

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: P1527308

Luminaire Tested: 22CGSB-70-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527308
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

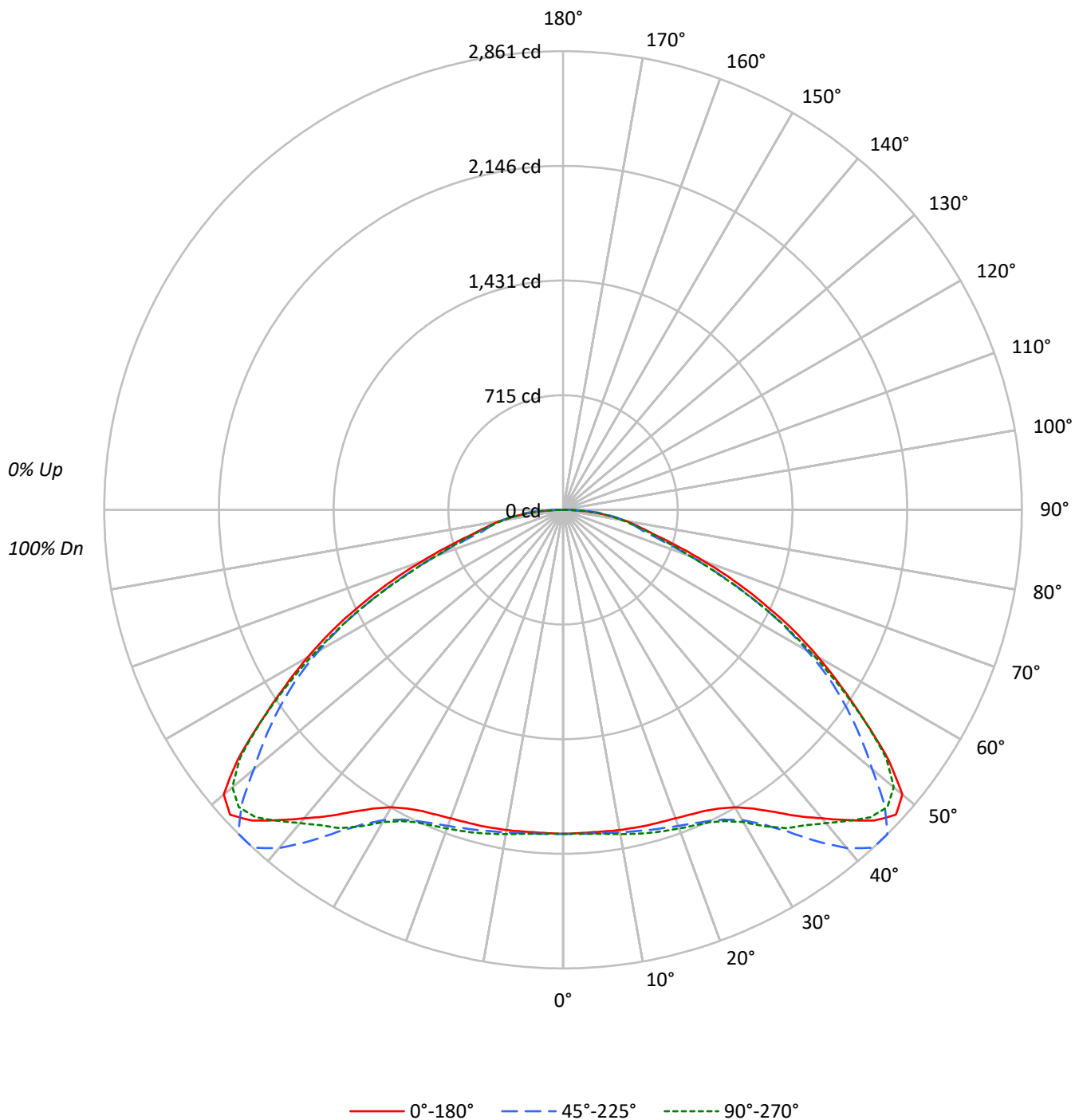
Lumens per Lamp: N/A
Luminaire Lumens: 9562.8 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	5439	5439	5439
5°	5455	5474	5479
10°	5543	5582	5612
15°	5676	5762	5812
20°	5865	6010	6057
25°	6157	6361	6387
30°	6656	6943	6987
35°	7559	8058	7963
40°	8826	9676	8959
45°	10434	10888	10317
50°	11562	10533	11267
55°	10779	10143	10770
60°	9896	9468	9643
65°	8752	8258	8246
70°	7333	6608	6622
75°	6028	5409	5840
80°	6131	6103	5850
85°	6024	7250	6135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11562 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	2.0
10°-20°	586.1	6.1
20°-30°	990.9	10.4
30°-40°	1523.7	15.9
40°-50°	2117.6	22.1
50°-60°	1993.4	20.8
60°-70°	1316.5	13.8
70°-80°	611.7	6.4
80°-90°	229.0	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°	1771.0	18.5
0°-40°	3294.7	34.5
0°-60°	7405.6	77.4
0°-90°	9562.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9562.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2021	2021	2021	2021	2021	
5°	2019	2025	2027	2030	2028	193
15°	2037	2046	2068	2083	2086	578
25°	2074	2101	2142	2155	2151	965
35°	2301	2382	2453	2444	2424	1457
45°	2742	2839	2861	2792	2711	2098
55°	2298	2265	2162	2236	2296	2059
65°	1374	1362	1297	1317	1295	1365
75°	580	558	520	536	562	649
85°	195	224	235	228	199	213
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2021.1	2021.1	2021.1	2021.1	2021.1
2.5°	2019.3	2023.0	2024.8	2026.6	2021.1
5°	2019.3	2024.8	2026.6	2030.2	2028.4
7.5°	2023.0	2028.4	2033.8	2037.4	2039.2
10°	2028.4	2033.8	2042.8	2053.7	2053.7
12.5°	2032.0	2041.0	2053.7	2068.1	2069.9
15°	2037.4	2046.4	2068.1	2082.6	2086.2
17.5°	2041.0	2055.5	2080.8	2098.8	2100.6
20°	2048.2	2064.5	2098.8	2115.1	2115.1
22.5°	2059.1	2080.8	2116.9	2131.3	2131.3
25°	2073.5	2100.6	2142.2	2154.8	2151.2
27.5°	2100.6	2133.1	2178.3	2192.7	2189.1
