

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: P1584105

Luminaire Tested: 14CGSB-40-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584105
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

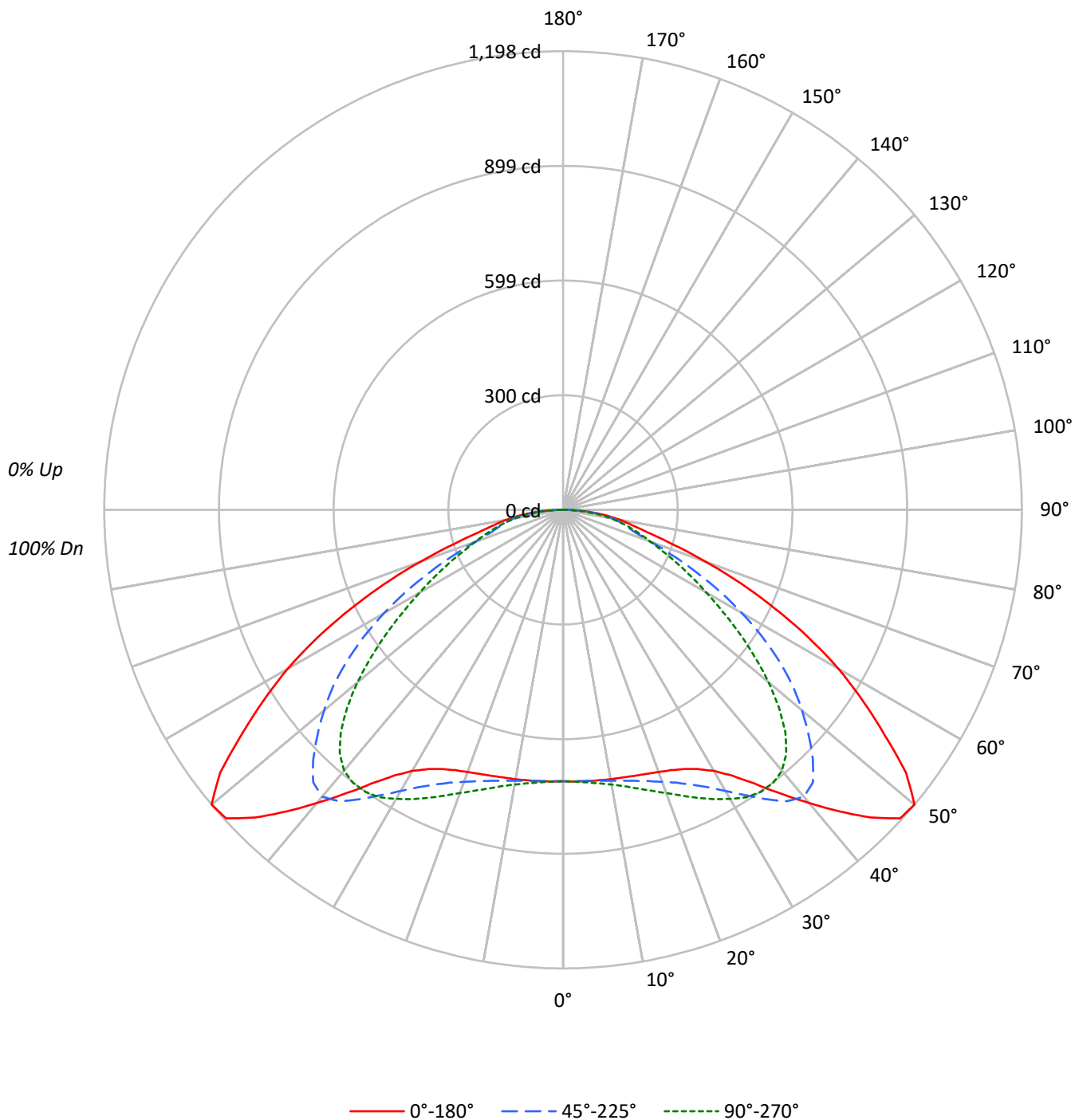
Lumens per Lamp: N/A
Luminaire Lumens: 3320.2 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1908	1908	1908
5°	1922	1920	1930
10°	1952	1963	1991
15°	2004	2042	2100
20°	2087	2165	2255
25°	2217	2351	2465
30°	2447	2634	2708
35°	2869	3031	2955
40°	3511	3437	3123
45°	4324	3512	3123
50°	5015	3410	2933
55°	4811	3233	2638
60°	4470	2901	2323
65°	3893	2430	2082
70°	3114	1910	1910
75°	2389	1811	1896
80°	2346	2092	1931
85°	2356	2316	1890

