

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: P1584102

Luminaire Tested: 14CGSB-40-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584102
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-40-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

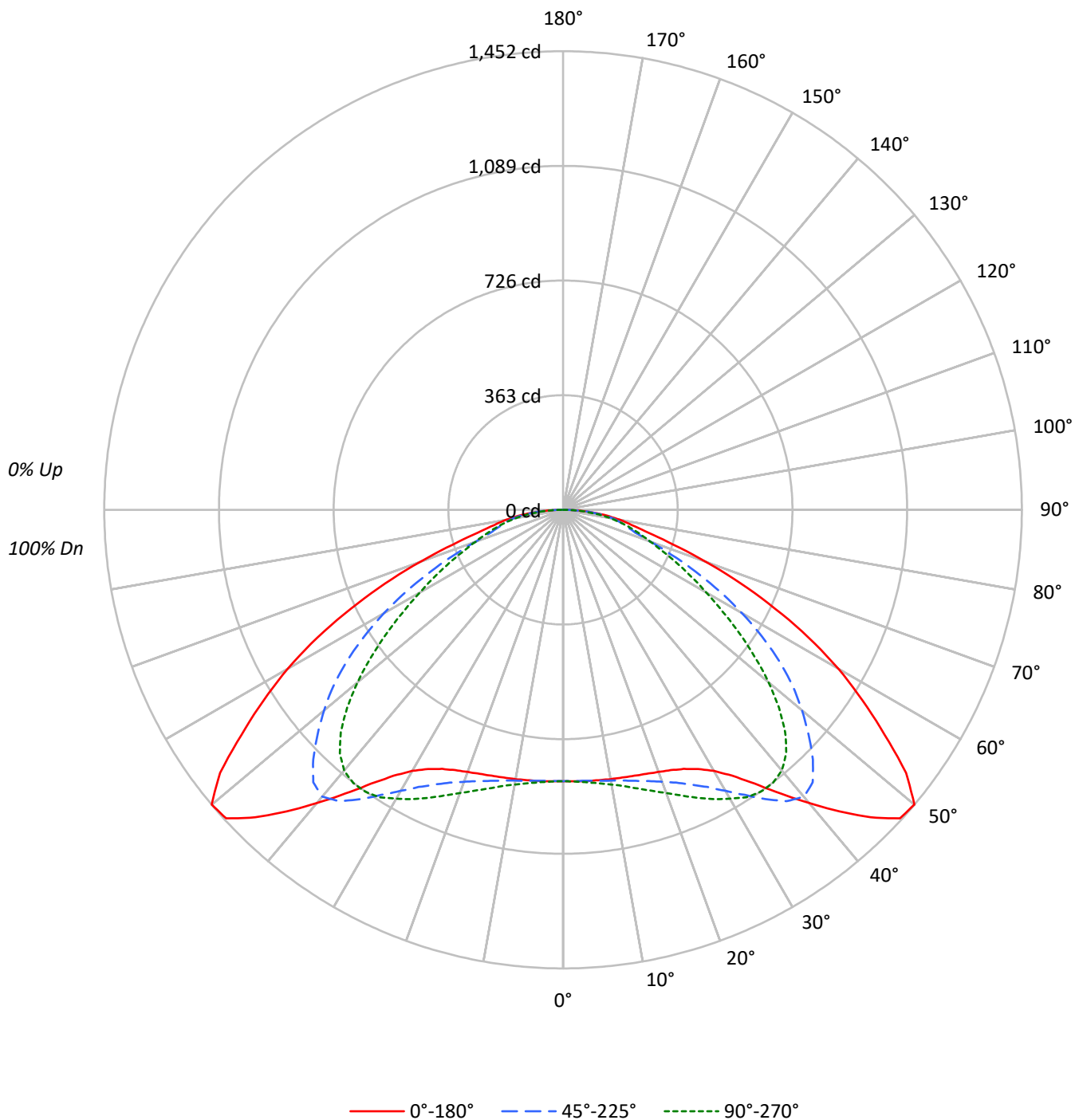
Lumens per Lamp: N/A
Luminaire Lumens: 4023.3 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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				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°	2312	2312	2312
5°	2329	2326	2339
10°	2366	2379	2413
15°	2428	2475	2545
20°	2529	2623	2732
25°	2687	2848	2987
30°	2965	3192	3281
35°	3476	3673	3581
40°	4255	4165	3785
45°	5240	4255	3784
50°	6077	4132	3555
55°	5830	3917	3197
60°	5416	3515	2815
65°	4718	2944	2522
70°	3774	2315	2315
75°	2896	2195	2298
80°	2842	2534	2340
85°	2856	2807	2291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6077 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	2.1
10°-20°	253.6	6.3
20°-30°	446.3	11.1
30°-40°	691.4	17.2
40°-50°	880.8	21.9
50°-60°	801.4	19.9
60°-70°	519.7	12.9
70°-80°	252.8	6.3
80°-90°	94.7	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°	782.6	19.5
0°-40°	1474.0	36.6
0°-60°	3156.1	78.4
0°-90°	4023.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4023.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	862	863	861	863	866	82
15°	872	877	888	905	913	248
25°	905	924	959	993	1006	422
35°	1058	1104	1118	1100	1090	674
45°	1377	1292	1118	1020	994	1058
55°	1243	1090	835	720	681	1109
65°	741	656	462	401	396	734
75°	278	255	211	201	221	316
85°	92	101	91	83	74	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	859.0	859.0	859.0	859.0	859.0
2.5°	860.6	861.6	859.0	859.5	861.1
5°	862.2	863.2	861.1	862.7	865.8
7.5°	863.2	865.3	865.3	869.0	873.1
10°	865.8	867.9	870.5	877.8	883.1
12.5°	867.9	871.6	877.8	889.9	895.6
15°	871.6	877.3	888.3	905.0	913.4
17.5°	876.3	884.6	900.3	922.2	932.2
20°	883.1	894.0	916.0	942.1	954.1
22.5°	891.9	906.6	934.8	965.6	978.7
25°	905.0	923.8	959.3	993.3	1005.9