30°	2142.2	2185.5	2234.3	2252.3	2248.7
32.5°	2209.0	2263.2	2324.6	2340.8	2339.0
35°	2301.1	2382.4	2452.8	2443.8	2423.9
37.5°	2407.7	2528.7	2608.2	2523.3	2479.9
40°	2512.4	2676.8	2754.5	2617.2	2550.4
42.5°	2624.4	2792.4	2859.2	2725.6	2631.6
45°	2741.8	2839.4	2861.0	2792.4	2711.1
47.5°	2815.9	2765.3	2718.3	2759.9	2743.6
50°	2761.7	2591.9	2516.0	2595.5	2691.3
52.5°	2555.8	2431.2	2342.7	2416.7	2537.7
55°	2297.5	2265.0	2162.0	2236.1	2295.7
57.5°	2060.9	2086.2	1974.2	2030.2	2039.2
60°	1838.7	1856.8	1759.2	1806.2	1791.8
62.5°	1612.9	1614.8	1538.9	1566.0	1544.3
65°	1374.5	1361.9	1296.9	1316.7	1295.1
67.5°	1150.6	1121.7	1060.2	1069.3	1049.4
70°	932.0	897.7	839.9	852.5	841.7
72.5°	736.9	709.8	659.3	675.5	686.4
75°	579.8	558.1	520.2	536.4	561.7
77.5°	480.5	453.4	457.0	446.1	464.2
80°	395.6	379.3	393.8	382.9	377.5
82.5°	294.4	310.7	316.1	321.5	294.4
85°	195.1	224.0	234.8	227.6	198.7
87.5°	95.7	121.0	124.6	122.8	103.0
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	21.1	22.9	21.5	23.2	23.5	20.9	22.7	21.3	23.0	23.3
	3H	22.4	24.0	22.8	24.3	24.7	22.1	23.7	22.5	24.0	24.4
	4H	22.8	24.3	23.2	24.6	25.0	22.5	24.0	22.9	24.3	24.7
	6H	23.1	24.5	23.5	24.9	25.3	22.8	24.2	23.3	24.6	25.0
	8H	23.3	24.6	23.7	25.0	25.4	23.0	24.3	23.4	24.7	25.1
	12H	23.4	24.7	23.8	25.0	25.5	23.1	24.4	23.6	24.8	25.2
4H	2H	21.6	23.1	22.0	23.4	23.8	21.4	22.9	21.8	23.3	23.6
	3H	23.0	24.3	23.4	24.6	25.0	22.8	24.0	23.2	24.4	24.8
	4H	23.5	24.6	23.9	25.0	25.5	23.2	24.4	23.7	24.8	25.2
	6H	24.0	25.0	24.4	25.4	25.9	23.7	24.7	24.2	25.2	25.6
	8H	24.2	25.1	24.6	25.6	26.0	24.0	24.9	24.4	25.3	25.8
	12H	24.4	25.2	24.9	25.7	26.2	24.2	25.0	24.7	25.5	26.0
8H	4H	23.7	24.6	24.1	25.1	25.5	23.5	24.4	23.9	24.8	25.3
	6H	24.3	25.1	24.8	25.6	26.0	24.1	24.9	24.6	25.3	25.8
	8H	24.6	25.3	25.1	25.8	26.3	24.4	25.1	24.9	25.6	26.1
	12H	24.9	25.5	25.4	26.0	26.6	24.7	25.4	25.2	25.9	26.4
12H	4H	23.7	24.6	24.2	25.0	25.5	23.5	24.3	24.0	24.8	25.3
	6H	24.4	25.1	24.9	25.5	26.1	24.2	24.9	24.7	25.3	25.9
	8H	24.7	25.4	25.2	25.8	26.4	24.6	25.2	25.1	25.7	26.2













(END OF REPORT)