5	22.9	18.2	19.3	18.6	19.7	20.1
	6H	21.4	22.4	21.9	22.8	23.3	18.9	19.9	19.3	20.3	20.7
	8H	21.6	22.5	22.1	23.0	23.4	19.2	20.1	19.6	20.5	21.0
	12H	21.8	22.6	22.3	23.1	23.6	19.4	20.2	19.9	20.7	21.2
8H	4H	21.1	22.0	21.5	22.4	22.9	18.5	19.4	19.0	19.9	20.4
	6H	21.6	22.4	22.1	22.9	23.4	19.4	20.1	19.9	20.6	21.1
	8H	21.9	22.6	22.4	23.1	23.6	19.8	20.5	20.3	21.0	21.5
	12H	22.2	22.8	22.7	23.3	23.9	20.1	20.8	20.6	21.2	21.8
12H	4H	21.1	21.9	21.6	22.4	22.8	18.6	19.4	19.1	19.9	20.4
	6H	21.7	22.4	22.2	22.8	23.4	19.5	20.2	20.0	20.7	21.2
	8H	22.0	22.6	22.5	23.1	23.7	20.0	20.6	20.5	21.1	21.6













(END OF REPORT)