

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: P1527254

Luminaire Tested: 22CGSB-25-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-25-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

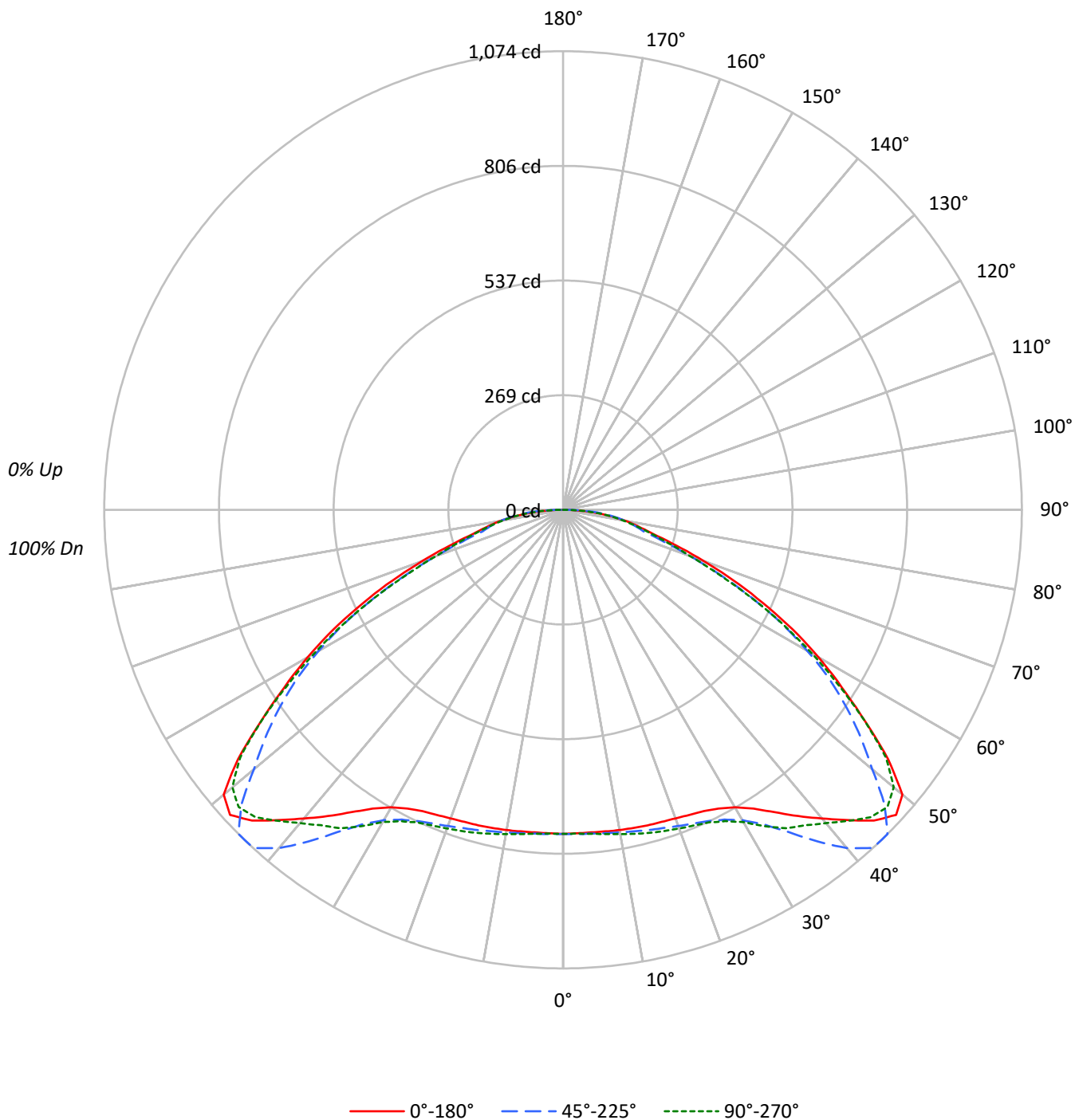
Lumens per Lamp: N/A
Luminaire Lumens: 3590.2 lumens
Efficiency: N/A
Efficacy: 176.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69	67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57	55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48	46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41	38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35	33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30	28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26	24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23	21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2042	2042	2042
5°	2048	2055	2057
10°	2081	2096	2107
15°	2131	2163	2182
20°	2202	2257	2274
25°	2311	2388	2398
30°	2499	2606	2623
35°	2838	3025	2989
40°	3314	3633	3364
45°	3918	4088	3874
50°	4341	3954	4230
55°	4047	3808	4044
60°	3715	3555	3620
65°	3286	3100	3096
70°	2753	2481	2486
75°	2263	2031	2193
80°	2301	2290	2196
85°	2260	2723	2303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	2.0
10°-20°	220.1	6.1
20°-30°	372.0	10.4
30°-40°	572.0	15.9
40°-50°	795.0	22.1
50°-60°	748.4	20.8
60°-70°	494.2	13.8
70°-80°	229.7	6.4
80°-90°	86.0	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°	664.9	18.5
0°-40°	1237.0	34.5
0°-60°	2780.4	77.4
0°-90°	3590.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3590.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	758	760	761	762	762	72
15°	765	768	776	782	783	217
25°	778	789	804	809	808	362
35°	864	894	921	918	910	547
45°	1029	1066	1074	1048	1018	788
55°	863	850	812	840	862	773
65°	516	511	487	494	486	512
75°	218	210	195	201	211	244
85°	73	84	88	85	75	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	758.8	758.8	758.8	758.8	758.8
2.5°	758.1	759.5	760.2	760.9	758.8
5°	758.1	760.2	760.9	762.2	761.5
7.5°	759.5	761.5	763.6	764.9	765.6
10°	761.5	763.6	767.0	771.0	771.0
12.5°	762.9	766.3	771.0	776.5	777.1
15°	764.9	768.3	776.5	781.9	783.2
