

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: P1584100

Luminaire Tested: 14CGSB-40-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584100
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

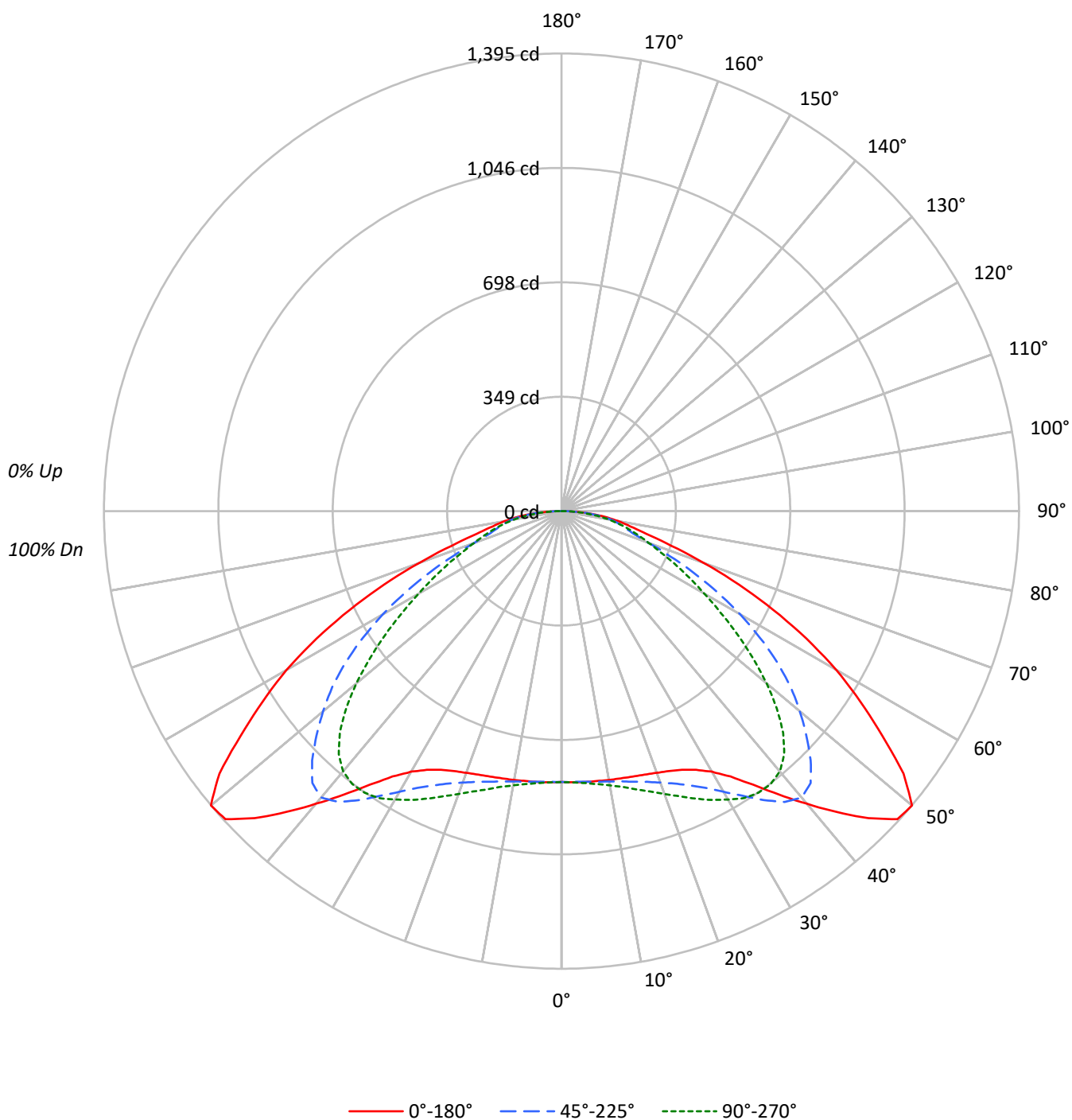
Lumens per Lamp: N/A
Luminaire Lumens: 3867.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2222	2222	2222
5°	2239	2236	2248
10°	2274	2286	2319
15°	2334	2379	2446
20°	2431	2521	2626
25°	2583	2738	2871
30°	2850	3068	3154
35°	3341	3531	3441
40°	4090	4003	3638
45°	5036	4090	3637
50°	5841	3972	3417
55°	5603	3765	3073
60°	5206	3379	2706
65°	4535	2830	2424
70°	3627	2225	2225
75°	2783	2110	2208
80°	2732	2436	2249
85°	2745	2699	2201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5841 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	2.1
10°-20°	243.7	6.3
20°-30°	429.0	11.1
30°-40°	664.5	17.2
40°-50°	846.6	21.9
50°-60°	770.2	19.9
60°-70°	499.5	12.9
70°-80°	243.0	6.3
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°	752.2	19.5
0°-40°	1416.7	36.6
0°-60°	3033.6	78.4
0°-90°	3867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	829	830	828	829	832	79
15°	838	843	854	870	878	238
25°	870	888	922	955	967	406
35°	1017	1061	1075	1057	1048	648
45°	1323	1242	1075	981	956	1017
55°	1194	1048	803	692	655	1066
65°	712	631	444	385	381	705
75°	268	245	203	193	212	303
85°	89	97	87	80	71	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	825.7	825.7	825.7	825.7	825.7
2.5°	827.2	828.2	825.7	826.2	827.7
5°	828.7	829.7	827.7	829.2	832.2
7.5°	829.7	831.7	831.7	835.2	839.2
10°	832.2	834.2	836.7	843.7	848.8
12.5°	834.2	837.7	843.7	855.3	860.8
15°	837.7	843.2	853.8	869.9	877.9
17.5°	842.2	850.3	865.3	886.4	896.0
20°	848.8	859.3	880.4	905.5	917.1
22.5°	857.3	871.4	898.5	928.1	940.7
25°	869.9	887.9	922.1	954.7	966.8
27.5°	888.9	911.5	950.7	983.4	992.4
30°	917.1	945.2	987.4	1010.0	1015.0
32.5°	958.8	994.9	1028.6	1036.1	1037.1
