

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: P1584106

Luminaire Tested: 14CGSB-40-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584106
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

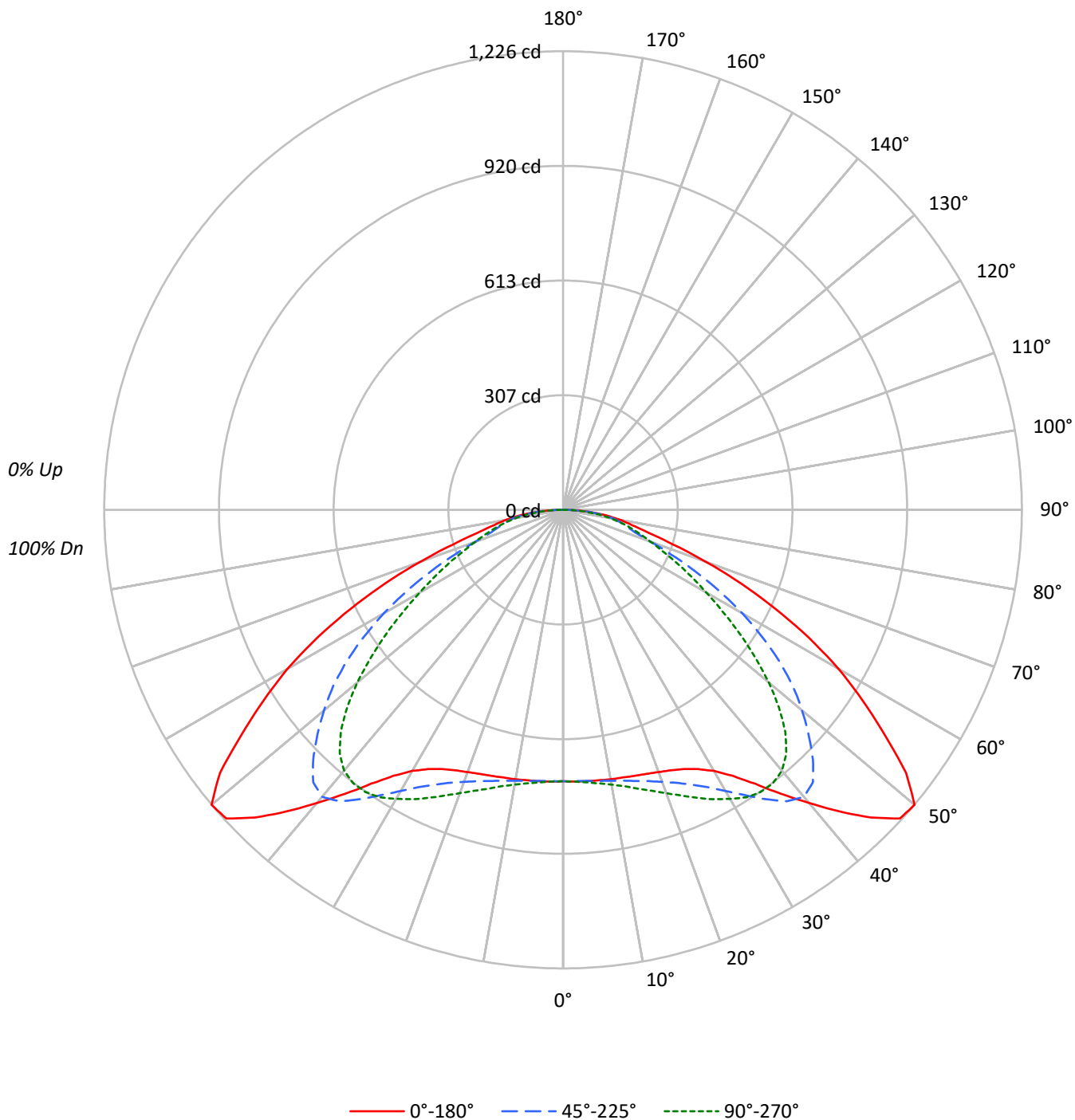
Lumens per Lamp: N/A
Luminaire Lumens: 3398.3 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	1953	1953	1953
5°	1967	1965	1975
10°	1998	2009	2038
15°	2051	2090	2149
20°	2136	2216	2308
25°	2270	2406	2523
30°	2504	2696	2772
35°	2936	3103	3025
40°	3594	3518	3197
45°	4426	3594	3196
50°	5133	3490	3003
55°	4924	3309	2700
60°	4575	2969	2378
65°	3985	2487	2130
70°	3188	1955	1955
75°	2445	1854	1941
80°	2400	2140	1977
85°	2411	2371	1936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	2.1
10°-20°	214.2	6.3
20°-30°	377.0	11.1
30°-40°	584.0	17.2
40°-50°	744.0	21.9
50°-60°	676.9	19.9
60°-70°	439.0	12.9
70°-80°	213.5	6.3
80°-90°	80.0	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°	661.0	19.5
0°-40°	1245.0	36.6
0°-60°	2665.9	78.4
0°-90°	3398.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3398.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	728	729	727	729	731	70
15°	736	741	750	764	772	209
25°	764	780	810	839	850	357
35°	894	933	944	929	921	569
45°	1163	1092	944	862	840	893
55°	1050	921	705	608	576	937
65°	626	554	391	338	334	620
75°	235	215	178	170	187	267
85°	78	85	77	70	63	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725.6	725.6	725.6	725.6	725.6
2.5°	726.9	727.8	725.6	726.0	727.3
5°	728.2	729.1	727.3	728.7	731.3
7.5°	729.1	730.9	730.9	734.0	737.5
10°	731.3	733.1	735.3	741.5	745.9
12.5°	733.1	736.2	741.5	751.6	756.5
15°	736.2	741.0	750.3	764.4	771.5
17.5°	740.1	747.2	760.4	779.0	787.4
20°	745.9	755.2	773.7	795.8	805.9
22.5°	753.4	765.7	789.6	815.6	826.7
25°	764.4	780.3	810.3	839.0	849.6
27.5°	781.2	801.1	835.5	864.2	872.1
30°	805.9	830.6	867.7	887.6	892.0
32.5°	842.5	874.3	903.9	910.5	911.4