17.5°	766.3	771.7	781.2	788.0	788.7
20°	769.0	775.1	788.0	794.1	794.1
22.5°	773.1	781.2	794.8	800.2	800.2
25°	778.5	788.7	804.3	809.0	807.6
27.5°	788.7	800.9	817.8	823.2	821.9
30°	804.3	820.5	838.8	845.6	844.3
32.5°	829.3	849.7	872.7	878.8	878.2
35°	863.9	894.4	920.9	917.5	910.0
37.5°	903.9	949.4	979.2	947.3	931.1
40°	943.3	1005.0	1034.1	982.6	957.5
42.5°	985.3	1048.4	1073.5	1023.3	988.0
45°	1029.4	1066.0	1074.1	1048.4	1017.9
47.5°	1057.2	1038.2	1020.6	1036.2	1030.1
50°	1036.9	973.1	944.6	974.5	1010.4
52.5°	959.5	912.8	879.5	907.3	952.8
55°	862.6	850.4	811.7	839.5	861.9
57.5°	773.7	783.2	741.2	762.2	765.6
60°	690.3	697.1	660.5	678.1	672.7
62.5°	605.6	606.2	577.8	587.9	579.8
65°	516.1	511.3	486.9	494.4	486.2
67.5°	432.0	421.1	398.1	401.4	394.0
70°	349.9	337.0	315.3	320.1	316.0
72.5°	276.7	266.5	247.5	253.6	257.7
75°	217.7	209.5	195.3	201.4	210.9
77.5°	180.4	170.2	171.6	167.5	174.3
80°	148.5	142.4	147.8	143.8	141.7
82.5°	110.5	116.6	118.7	120.7	110.5
85°	73.2	84.1	88.2	85.4	74.6
87.5°	35.9	45.4	46.8	46.1	38.7
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	17.7	19.5	18.1	19.8	20.1	17.5	19.3	17.9	19.6	19.9
	3H	19.0	20.6	19.4	20.9	21.2	18.7	20.3	19.1	20.6	21.0
	4H	19.4	20.9	19.8	21.2	21.6	19.1	20.6	19.5	20.9	21.3
	6H	19.7	21.1	20.1	21.5	21.9	19.4	20.8	19.8	21.2	21.6
	8H	19.9	21.2	20.3	21.6	22.0	19.6	20.9	20.0	21.3	21.7
	12H	20.0	21.3	20.4	21.6	22.1	19.7	21.0	20.2	21.4	21.8
4H	2H	18.2	19.6	18.5	20.0	20.4	18.0	19.5	18.4	19.9	20.2
	3H	19.6	20.8	20.0	21.2	21.6	19.4	20.6	19.8	21.0	21.4
	4H	20.1	21.2	20.5	21.6	22.1	19.8	21.0	20.3	21.4	21.8
	6H	20.6	21.6	21.0	22.0	22.5	20.3	21.3	20.8	21.8	22.2
	8H	20.8	21.7	21.2	22.2	22.6	20.6	21.5	21.0	21.9	22.4
	12H	21.0	21.8	21.4	22.3	22.8	20.8	21.6	21.2	22.1	22.6
8H	4H	20.3	21.2	20.7	21.6	22.1	20.0	21.0	20.5	21.4	21.9
	6H	20.9	21.7	21.4	22.1	22.6	20.7	21.5	21.2	21.9	22.4
	8H	21.2	21.9	21.7	22.4	22.9	21.0	21.7	21.5	22.2	22.7
	12H	21.5	22.1	22.0	22.6	23.2	21.3	22.0	21.8	22.5	23.0
12H	4H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.6	21.4	21.9
	6H	21.0	21.7	21.5	22.1	22.7	20.8	21.5	21.3	21.9	22.5
	8H	21.3	22.0	21.8	22.4	23.0	21.2	21.8	21.7	22.3	22.8









(END OF REPORT)