35°	1017.0	1061.2	1074.8	1057.2	1047.6
37.5°	1088.3	1137.5	1117.5	1065.2	1048.1
40°	1164.2	1204.3	1139.6	1058.7	1035.6
42.5°	1244.5	1242.5	1124.5	1030.1	1005.0
45°	1323.4	1242.0	1074.8	980.9	955.7
47.5°	1389.7	1204.3	1013.0	920.1	890.5
50°	1395.2	1155.1	948.7	846.3	816.1
52.5°	1314.8	1106.4	880.9	769.9	735.3
55°	1194.3	1047.6	802.6	691.6	654.9
57.5°	1080.3	970.8	717.2	610.7	574.5
60°	967.3	871.9	627.8	532.4	502.7
62.5°	842.2	756.9	536.4	454.5	438.9
65°	712.2	630.8	444.5	385.2	380.7
67.5°	586.1	511.3	356.6	319.9	325.4
70°	461.0	403.8	282.8	274.2	282.8
72.5°	350.6	318.4	230.0	232.0	246.1
75°	267.7	245.1	202.9	193.4	212.4
77.5°	214.5	199.9	179.8	165.7	179.8
80°	176.3	172.8	157.2	140.6	145.1
82.5°	133.1	135.6	123.5	115.0	109.5
85°	88.9	96.9	87.4	79.9	71.3
87.5°	44.7	54.2	46.2	41.2	36.7
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	19.1	20.9	19.5	21.2	21.5	15.7	17.4	16.0	17.7	18.0
	3H	20.4	22.0	20.8	22.3	22.7	17.0	18.5	17.3	18.9	19.2
	4H	20.8	22.2	21.2	22.6	23.0	17.5	19.0	17.9	19.4	19.7
	6H	21.1	22.4	21.5	22.8	23.2	18.1	19.4	18.5	19.8	20.2
	8H	21.2	22.5	21.6	22.9	23.3	18.3	19.6	18.7	20.0	20.4
	12H	21.3	22.6	21.7	22.9	23.4	18.5	19.7	18.9	20.1	20.5
4H	2H	19.3	20.8	19.7	21.1	21.5	16.3	17.8	16.7	18.2	18.5
	3H	20.8	22.0	21.2	22.4	22.8	17.8	19.0	18.2	19.4	19.8
	4H	21.2	22.3	21.7	22.8	23.2	18.5	19.6	18.9	20.0	20.4
	6H	21.7	22.7	22.1	23.1	23.6	19.2	20.1	19.6	20.6	21.0
	8H	21.9	22.8	22.3	23.2	23.7	19.4	20.4	19.9	20.8	21.3
	12H	22.1	22.9	22.5	23.4	23.8	19.7	20.5	20.2	21.0	21.5
8H	4H	21.3	22.3	21.8	22.7	23.2	18.8	19.7	19.3	20.2	20.6
	6H	21.9	22.7	22.4	23.2	23.6	19.7	20.4	20.1	20.9	21.4
	8H	22.2	22.9	22.7	23.4	23.9	20.1	20.7	20.6	21.3	21.7
	12H	22.5	23.1	23.0	23.6	24.2	20.4	21.0	20.9	21.5	22.1
12H	4H	21.4	22.2	21.8	22.7	23.1	18.9	19.7	19.4	20.2	20.6
	6H	22.0	22.7	22.5	23.1	23.7	19.8	20.5	20.3	20.9	21.5
	8H	22.3	22.9	22.8	23.4	24.0	20.3	20.9	20.8	21.4	21.9















(END OF REPORT)