

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: P1527302

Luminaire Tested: 22CGSB-60-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527302
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-60-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

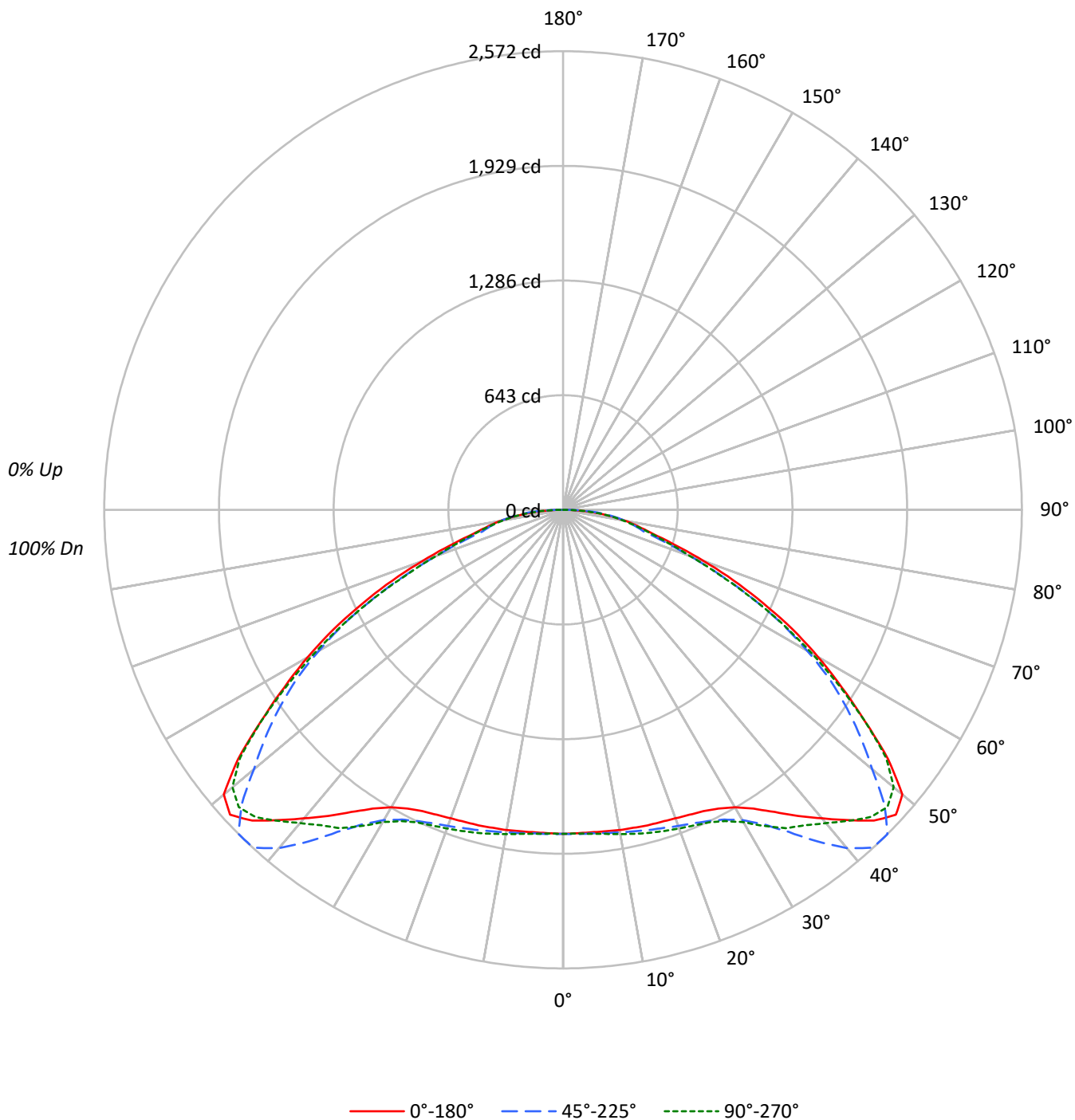
Lumens per Lamp: N/A
Luminaire Lumens: 8596.2 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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°	4889	4889	4889
5°	4903	4921	4925
10°	4982	5018	5044
15°	5102	5179	5224
20°	5273	5403	5445
25°	5534	5717	5742
30°	5983	6241	6281
35°	6795	7243	7158
40°	7934	8698	8053
45°	9380	9788	9275
50°	10393	9468	10128
55°	9690	9118	9682
60°	8896	8511	8669
65°	7868	7423	7413
70°	6592	5940	5953
75°	5419	4862	5251
80°	5511	5486	5258
85°	5416	6518	5514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	2.0
10°-20°	526.9	6.1
20°-30°	890.8	10.4
30°-40°	1369.7	15.9
40°-50°	1903.6	22.1
50°-60°	1791.9	20.8
60°-70°	1183.4	13.8
70°-80°	549.9	6.4
80°-90°	205.8	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°	1592.0	18.5
0°-40°	2961.7	34.5
0°-60°	6657.1	77.4
0°-90°	8596.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8596.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1817	1817	1817	1817	1817	
5°	1815	1820	1822	1825	1823	174
15°	1832	1840	1859	1872	1875	519
25°	1864	1888	1926	1937	1934	867
35°	2068	2142	2205	2197	2179	1309
45°	2465	2552	2572	2510	2437	1886
55°	2065	2036	1944	2010	2064	1851
65°	1236	1224	1166	1184	1164	1227
75°	521	502	468	482	505	583
85°	175	201	211	205	179	192
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1816.9	1816.9	1816.9	1816.9	1816.9
2.5°	1815.2	1818.5	1820.1	1821.7	1816.9
5°	1815.2	1820.1	1821.7	1825.0	1823.4
7.5°	1818.5	1823.4	1828.2	1831.5	1833.1
10°	1823.4	1828.2	1836.3	1846.1	1846.1
12.5°	1826.6	1834.7	1846.1	1859.1	1860.7
15°	1831.5	1839.6	1859.1	1872.1	1875.3
17.5°	1834.7	1847.7	1870.4	1886.7	1888.3
20°	1841.2	1855.8	1886.7	1901.3	1901.3
22.5°	1851.0	1870.4	1902.9	1915.9	1915.9
25°	1863.9	1888.3	1925.6	1937.0	1933.8
