

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: P1527317

Luminaire Tested: 22CGSB-80-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527317
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

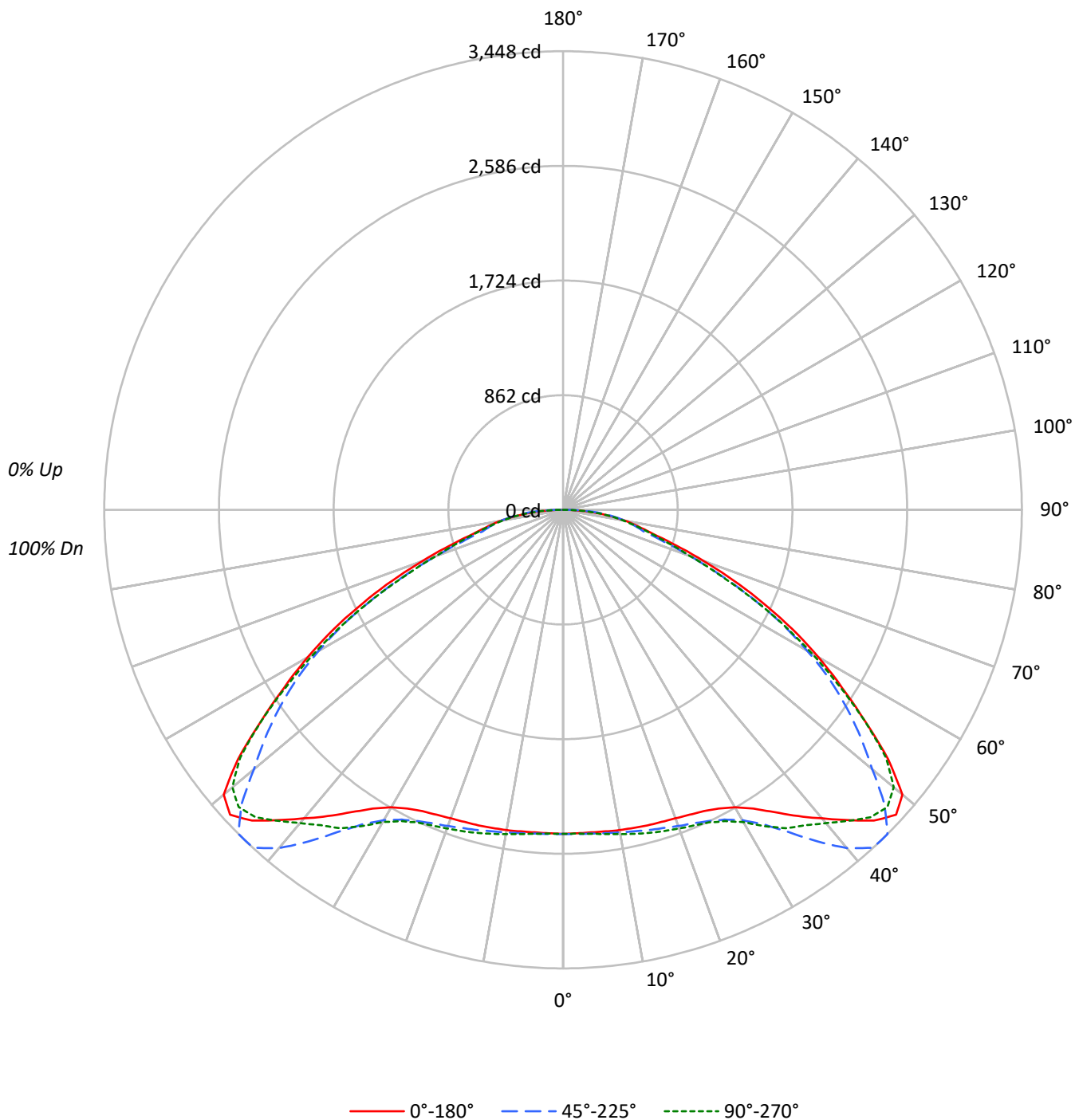
Lumens per Lamp: N/A
Luminaire Lumens: 11526.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1527317

CATALOG NUMBER: 22CGSB-80-A125-L840

Luminous Intensity Polar Plot





TEST NUMBER: P1527317

CATALOG NUMBER: 22CGSB-80-A125-L840

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	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°	6555	6555	6555
5°	6575	6598	6604
10°	6680	6728	6764
15°	6841	6944	7005
20°	7070	7244	7300
25°	7421	7666	7698
30°	8023	8368	8422
35°	9111	9712	9598
40°	10638	11663	10798
45°	12576	13123	12436
50°	13935	12696	13580
55°	12992	12226	12982
60°	11927	11412	11623
65°	10549	9953	9939
70°	8838	7965	7982
75°	7266	6519	7040
80°	7389	7355	7051
85°	7259	8738	7395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 13935 cd/sqm

