

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: P1527306

Luminaire Tested: 22CGSB-60-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527306
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

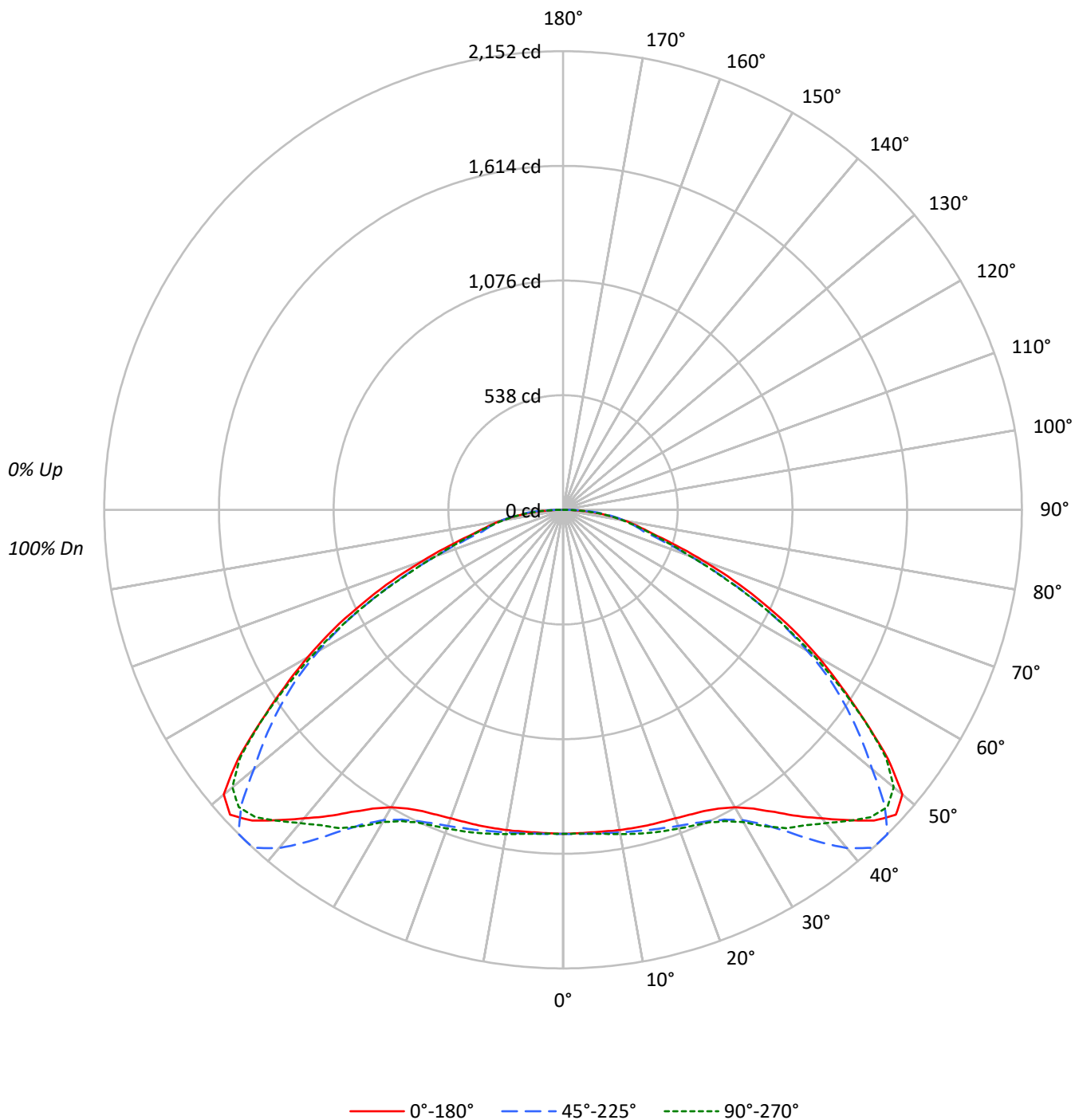
Lumens per Lamp: N/A
Luminaire Lumens: 7193.3 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4091	4091	4091
5°	4103	4118	4122
10°	4169	4199	4221
15°	4270	4334	4372
20°	4412	4521	4556
25°	4631	4785	4805
30°	5007	5222	5256
35°	5686	6061	5990
40°	6639	7279	6739
45°	7849	8190	7761
50°	8697	7923	8475
55°	8108	7630	8102
60°	7444	7122	7254
65°	6583	6211	6203
70°	5516	4971	4981
75°	4534	4068	4393
80°	4610	4590	4401
85°	4529	5453	4616

