

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: P1527309

Luminaire Tested: 22CGSB-70-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527309
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-70-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

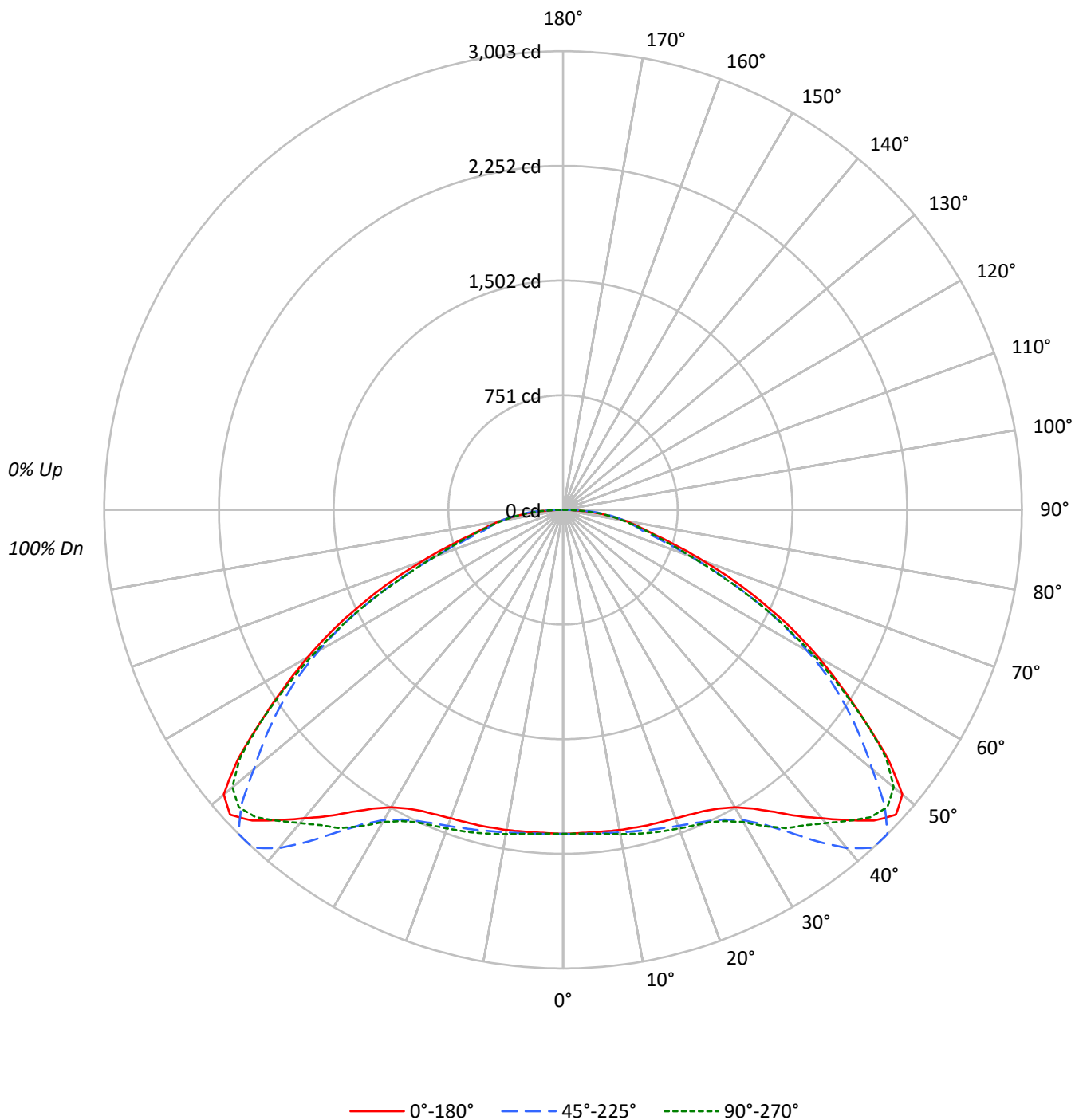
Lumens per Lamp: N/A
Luminaire Lumens: 10037.4 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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°	5709	5709	5709
5°	5726	5746	5751
10°	5817	5859	5890
15°	5958	6048	6100
20°	6157	6309	6357
25°	6462	6676	6704
30°	6987	7287	7334
35°	7934	8458	8358
40°	9264	10156	9403
45°	10952	11428	10830
50°	12136	11056	11826
55°	11314	10647	11305
60°	10387	9938	10122
65°	9186	8667	8655
70°	7697	6936	6951
75°	6328	5677	6130
80°	6434	6405	6140
85°	6323	7611	6438