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	2.1
10°-20°	209.3	6.3
20°-30°	368.3	11.1
30°-40°	570.6	17.2
40°-50°	726.9	21.9
50°-60°	661.3	19.9
60°-70°	428.9	12.9
70°-80°	208.6	6.3
80°-90°	78.1	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°	645.8	19.5
0°-40°	1216.4	36.6
0°-60°	2604.5	78.4
0°-90°	3320.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3320.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	712	712	711	712	714	68
15°	719	724	733	747	754	204
25°	747	762	792	820	830	348
35°	873	911	923	908	900	556
45°	1136	1066	923	842	821	873
55°	1025	900	689	594	562	915
65°	611	542	382	331	327	605
75°	230	210	174	166	182	260
85°	76	83	75	69	61	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	708.9	708.9	708.9	708.9	708.9
2.5°	710.2	711.1	708.9	709.3	710.6
5°	711.5	712.4	710.6	711.9	714.5
7.5°	712.4	714.1	714.1	717.1	720.5
10°	714.5	716.2	718.4	724.4	728.7
12.5°	716.2	719.3	724.4	734.3	739.1
15°	719.3	724.0	733.0	746.8	753.7
17.5°	723.1	730.0	743.0	761.1	769.3
20°	728.7	737.8	755.9	777.5	787.4
22.5°	736.1	748.1	771.4	796.9	807.6
25°	746.8	762.4	791.7	819.7	830.1
27.5°	763.2	782.6	816.3	844.3	852.1
30°	787.4	811.5	847.8	867.2	871.5
32.5°	823.2	854.2	883.1	889.6	890.4
35°	873.2	911.1	922.8	907.7	899.5
37.5°	934.4	976.7	959.4	914.6	899.9
40°	999.5	1034.0	978.4	909.0	889.1
42.5°	1068.5	1066.8	965.5	884.4	862.8
45°	1136.2	1066.4	922.8	842.1	820.6
47.5°	1193.1	1034.0	869.7	790.0	764.5
50°	1197.9	991.8	814.5	726.6	700.7
52.5°	1128.9	949.9	756.3	661.0	631.3
55°	1025.4	899.5	689.1	593.8	562.3
57.5°	927.5	833.5	615.8	524.3	493.3
60°	830.5	748.6	539.0	457.1	431.6
62.5°	723.1	649.8	460.5	390.2	376.9
65°	611.4	541.6	381.6	330.7	326.9
67.5°	503.2	439.0	306.2	274.7	279.4
70°	395.8	346.7	242.8	235.4	242.8
72.5°	301.0	273.4	197.5	199.2	211.3
75°	229.8	210.4	174.2	166.0	182.4
77.5°	184.1	171.6	154.4	142.3	154.4
80°	151.4	148.3	135.0	120.7	124.6
82.5°	114.3	116.4	106.1	98.7	94.0
85°	76.3	83.2	75.0	68.6	61.2
87.5°	38.4	46.6	39.7	35.4	31.5
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	18.6	20.3	19.0	20.6	21.0	15.2	16.9	15.5	17.2	17.5
	3H	19.9	21.4	20.3	21.8	22.1	16.4	18.0	16.8	18.3	18.7
	4H	20.2	21.7	20.6	22.1	22.4	17.0	18.5	17.4	18.8	19.2
	6H	20.5	21.9	21.0	22.3	22.7	17.5	18.9	18.0	19.3	19.7
	8H	20.7	22.0	21.1	22.4	22.8	17.8	19.1	18.2	19.5	19.9
	12H	20.8	22.0	21.2	22.4	22.8	17.9	19.2	18.4	19.6	20.0
4H	2H	18.8	20.2	19.2	20.6	21.0	15.8	17.3	16.2	17.6	18.0
	3H	20.2	21.5	20.6	21.9	22.3	17.3	18.5	17.7	18.9	19.3
	4H	20.7	21.8	21.1	22.2	22.7	17.9	19.1	18.4	19.5	19.9
	6H	21.2	22.1	21.6	22.6	23.0	18.6	19.6	19.1	20.0	20.5
	8H	21.4	22.3	21.8	22.7	23.2	18.9	19.8	19.4	20.3	20.7
	12H	21.5	22.4	22.0	22.8	23.3	19.2	20.0	19.6	20.5	20.9
8H	4H	20.8	21.7	21.3	22.2	22.6	18.3	19.2	18.7	19.6	20.1
	6H	21.4	22.2	21.9	22.6	23.1	19.1	19.9	19.6	20.4	20.8
	8H	21.7	22.4	22.2	22.9	23.4	19.5	20.2	20.0	20.7	21.2
	12H	22.0	22.6	22.5	23.1	23.6	19.9	20.5	20.4	21.0	21.5
12H	4H	20.8	21.6	21.3	22.1	22.6	18.4	19.2	18.8	19.7	20.1
	6H	21.4	22.1	22.0	22.6	23.1	19.3	19.9	19.8	20.4	20.9
	8H	21.8	22.4	22.3	22.9	23.4	19.7	20.3	20.2	20.8	21.4













(END OF REPORT)