27.5°	924.9	948.4	989.1	1023.1	1032.5
30°	954.1	983.4	1027.3	1050.8	1056.0
32.5°	997.5	1035.1	1070.1	1078.0	1079.0
35°	1058.1	1104.1	1118.2	1099.9	1090.0
37.5°	1132.3	1183.5	1162.6	1108.3	1090.5
40°	1211.2	1253.0	1185.6	1101.5	1077.4
42.5°	1294.8	1292.7	1169.9	1071.7	1045.6
45°	1376.8	1292.2	1118.2	1020.5	994.4
47.5°	1445.8	1253.0	1053.9	957.3	926.4
50°	1451.6	1201.8	987.0	880.4	849.1
52.5°	1368.0	1151.1	916.5	801.0	765.0
55°	1242.6	1090.0	835.0	719.5	681.4
57.5°	1123.9	1010.0	746.2	635.4	597.8
60°	1006.4	907.1	653.2	553.9	523.0
62.5°	876.3	787.4	558.1	472.9	456.7
65°	740.9	656.3	462.4	400.8	396.1
67.5°	609.8	531.9	371.0	332.8	338.6
70°	479.7	420.1	294.2	285.3	294.2
72.5°	364.7	331.3	239.3	241.4	256.0
75°	278.5	255.0	211.1	201.2	221.0
77.5°	223.1	208.0	187.1	172.4	187.1
80°	183.4	179.7	163.5	146.3	151.0
82.5°	138.5	141.1	128.5	119.7	113.9
85°	92.5	100.8	90.9	83.1	74.2
87.5°	46.5	56.4	48.1	42.8	38.1
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	19.3	21.0	19.6	21.3	21.6	15.8	17.5	16.2	17.9	18.2
	3H	20.6	22.1	20.9	22.4	22.8	17.1	18.7	17.5	19.0	19.4
	4H	20.9	22.4	21.3	22.7	23.1	17.7	19.1	18.1	19.5	19.9
	6H	21.2	22.6	21.6	22.9	23.3	18.2	19.6	18.6	19.9	20.3
	8H	21.3	22.6	21.8	23.0	23.4	18.4	19.7	18.9	20.1	20.5
	12H	21.4	22.7	21.9	23.1	23.5	18.6	19.9	19.0	20.3	20.7
4H	2H	19.4	20.9	19.8	21.3	21.6	16.5	18.0	16.9	18.3	18.7
	3H	20.9	22.1	21.3	22.5	22.9	17.9	19.2	18.3	19.6	20.0
	4H	21.4	22.5	21.8	22.9	23.3	18.6	19.7	19.0	20.1	20.6
	6H	21.8	22.8	22.3	23.2	23.7	19.3	20.3	19.7	20.7	21.2
	8H	22.0	22.9	22.5	23.4	23.8	19.6	20.5	20.0	20.9	21.4
	12H	22.2	23.0	22.7	23.5	24.0	19.8	20.7	20.3	21.1	21.6
8H	4H	21.5	22.4	21.9	22.8	23.3	18.9	19.9	19.4	20.3	20.8
	6H	22.1	22.8	22.5	23.3	23.8	19.8	20.6	20.3	21.0	21.5
	8H	22.4	23.0	22.9	23.5	24.0	20.2	20.9	20.7	21.4	21.9
	12H	22.6	23.3	23.1	23.7	24.3	20.6	21.2	21.1	21.7	22.2
12H	4H	21.5	22.3	22.0	22.8	23.3	19.0	19.8	19.5	20.3	20.8
	6H	22.1	22.8	22.6	23.3	23.8	19.9	20.6	20.4	21.1	21.6
	8H	22.4	23.1	23.0	23.6	24.1	20.4	21.0	20.9	21.5	22.1













(END OF REPORT)