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 12136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	2.0
10°-20°	615.2	6.1
20°-30°	1040.1	10.4
30°-40°	1599.3	15.9
40°-50°	2222.7	22.1
50°-60°	2092.3	20.8
60°-70°	1381.8	13.8
70°-80°	642.1	6.4
80°-90°	240.3	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°	1858.9	18.5
0°-40°	3458.2	34.5
0°-60°	7773.2	77.4
0°-90°	10037.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10037.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2122	2122	2122	2122	2122	
5°	2120	2125	2127	2131	2129	203
15°	2138	2148	2171	2186	2190	606
25°	2176	2205	2248	2262	2258	1013
35°	2415	2501	2575	2565	2544	1529
45°	2878	2980	3003	2931	2846	2202
55°	2412	2377	2269	2347	2410	2161
65°	1443	1430	1361	1382	1359	1433
75°	609	586	546	563	590	681
85°	205	235	246	239	208	224
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2121.5	2121.5	2121.5	2121.5	2121.5
2.5°	2119.6	2123.4	2125.3	2127.2	2121.5
5°	2119.6	2125.3	2127.2	2130.9	2129.0
7.5°	2123.4	2129.0	2134.7	2138.5	2140.4
10°	2129.0	2134.7	2144.2	2155.6	2155.6
12.5°	2132.8	2142.3	2155.6	2170.8	2172.7
15°	2138.5	2148.0	2170.8	2185.9	2189.7
17.5°	2142.3	2157.5	2184.0	2203.0	2204.9
20°	2149.9	2167.0	2203.0	2220.0	2220.0
22.5°	2161.3	2184.0	2221.9	2237.1	2237.1
25°	2176.4	2204.9	2248.5	2261.8	2258.0
27.5°	2204.9	2239.0	2286.4	2301.6	2297.8
30°	2248.5	2294.0	2345.2	2364.1	2360.3
32.5°	2318.6	2375.5	2440.0	2457.0	2455.1
35°	2415.3	2500.6	2574.6	2565.1	2544.2
37.5°	2527.2	2654.2	2737.6	2648.5	2603.0
40°	2637.1	2809.7	2891.2	2747.1	2676.9
42.5°	2754.7	2931.0	3001.1	2860.8	2762.3
45°	2877.9	2980.3	3003.0	2931.0	2845.7
47.5°	2955.6	2902.6	2853.3	2896.9	2879.8
50°	2898.8	2720.6	2640.9	2724.3	2824.8
52.5°	2682.6	2551.8	2458.9	2536.7	2663.7
55°	2411.5	2377.4	2269.3	2347.1	2409.6
57.5°	2163.2	2189.7	2072.2	2130.9	2140.4
60°	1930.0	1948.9	1846.6	1895.9	1880.7
62.5°	1693.0	1694.9	1615.3	1643.7	1621.0
65°	1442.7	1429.5	1361.2	1382.1	1359.3
67.5°	1207.7	1177.3	1112.9	1122.3	1101.5
70°	978.3	942.2	881.6	894.8	883.5
72.5°	773.5	745.1	692.0	709.1	720.4
75°	608.6	585.8	546.0	563.1	589.6
77.5°	504.3	475.9	479.7	468.3	487.2
80°	415.2	398.1	413.3	401.9	396.2
82.5°	309.0	326.1	331.8	337.5	309.0
85°	204.8	235.1	246.5	238.9	208.5
87.5°	100.5	127.0	130.8	128.9	108.1
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	21.3	23.0	21.6	23.3	23.7	21.1	22.9	21.5	23.2	23.5
	3H	22.5	24.1	22.9	24.5	24.8	22.3	23.9	22.6	24.2	24.5
	4H	22.9	24.4	23.3	24.8	25.2	22.7	24.2	23.1	24.5	24.9
	6H	23.3	24.7	23.7	25.0	25.4	23.0	24.4	23.4	24.8	25.2
	8H	23.4	24.8	23.9	25.1	25.5	23.2	24.5	23.6	24.9	25.3
	12H	23.6	24.8	24.0	25.2	25.6	23.3	24.6	23.7	25.0	25.4
4H	2H	21.7	23.2	22.1	23.6	23.9	21.6	23.1	22.0	23.4	23.8
	3H	23.2	24.4	23.6	24.8	25.2	22.9	24.2	23.3	24.6	25.0
	4H	23.7	24.8	24.1	25.2	25.6	23.4	24.5	23.8	25.0	25.4
	6H	24.1	25.1	24.6	25.6	26.0	23.9	24.9	24.4	25.3	25.8
	8H	24.4	25.3	24.8	25.7	26.2	24.1	25.1	24.6	25.5	26.0
	12H	24.5	25.4	25.0	25.9	26.3	24.3	25.2	24.8	25.7	26.1
8H	4H	23.8	24.8	24.3	25.2	25.7	23.6	24.6	24.1	25.0	25.5
	6H	24.5	25.2	24.9	25.7	26.2	24.3	25.0	24.7	25.5	26.0
	8H	24.8	25.5	25.3	26.0	26.5	24.6	25.3	25.1	25.8	26.3
	12H	25.1	25.7	25.6	26.2	26.7	24.9	25.5	25.4	26.0	26.6
12H	4H	23.9	24.7	24.4	25.2	25.7	23.7	24.5	24.1	25.0	25.4
	6H	24.5	25.2	25.0	25.7	26.2	24.3	25.0	24.9	25.5	26.0
	8H	24.9	25.5	25.4	26.0	26.6	24.7	25.4	25.2	25.8	26.4















(END OF REPORT)