

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: P1527321

Luminaire Tested: 22CGSB-80-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527321
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

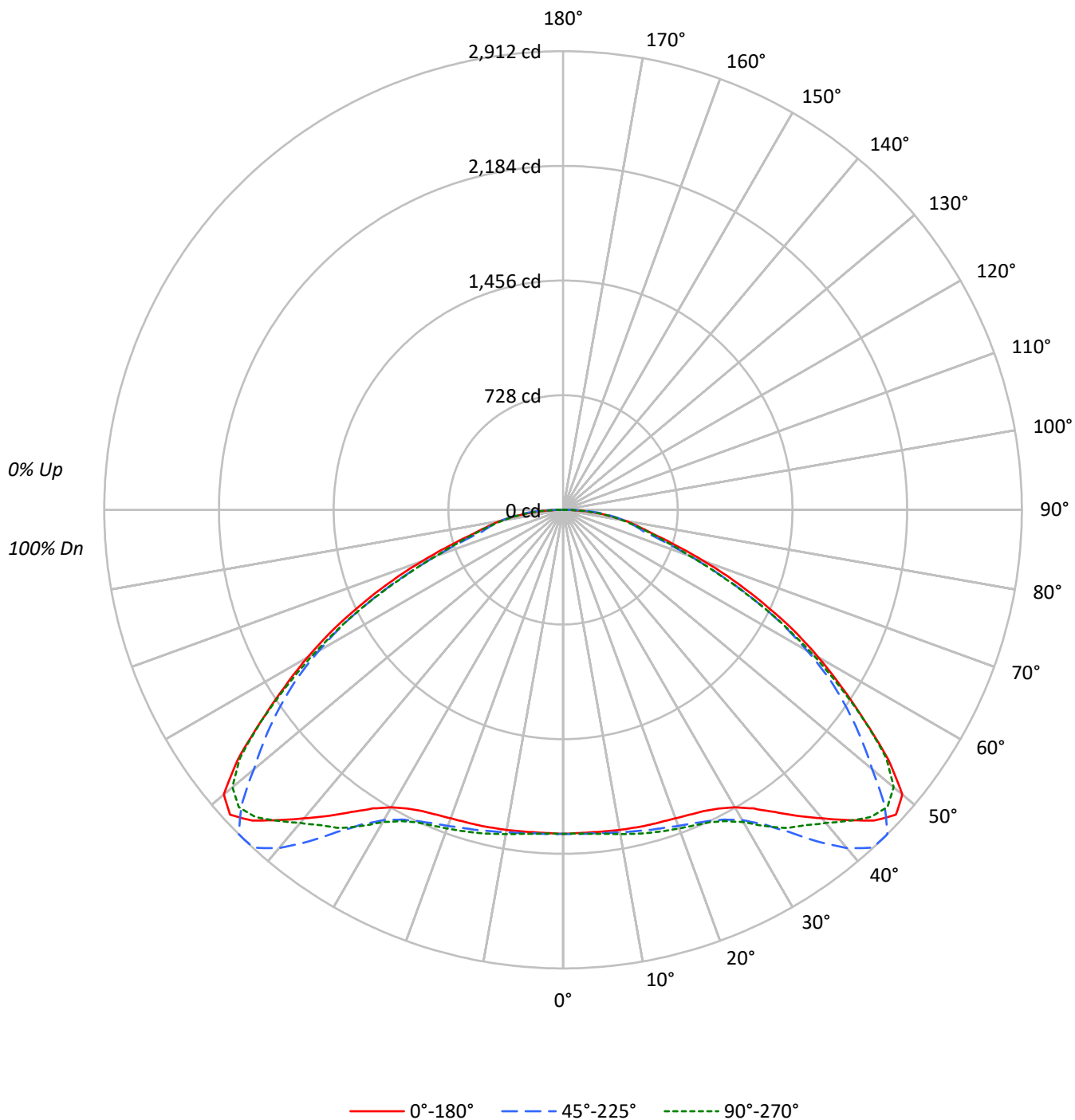
Lumens per Lamp: N/A
Luminaire Lumens: 9732.2 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	5535	5535	5535
5°	5551	5571	5576
10°	5641	5681	5711
15°	5777	5864	5915
20°	5969	6117	6164
25°	6266	6473	6500
30°	6774	7066	7111
35°	7693	8201	8104
40°	8982	9847	9118
45°	10619	11081	10500
50°	11766	10720	11466
55°	10970	10323	10961
60°	10071	9636	9814
65°	8907	8404	8392
70°	7463	6725	6740
75°	6135	5504	5944
80°	6239	6210	5954
85°	6129	7379	6243