27.5°	1888.3	1917.5	1958.1	1971.1	1967.9
30°	1925.6	1964.6	2008.4	2024.7	2021.4
32.5°	1985.7	2034.4	2089.6	2104.2	2102.6
35°	2068.5	2141.6	2204.9	2196.8	2178.9
37.5°	2164.3	2273.1	2344.5	2268.2	2229.3
40°	2258.5	2406.2	2476.1	2352.7	2292.6
42.5°	2359.2	2510.2	2570.2	2450.1	2365.6
45°	2464.7	2552.4	2571.9	2510.2	2437.1
47.5°	2531.3	2485.8	2443.6	2480.9	2466.3
50°	2482.6	2329.9	2261.7	2333.2	2419.2
52.5°	2297.5	2185.4	2105.9	2172.4	2281.2
55°	2065.3	2036.0	1943.5	2010.1	2063.7
57.5°	1852.6	1875.3	1774.6	1825.0	1833.1
60°	1652.9	1669.1	1581.4	1623.6	1610.7
62.5°	1449.9	1451.5	1383.3	1407.7	1388.2
65°	1235.6	1224.2	1165.8	1183.6	1164.2
67.5°	1034.3	1008.3	953.1	961.2	943.3
70°	837.8	807.0	755.0	766.4	756.6
72.5°	662.4	638.1	592.6	607.2	617.0
75°	521.2	501.7	467.6	482.2	505.0
77.5°	431.9	407.5	410.8	401.0	417.3
80°	355.6	341.0	354.0	344.2	339.3
82.5°	264.7	279.3	284.1	289.0	264.7
85°	175.4	201.3	211.1	204.6	178.6
87.5°	86.1	108.8	112.0	110.4	92.5
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	20.7	22.5	21.1	22.8	23.1	20.6	22.3	20.9	22.6	23.0
	3H	22.0	23.6	22.4	23.9	24.3	21.7	23.3	22.1	23.6	24.0
	4H	22.4	23.9	22.8	24.2	24.6	22.1	23.6	22.5	24.0	24.3
	6H	22.7	24.1	23.2	24.5	24.9	22.5	23.9	22.9	24.2	24.6
	8H	22.9	24.2	23.3	24.6	25.0	22.6	24.0	23.1	24.3	24.7
	12H	23.0	24.3	23.4	24.7	25.1	22.8	24.0	23.2	24.4	24.9
4H	2H	21.2	22.7	21.6	23.0	23.4	21.0	22.5	21.4	22.9	23.3
	3H	22.6	23.9	23.0	24.3	24.7	22.4	23.6	22.8	24.0	24.4
	4H	23.1	24.3	23.6	24.7	25.1	22.9	24.0	23.3	24.4	24.9
	6H	23.6	24.6	24.1	25.0	25.5	23.4	24.4	23.8	24.8	25.3
	8H	23.8	24.7	24.3	25.2	25.7	23.6	24.5	24.1	25.0	25.4
	12H	24.0	24.8	24.5	25.3	25.8	23.8	24.6	24.3	25.1	25.6
8H	4H	23.3	24.2	23.8	24.7	25.1	23.1	24.0	23.5	24.5	24.9
	6H	23.9	24.7	24.4	25.2	25.7	23.7	24.5	24.2	25.0	25.5
	8H	24.2	24.9	24.7	25.4	25.9	24.1	24.8	24.6	25.3	25.7
	12H	24.5	25.1	25.0	25.6	26.2	24.4	25.0	24.9	25.5	26.0
12H	4H	23.3	24.2	23.8	24.7	25.1	23.1	24.0	23.6	24.4	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	26.0	24.2	24.8	24.7	25.3	25.9













(END OF REPORT)