

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: P1527318

Luminaire Tested: 22CGSB-80-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527318
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

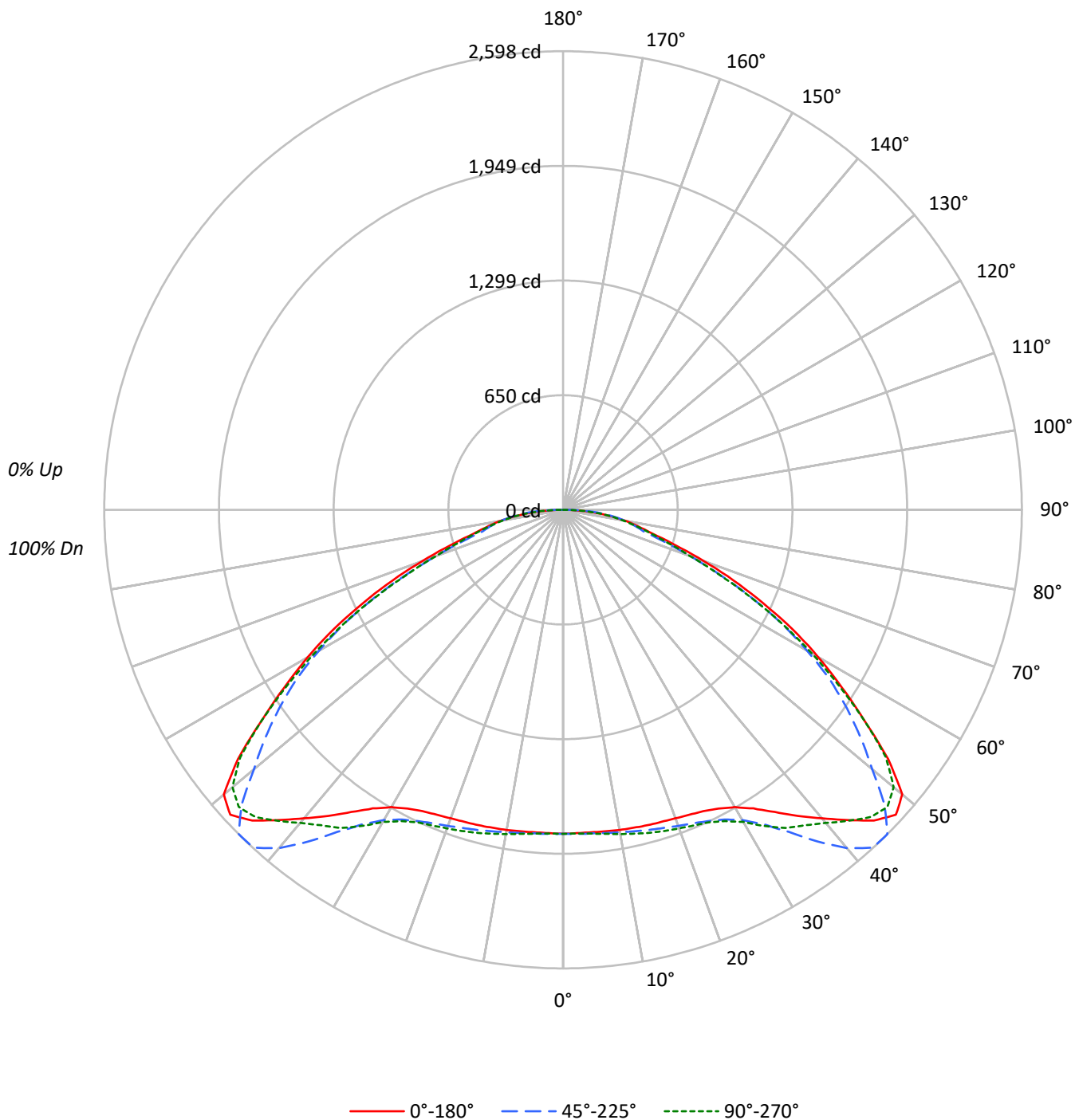
Lumens per Lamp: N/A
Luminaire Lumens: 8681.8 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	4938	4938	4938
5°	4952	4970	4974
10°	5032	5068	5095
15°	5153	5231	5277
20°	5325	5457	5499
25°	5589	5774	5799
30°	6043	6303	6344
35°	6863	7316	7229
40°	8013	8785	8134
45°	9473	9885	9367
50°	10497	9563	10229
55°	9786	9209	9778
60°	8984	8596	8755
65°	7946	7497	7486
70°	6657	5999	6013
75°	5473	4911	5303
80°	5565	5540	5311
85°	5468	6583	5570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10497 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	2.0
10°-20°	532.1	6.1
20°-30°	899.6	10.4
30°-40°	1383.3	15.9
40°-50°	1922.5	22.1
50°-60°	1809.7	20.8
60°-70°	1195.2	13.8
70°-80°	555.4	6.4
80°-90°	207.9	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°	1607.8	18.5
0°-40°	2991.2	34.5
0°-60°	6723.4	77.4
0°-90°	8681.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8681.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1835	1835	1835	1835	1835	
5°	1833	1838	1840	1843	1842	175
15°	1850	1858	1878	1891	1894	525
25°	1882	1907	1945	1956	1953	876
35°	2089	2163	2227	2219	2201	1322
45°	2489	2578	2598	2535	2461	1905
55°	2086	2056	1963	2030	2084	1869
65°	1248	1236	1177	1195	1176	1239
75°	526	507	472	487	510	589
85°	177	203	213	207	180	193
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1835.0	1835.0	1835.0	1835.0	1835.0
2.5°	1833.3	1836.6	1838.2	1839.9	1835.0
5°	1833.3	1838.2	1839.9	1843.2	1841.5
7.5°	1836.6	1841.5	1846.4	1849.7	1851.4
10°	1841.5	1846.4	1854.6	1864.5	1864.5
12.5°	1844.8	1853.0	1864.5	1877.6	1879.2
15°	1849.7	1857.9	1877.6	1890.7	1894.0
17.5°	1853.0	1866.1	1889.1	1905.5	1907.1
20°	1859.6	1874.3	1905.5	1920.2	1920.2
22.5°	1869.4	1889.1	1921.9	1935.0	1935.0
25°	1882.5	1907.1	1944.8	1956.3	1953.0
27.5°	1907.1	1936.6	1977.6	1990.7	1987.5