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8697 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	2.0
10°-20°	440.9	6.1
20°-30°	745.4	10.4
30°-40°	1146.1	15.9
40°-50°	1592.9	22.1
50°-60°	1499.4	20.8
60°-70°	990.3	13.8
70°-80°	460.2	6.4
80°-90°	172.2	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°	1332.2	18.5
0°-40°	2478.3	34.5
0°-60°	5570.6	77.4
0°-90°	7193.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7193.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1520	1520	1520	1520	1520	
5°	1519	1523	1524	1527	1526	145
15°	1533	1539	1556	1566	1569	435
25°	1560	1580	1611	1621	1618	726
35°	1731	1792	1845	1838	1823	1096
45°	2062	2136	2152	2100	2039	1578
55°	1728	1704	1626	1682	1727	1548
65°	1034	1024	976	990	974	1027
75°	436	420	391	404	422	488
85°	147	168	177	171	150	160
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1520.3	1520.3	1520.3	1520.3	1520.3
2.5°	1519.0	1521.7	1523.1	1524.4	1520.3
5°	1519.0	1523.1	1524.4	1527.1	1525.8
7.5°	1521.7	1525.8	1529.8	1532.6	1533.9
10°	1525.8	1529.8	1536.6	1544.8	1544.8
12.5°	1528.5	1535.3	1544.8	1555.7	1557.0
15°	1532.6	1539.4	1555.7	1566.5	1569.2
17.5°	1535.3	1546.2	1565.2	1578.8	1580.1
20°	1540.7	1552.9	1578.8	1591.0	1591.0
22.5°	1548.9	1565.2	1592.3	1603.2	1603.2
25°	1559.7	1580.1	1611.4	1620.9	1618.2
27.5°	1580.1	1604.6	1638.5	1649.4	1646.7
30°	1611.4	1644.0	1680.7	1694.2	1691.5
32.5°	1661.6	1702.4	1748.6	1760.8	1759.5
35°	1730.9	1792.1	1845.1	1838.3	1823.3
37.5°	1811.1	1902.1	1961.9	1898.0	1865.4
40°	1889.9	2013.5	2072.0	1968.7	1918.4
42.5°	1974.1	2100.5	2150.8	2050.2	1979.6
45°	2062.4	2135.8	2152.1	2100.5	2039.3
47.5°	2118.1	2080.1	2044.8	2076.0	2063.8
50°	2077.4	1949.7	1892.6	1952.4	2024.4
52.5°	1922.5	1828.8	1762.2	1817.9	1908.9
55°	1728.2	1703.8	1626.3	1682.0	1726.9
57.5°	1550.2	1569.2	1485.0	1527.1	1533.9
60°	1383.1	1396.7	1323.3	1358.7	1347.8
62.5°	1213.3	1214.6	1157.6	1178.0	1161.7
65°	1033.9	1024.4	975.5	990.5	974.2
67.5°	865.5	843.7	797.5	804.3	789.4
70°	701.1	675.3	631.8	641.3	633.1
72.5°	554.3	534.0	495.9	508.1	516.3
75°	436.1	419.8	391.3	403.5	422.5
77.5°	361.4	341.0	343.7	335.6	349.2
80°	297.5	285.3	296.2	288.0	284.0
82.5°	221.5	233.7	237.8	241.8	221.5
85°	146.7	168.5	176.6	171.2	149.5
87.5°	72.0	91.0	93.7	92.4	77.4
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	20.1	21.9	20.5	22.2	22.5	19.9	21.7	20.3	22.0	22.3
	3H	21.4	23.0	21.8	23.3	23.7	21.1	22.7	21.5	23.0	23.4
	4H	21.8	23.3	22.2	23.6	24.0	21.5	23.0	21.9	23.3	23.7
	6H	22.1	23.5	22.5	23.9	24.3	21.9	23.2	22.3	23.6	24.0
	8H	22.3	23.6	22.7	24.0	24.4	22.0	23.3	22.4	23.7	24.1
	12H	22.4	23.7	22.8	24.1	24.5	22.1	23.4	22.6	23.8	24.2
4H	2H	20.6	22.1	21.0	22.4	22.8	20.4	21.9	20.8	22.3	22.6
	3H	22.0	23.3	22.4	23.7	24.1	21.8	23.0	22.2	23.4	23.8
	4H	22.5	23.6	22.9	24.0	24.5	22.3	23.4	22.7	23.8	24.2
	6H	23.0	24.0	23.4	24.4	24.9	22.7	23.7	23.2	24.2	24.6
	8H	23.2	24.1	23.7	24.6	25.0	23.0	23.9	23.4	24.3	24.8
	12H	23.4	24.2	23.9	24.7	25.2	23.2	24.0	23.7	24.5	25.0
8H	4H	22.7	23.6	23.1	24.1	24.5	22.5	23.4	22.9	23.8	24.3
	6H	23.3	24.1	23.8	24.6	25.0	23.1	23.9	23.6	24.4	24.8
	8H	23.6	24.3	24.1	24.8	25.3	23.4	24.1	23.9	24.6	25.1
	12H	23.9	24.5	24.4	25.0	25.6	23.8	24.4	24.3	24.9	25.4
12H	4H	22.7	23.6	23.2	24.0	24.5	22.5	23.3	23.0	23.8	24.3
	6H	23.4	24.1	23.9	24.5	25.1	23.2	23.9	23.7	24.3	24.9
	8H	23.7	24.4	24.2	24.9	25.4	23.6	24.2	24.1	24.7	25.2















(END OF REPORT)