35°	893.7	932.6	944.5	929.0	920.7
37.5°	956.4	999.7	982.0	936.1	921.1
40°	1023.1	1058.4	1001.4	930.4	910.1
42.5°	1093.7	1091.9	988.2	905.2	883.1
45°	1163.0	1091.5	944.5	862.0	839.9
47.5°	1221.2	1058.4	890.2	808.6	782.5
50°	1226.1	1015.1	833.7	743.7	717.2
52.5°	1155.5	972.3	774.1	676.6	646.1
55°	1049.5	920.7	705.3	607.7	575.5
57.5°	949.3	853.1	630.3	536.7	504.9
60°	850.0	766.2	551.7	467.8	441.8
62.5°	740.1	665.1	471.4	399.4	385.7
65°	625.8	554.3	390.6	338.5	334.5
67.5°	515.1	449.3	313.4	281.1	286.0
70°	405.2	354.8	248.5	241.0	248.5
72.5°	308.1	279.8	202.1	203.9	216.3
75°	235.2	215.4	178.3	169.9	186.7
77.5°	188.5	175.7	158.0	145.6	158.0
80°	154.9	151.8	138.1	123.6	127.6
82.5°	117.0	119.2	108.6	101.1	96.2
85°	78.1	85.2	76.8	70.2	62.7
87.5°	39.3	47.7	40.6	36.2	32.2
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	18.7	20.4	19.0	20.7	21.0	15.2	17.0	15.6	17.3	17.6
	3H	20.0	21.5	20.3	21.9	22.2	16.5	18.1	16.9	18.4	18.8
	4H	20.3	21.8	20.7	22.1	22.5	17.1	18.6	17.5	18.9	19.3
	6H	20.6	22.0	21.0	22.4	22.7	17.6	19.0	18.0	19.4	19.7
	8H	20.8	22.1	21.2	22.4	22.8	17.9	19.2	18.3	19.5	19.9
	12H	20.9	22.1	21.3	22.5	22.9	18.0	19.3	18.5	19.7	20.1
4H	2H	18.8	20.3	19.2	20.7	21.0	15.9	17.4	16.3	17.7	18.1
	3H	20.3	21.5	20.7	21.9	22.3	17.3	18.6	17.8	19.0	19.4
	4H	20.8	21.9	21.2	22.3	22.7	18.0	19.1	18.4	19.5	20.0
	6H	21.2	22.2	21.7	22.7	23.1	18.7	19.7	19.2	20.1	20.6
	8H	21.4	22.4	21.9	22.8	23.3	19.0	19.9	19.5	20.4	20.8
	12H	21.6	22.4	22.1	22.9	23.4	19.2	20.1	19.7	20.5	21.0
8H	4H	20.9	21.8	21.3	22.2	22.7	18.4	19.3	18.8	19.7	20.2
	6H	21.5	22.2	22.0	22.7	23.2	19.2	20.0	19.7	20.5	20.9
	8H	21.8	22.5	22.3	23.0	23.4	19.6	20.3	20.1	20.8	21.3
	12H	22.1	22.7	22.6	23.2	23.7	20.0	20.6	20.5	21.1	21.6
12H	4H	20.9	21.7	21.4	22.2	22.7	18.4	19.3	18.9	19.7	20.2
	6H	21.5	22.2	22.0	22.7	23.2	19.3	20.0	19.9	20.5	21.0
	8H	21.9	22.5	22.4	23.0	23.5	19.8	20.4	20.3	20.9	21.5













(END OF REPORT)