TEST NUMBER: P1527317

CATALOG NUMBER: 22CGSB-80-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	2.0
10°-20°	706.4	6.1
20°-30°	1194.4	10.4
30°-40°	1836.5	15.9
40°-50°	2552.3	22.1
50°-60°	2402.6	20.8
60°-70°	1586.7	13.8
70°-80°	737.3	6.4
80°-90°	276.0	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°	2134.6	18.5
0°-40°	3971.1	34.5
0°-60°	8926.0	77.4
0°-90°	11526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2436	2436	2436	2436	2436	
5°	2434	2440	2443	2447	2445	233
15°	2456	2467	2493	2510	2514	696
25°	2499	2532	2582	2597	2593	1163
35°	2774	2872	2956	2946	2922	1756
45°	3305	3422	3448	3366	3268	2529
55°	2769	2730	2606	2695	2767	2481
65°	1657	1642	1563	1587	1561	1645
75°	699	673	627	647	677	782
85°	235	270	283	274	240	257
90°	0	0	0	0	0	

TEST NUMBER: P1527317

CATALOG NUMBER: 22CGSB-80-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2436.1	2436.1	2436.1	2436.1	2436.1
2.5°	2433.9	2438.3	2440.4	2442.6	2436.1
5°	2433.9	2440.4	2442.6	2447.0	2444.8
7.5°	2438.3	2444.8	2451.3	2455.7	2457.9
10°	2444.8	2451.3	2462.2	2475.3	2475.3
12.5°	2449.1	2460.0	2475.3	2492.7	2494.9
15°	2455.7	2466.6	2492.7	2510.1	2514.5
17.5°	2460.0	2477.4	2507.9	2529.7	2531.9
20°	2468.7	2488.3	2529.7	2549.3	2549.3
22.5°	2481.8	2507.9	2551.5	2568.9	2568.9
25°	2499.2	2531.9	2581.9	2597.2	2592.8
27.5°	2531.9	2571.1	2625.5	2642.9	2638.5
30°	2581.9	2634.2	2693.0	2714.7	2710.4
32.5°	2662.5	2727.8	2801.8	2821.4	2819.2
35°	2773.5	2871.5	2956.4	2945.5	2921.6
37.5°	2902.0	3047.8	3143.6	3041.3	2989.0
40°	3028.2	3226.3	3320.0	3154.5	3073.9
42.5°	3163.2	3365.7	3446.2	3285.1	3171.9
45°	3304.7	3422.3	3448.4	3365.7	3267.7
47.5°	3394.0	3333.0	3276.4	3326.5	3306.9
50°	3328.7	3124.0	3032.6	3128.4	3243.8
52.5°	3080.5	2930.3	2823.6	2912.8	3058.7
55°	2769.2	2730.0	2605.9	2695.1	2767.0
57.5°	2484.0	2514.5	2379.5	2447.0	2457.9
60°	2216.2	2238.0	2120.4	2177.0	2159.6
62.5°	1944.1	1946.3	1854.8	1887.5	1861.4
65°	1656.7	1641.5	1563.1	1587.0	1560.9
67.5°	1386.8	1351.9	1277.9	1288.8	1264.8
70°	1123.3	1082.0	1012.3	1027.6	1014.5
72.5°	888.2	855.6	794.6	814.2	827.3
75°	698.8	672.7	627.0	646.6	677.1
77.5°	579.1	546.4	550.8	537.7	559.5
80°	476.8	457.2	474.6	461.5	455.0
82.5°	354.9	374.4	381.0	387.5	354.9
85°	235.1	270.0	283.0	274.3	239.5
87.5°	115.4	145.9	150.2	148.0	124.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527317

CATALOG NUMBER: 22CGSB-80-A125-L840

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	21.8	23.5	22.1	23.8	24.1	21.6	23.3	22.0	23.7	24.0
	3H	23.0	24.6	23.4	24.9	25.3	22.8	24.3	23.1	24.7	25.0
	4H	23.4	24.9	23.8	25.3	25.6	23.1	24.6	23.5	25.0	25.4
	6H	23.8	25.2	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	23.7	25.0	24.1	25.4	25.8
	12H	24.0	25.3	24.5	25.7	26.1	23.8	25.1	24.2	25.4	25.9
4H	2H	22.2	23.7	22.6	24.0	24.4	22.1	23.6	22.5	23.9	24.3
	3H	23.6	24.9	24.1	25.3	25.7	23.4	24.7	23.8	25.1	25.5
	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	26.1	26.5	24.4	25.4	24.8	25.8	26.3
	8H	24.8	25.8	25.3	26.2	26.7	24.6	25.5	25.1	26.0	26.5
	12H	25.0	25.9	25.5	26.3	26.8	24.8	25.7	25.3	26.1	26.6
8H	4H	24.3	25.3	24.8	25.7	26.2	24.1	25.0	24.6	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	25.8	26.5	26.9	25.1	25.8	25.6	26.3	26.8
	12H	25.5	26.2	26.0	26.7	27.2	25.4	26.0	25.9	26.5	27.1
12H	4H	24.4	25.2	24.8	25.7	26.1	24.1	25.0	24.6	25.5	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	27.1	25.2	25.8	25.7	26.3	26.9













(END OF REPORT)