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	2.0
10°-20°	596.5	6.1
20°-30°	1008.5	10.4
30°-40°	1550.7	15.9
40°-50°	2155.1	22.1
50°-60°	2028.7	20.8
60°-70°	1339.8	13.8
70°-80°	622.6	6.4
80°-90°	233.0	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°	1802.4	18.5
0°-40°	3353.1	34.5
0°-60°	7536.8	77.4
0°-90°	9732.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9732.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2057	2057	2057	2057	2057	
5°	2055	2061	2062	2066	2064	197
15°	2074	2083	2105	2120	2123	588
25°	2110	2138	2180	2193	2189	982
35°	2342	2425	2496	2487	2467	1482
45°	2790	2890	2912	2842	2759	2135
55°	2338	2305	2200	2276	2336	2095
65°	1399	1386	1320	1340	1318	1389
75°	590	568	529	546	572	660
85°	198	228	239	232	202	217
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2057.0	2057.0	2057.0	2057.0	2057.0
2.5°	2055.1	2058.8	2060.6	2062.5	2057.0
5°	2055.1	2060.6	2062.5	2066.2	2064.3
7.5°	2058.8	2064.3	2069.8	2073.5	2075.3
10°	2064.3	2069.8	2079.0	2090.0	2090.0
12.5°	2068.0	2077.2	2090.0	2104.8	2106.6
15°	2073.5	2082.7	2104.8	2119.5	2123.1
17.5°	2077.2	2091.9	2117.6	2136.0	2137.8
20°	2084.5	2101.1	2136.0	2152.5	2152.5
22.5°	2095.6	2117.6	2154.4	2169.1	2169.1
25°	2110.3	2137.8	2180.1	2193.0	2189.3
27.5°	2137.8	2170.9	2216.9	2231.6	2227.9
30°	2180.1	2224.2	2273.9	2292.3	2288.6
32.5°	2248.1	2303.3	2365.8	2382.3	2380.5
35°	2341.9	2424.6	2496.3	2487.1	2466.9
37.5°	2450.3	2573.5	2654.4	2568.0	2523.9
40°	2557.0	2724.2	2803.3	2663.6	2595.6
42.5°	2670.9	2841.9	2909.9	2773.9	2678.3
45°	2790.4	2889.7	2911.7	2841.9	2759.2
47.5°	2865.8	2814.3	2766.5	2808.8	2792.2
50°	2810.6	2637.8	2560.6	2641.5	2738.9
52.5°	2601.1	2474.2	2384.2	2459.5	2582.7
55°	2338.2	2305.1	2200.3	2275.7	2336.4
57.5°	2097.4	2123.1	2009.2	2066.2	2075.3
60°	1871.3	1889.7	1790.4	1838.2	1823.5
62.5°	1641.5	1643.4	1566.2	1593.7	1571.7
65°	1398.9	1386.0	1319.8	1340.1	1318.0
67.5°	1170.9	1141.5	1079.0	1088.2	1068.0
70°	948.5	913.6	854.8	867.6	856.6
72.5°	750.0	722.4	670.9	687.5	698.5
75°	590.1	568.0	529.4	545.9	571.7
77.5°	489.0	461.4	465.1	454.0	472.4
80°	402.6	386.0	400.7	389.7	384.2
82.5°	299.6	316.2	321.7	327.2	299.6
85°	198.5	227.9	239.0	231.6	202.2
87.5°	97.4	123.2	126.8	125.0	104.8
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	21.2	22.9	21.5	23.2	23.6	21.0	22.8	21.4	23.1	23.4
	3H	22.4	24.0	22.8	24.4	24.7	22.2	23.8	22.5	24.1	24.4
	4H	22.8	24.3	23.2	24.7	25.0	22.6	24.0	22.9	24.4	24.8
	6H	23.2	24.6	23.6	24.9	25.3	22.9	24.3	23.3	24.7	25.0
	8H	23.3	24.7	23.7	25.0	25.4	23.1	24.4	23.5	24.8	25.2
	12H	23.4	24.7	23.9	25.1	25.5	23.2	24.5	23.6	24.9	25.3
4H	2H	21.6	23.1	22.0	23.5	23.8	21.5	23.0	21.9	23.3	23.7
	3H	23.1	24.3	23.5	24.7	25.1	22.8	24.1	23.2	24.5	24.9
	4H	23.6	24.7	24.0	25.1	25.5	23.3	24.4	23.7	24.9	25.3
	6H	24.0	25.0	24.5	25.5	25.9	23.8	24.8	24.2	25.2	25.7
	8H	24.2	25.2	24.7	25.6	26.1	24.0	25.0	24.5	25.4	25.9
	12H	24.4	25.3	24.9	25.7	26.2	24.2	25.1	24.7	25.5	26.0
8H	4H	23.7	24.7	24.2	25.1	25.6	23.5	24.4	24.0	24.9	25.3
	6H	24.3	25.1	24.8	25.6	26.1	24.1	24.9	24.6	25.4	25.9
	8H	24.7	25.4	25.2	25.9	26.3	24.5	25.2	25.0	25.7	26.2
	12H	25.0	25.6	25.5	26.1	26.6	24.8	25.4	25.3	25.9	26.5
12H	4H	23.8	24.6	24.3	25.1	25.6	23.5	24.4	24.0	24.9	25.3
	6H	24.4	25.1	24.9	25.6	26.1	24.2	24.9	24.7	25.4	25.9
	8H	24.8	25.4	25.3	25.9	26.5	24.6	25.3	25.1	25.7	26.3















(END OF REPORT)