

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: P1527316

Luminaire Tested: 22CGSB-80-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527316
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-80-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

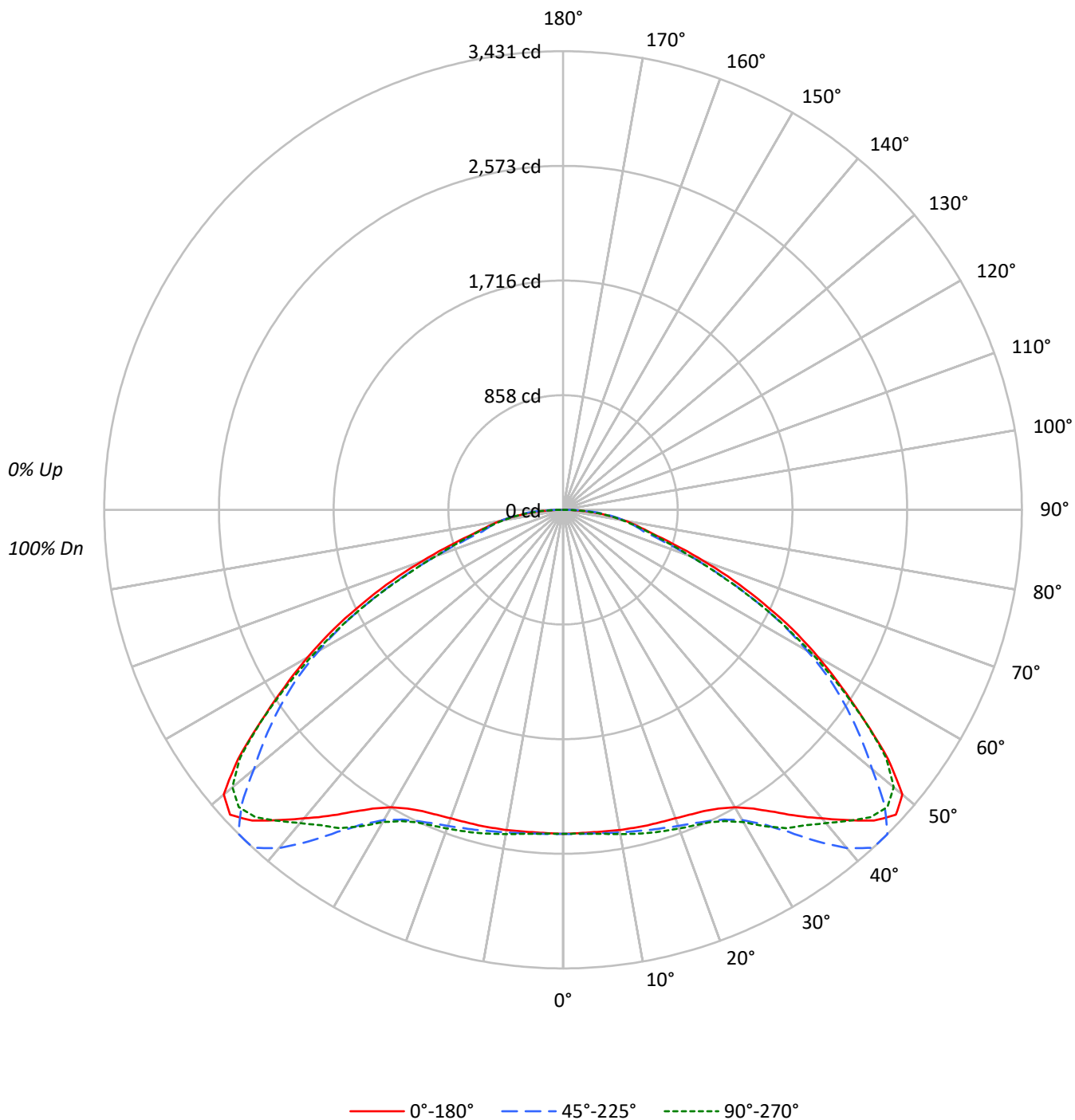
Lumens per Lamp: N/A
Luminaire Lumens: 11467.7 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 72.6
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	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°	6522	6522	6522
5°	6541	6565	6571
10°	6647	6694	6729
15°	6807	6909	6970
20°	7034	7208	7263
25°	7383	7627	7660
30°	7982	8325	8379
35°	9065	9663	9549
40°	10584	11604	10744
45°	12513	13057	12373
50°	13865	12631	13511
55°	12926	12164	12916
60°	11867	11354	11564
65°	10495	9903	9889
70°	8794	7925	7942
75°	7229	6486	7004
80°	7352	7318	7015
85°	7222	8695	7358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 13865 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.6	2.0
10°-20°	702.9	6.1
20°-30°	1188.3	10.4
30°-40°	1827.2	15.9
40°-50°	2539.4	22.1
50°-60°	2390.4	20.8
60°-70°	1578.7	13.8
70°-80°	733.6	6.4
80°-90°	274.6	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°	2123.8	18.5
0°-40°	3951.0	34.5
0°-60°	8880.8	77.4
0°-90°	11467.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11467.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2424	2424	2424	2424	2424	
5°	2422	2428	2430	2435	2432	232
15°	2443	2454	2480	2497	2502	693
25°	2487	2519	2569	2584	2580	1157
35°	2760	2857	2941	2931	2907	1747
45°	3288	3405	3431	3349	3251	2516
55°	2755	2716	2593	2682	2753	2469
65°	1648	1633	1555	1579	1553	1637
75°	695	669	624	643	674	778
85°	234	269	282	273	238	256
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2423.8	2423.8	2423.8	2423.8	2423.8
2.5°	2421.6	2425.9	2428.1	2430.3	2423.8
5°	2421.6	2428.1	2430.3	2434.6	2432.4
7.5°	2425.9	2432.4	2438.9	2443.3	2445.4
10°	2432.4	2438.9	2449.8	2462.7	2462.7
12.5°	2436.8	2447.6	2462.7	2480.1	2482.2
15°	2443.3	2454.1	2480.1	2497.4	2501.7
17.5°	2447.6	2464.9	2495.2	2516.9	2519.1
20°	2456.2	2475.7	2516.9	2536.4	2536.4
22.5°	2469.2	2495.2	2538.6	2555.9	2555.9