30°	1944.8	1984.2	2028.5	2044.9	2041.6
32.5°	2005.5	2054.7	2110.4	2125.2	2123.6
35°	2089.1	2162.9	2226.9	2218.7	2200.6
37.5°	2185.9	2295.7	2367.9	2290.8	2251.5
40°	2281.0	2430.2	2500.7	2376.1	2315.4
42.5°	2382.7	2535.2	2595.8	2474.5	2389.2
45°	2489.2	2577.8	2597.5	2535.2	2461.4
47.5°	2556.5	2510.6	2467.9	2505.6	2490.9
50°	2507.3	2353.1	2284.3	2356.4	2443.3
52.5°	2320.3	2207.2	2126.8	2194.1	2303.9
55°	2085.8	2056.3	1962.9	2030.1	2084.2
57.5°	1871.0	1894.0	1792.3	1843.2	1851.4
60°	1669.3	1685.7	1597.2	1639.8	1626.7
62.5°	1464.4	1466.0	1397.1	1421.7	1402.0
65°	1247.9	1236.4	1177.4	1195.4	1175.7
67.5°	1044.6	1018.3	962.6	970.8	952.7
70°	846.1	815.0	762.5	774.0	764.2
72.5°	669.0	644.4	598.5	613.3	623.1
75°	526.4	506.7	472.3	487.0	510.0
77.5°	436.2	411.6	414.9	405.0	421.4
80°	359.1	344.4	357.5	347.6	342.7
82.5°	267.3	282.0	287.0	291.9	267.3
85°	177.1	203.3	213.2	206.6	180.4
87.5°	86.9	109.9	113.1	111.5	93.5
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	20.8	22.5	21.1	22.8	23.2	20.6	22.4	21.0	22.7	23.0
	3H	22.0	23.6	22.4	24.0	24.3	21.8	23.4	22.1	23.7	24.0
	4H	22.4	23.9	22.8	24.3	24.7	22.2	23.7	22.6	24.0	24.4
	6H	22.8	24.2	23.2	24.5	24.9	22.5	23.9	22.9	24.3	24.6
	8H	22.9	24.3	23.4	24.6	25.0	22.7	24.0	23.1	24.4	24.8
	12H	23.0	24.3	23.5	24.7	25.1	22.8	24.1	23.2	24.5	24.9
4H	2H	21.2	22.7	21.6	23.1	23.4	21.1	22.6	21.5	22.9	23.3
	3H	22.7	23.9	23.1	24.3	24.7	22.4	23.7	22.8	24.1	24.5
	4H	23.2	24.3	23.6	24.7	25.1	22.9	24.0	23.3	24.5	24.9
	6H	23.6	24.6	24.1	25.1	25.5	23.4	24.4	23.9	24.8	25.3
	8H	23.9	24.8	24.3	25.2	25.7	23.6	24.6	24.1	25.0	25.5
	12H	24.0	24.9	24.5	25.4	25.8	23.8	24.7	24.3	25.2	25.6
8H	4H	23.3	24.3	23.8	24.7	25.2	23.1	24.0	23.6	24.5	25.0
	6H	24.0	24.7	24.4	25.2	25.7	23.7	24.5	24.2	25.0	25.5
	8H	24.3	25.0	24.8	25.5	26.0	24.1	24.8	24.6	25.3	25.8
	12H	24.6	25.2	25.1	25.7	26.2	24.4	25.0	24.9	25.5	26.1
12H	4H	23.4	24.2	23.9	24.7	25.2	23.2	24.0	23.6	24.5	24.9
	6H	24.0	24.7	24.5	25.2	25.7	23.8	24.5	24.3	25.0	25.5
	8H	24.4	25.0	24.9	25.5	26.1	24.2	24.9	24.7	25.3	25.9















(END OF REPORT)