25°	2486.6	2519.1	2568.9	2584.0	2579.7
27.5°	2519.1	2558.1	2612.2	2629.5	2625.2
30°	2568.9	2620.9	2679.3	2701.0	2696.7
32.5°	2649.0	2714.0	2787.6	2807.1	2805.0
35°	2759.5	2857.0	2941.4	2930.6	2906.8
37.5°	2887.3	3032.4	3127.7	3025.9	2973.9
40°	3012.9	3210.0	3303.2	3138.5	3058.4
42.5°	3147.2	3348.6	3428.8	3268.5	3155.9
45°	3288.0	3405.0	3431.0	3348.6	3251.2
47.5°	3376.8	3316.2	3259.8	3309.7	3290.2
50°	3311.8	3108.2	3017.2	3112.5	3227.3
52.5°	3064.9	2915.4	2809.3	2898.1	3043.2
55°	2755.2	2716.2	2592.7	2681.5	2753.0
57.5°	2471.4	2501.7	2367.4	2434.6	2445.4
60°	2205.0	2226.7	2109.7	2166.0	2148.7
62.5°	1934.2	1936.4	1845.4	1877.9	1851.9
65°	1648.3	1633.2	1555.2	1579.0	1553.0
67.5°	1379.7	1345.1	1271.4	1282.3	1258.4
70°	1117.7	1076.5	1007.2	1022.4	1009.4
72.5°	883.7	851.2	790.6	810.1	823.1
75°	695.3	669.3	623.8	643.3	673.6
77.5°	576.2	543.7	548.0	535.0	556.7
80°	474.4	454.9	472.2	459.2	452.7
82.5°	353.1	372.6	379.1	385.5	353.1
85°	233.9	268.6	281.6	272.9	238.3
87.5°	114.8	145.1	149.5	147.3	123.5
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	21.7	23.5	22.1	23.8	24.1	21.6	23.3	21.9	23.6	24.0
	3H	23.0	24.6	23.4	24.9	25.3	22.7	24.3	23.1	24.6	25.0
	4H	23.4	24.9	23.8	25.2	25.6	23.1	24.6	23.5	25.0	25.3
	6H	23.7	25.1	24.2	25.5	25.9	23.5	24.9	23.9	25.2	25.6
	8H	23.9	25.2	24.3	25.6	26.0	23.6	25.0	24.1	25.4	25.7
	12H	24.0	25.3	24.4	25.7	26.1	23.8	25.0	24.2	25.4	25.9
4H	2H	22.2	23.7	22.6	24.0	24.4	22.0	23.5	22.4	23.9	24.3
	3H	23.6	24.9	24.0	25.3	25.7	23.4	24.6	23.8	25.0	25.4
	4H	24.1	25.3	24.6	25.7	26.1	23.9	25.0	24.3	25.4	25.9
	6H	24.6	25.6	25.1	26.0	26.5	24.4	25.4	24.8	25.8	26.3
	8H	24.8	25.7	25.3	26.2	26.7	24.6	25.5	25.1	26.0	26.4
	12H	25.0	25.8	25.5	26.3	26.8	24.8	25.6	25.3	26.1	26.6
8H	4H	24.3	25.2	24.8	25.7	26.1	24.1	25.0	24.5	25.5	25.9
	6H	24.9	25.7	25.4	26.2	26.7	24.7	25.5	25.2	26.0	26.5
	8H	25.2	25.9	25.7	26.4	26.9	25.1	25.8	25.6	26.3	26.7
	12H	25.5	26.2	26.0	26.6	27.2	25.4	26.0	25.9	26.5	27.0
12H	4H	24.3	25.2	24.8	25.7	26.1	24.1	25.0	24.6	25.4	25.9
	6H	25.0	25.7	25.5	26.2	26.7	24.8	25.5	25.3	26.0	26.5
	8H	25.4	26.0	25.9	26.5	27.0	25.2	25.8	25.7	26.3	26.9















(END OF REPORT)