

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: P1527307

Luminaire Tested: 22CGSB-60-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527307
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

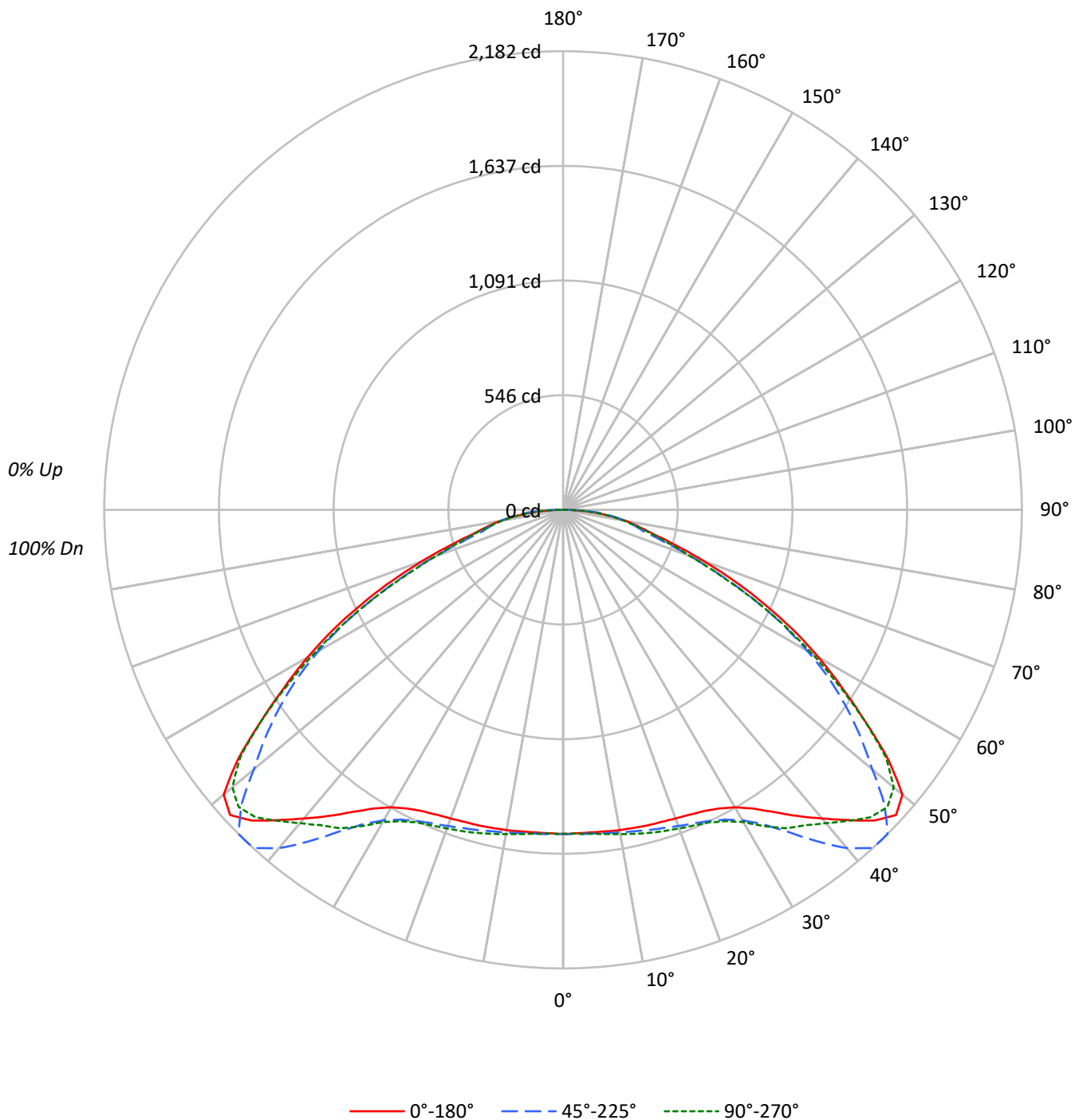
Lumens per Lamp: N/A
Luminaire Lumens: 7294.4 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	4149	4149	4149
5°	4161	4176	4179
10°	4228	4258	4280
15°	4330	4395	4433
20°	4474	4585	4620
25°	4696	4852	4872
30°	5077	5296	5330
35°	5766	6146	6074
40°	6732	7381	6834
45°	7959	8305	7870
50°	8819	8035	8594
55°	8222	7737	8215
60°	7549	7222	7356
65°	6676	6299	6290
70°	5593	5041	5051
75°	4599	4126	4455
80°	4675	4655	4463
85°	4594	5530	4681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8819 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	2.0
10°-20°	447.1	6.1
20°-30°	755.9	10.4
30°-40°	1162.3	15.9
40°-50°	1615.3	22.1
50°-60°	1520.5	20.8
60°-70°	1004.2	13.8
70°-80°	466.6	6.4
80°-90°	174.7	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°	1350.9	18.5
0°-40°	2513.2	34.5
0°-60°	5648.9	77.4
0°-90°	7294.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7294.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1540	1544	1546	1549	1547	147
15°	1554	1561	1578	1589	1591	441
25°	1582	1602	1634	1644	1641	736
35°	1755	1817	1871	1864	1849	1111
45°	2091	2166	2182	2130	2068	1600
55°	1752	1728	1649	1706	1751	1570
65°	1048	1039	989	1004	988	1041
75°	442	426	397	409	428	495
85°	149	171	179	174	152	163
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1541.7	1541.7	1541.7	1541.7	1541.7
2.5°	1540.3	1543.1	1544.5	1545.8	1541.7
5°	1540.3	1544.5	1545.8	1548.6	1547.2
7.5°	1543.1	1547.2	1551.4	1554.1	1555.5
10°	1547.2	1551.4	1558.2	1566.5	1566.5
12.5°	1550.0	1556.9	1566.5	1577.5	1578.9
15°	1554.1	1561.0	1577.5	1588.6	1591.3
17.5°	1556.9	1567.9	1587.2	1601.0	1602.3
20°	1562.4	1574.8	1601.0	1613.4	1613.4
22.5°	1570.6	1587.2	1614.7	1625.8	1625.8
25°	1581.7	1602.3	1634.0	1643.7	1640.9
27.5°	1602.3	1627.1	1661.6	1672.6	1669.8
30°	1634.0	1667.1	1704.3	1718.1	1715.3
32.5°	1685.0	1726.3	1773.2	1785.6	1784.2
35°	1755.3	1817.3	1871.0	1864.1	1848.9
37.5°	1836.5	1928.9	1989.5	1924.7	1891.7
40°	1916.5	2041.8	2101.1	1996.4	1945.4
42.5°	2001.9	2130.0	2181.0	2079.0	2007.4
45°	2091.4	2165.8	2182.4	2130.0	2068.0
47.5°	2147.9	2109.3	2073.5	2105.2	2092.8
50°	2106.6	1977.1	1919.2	1979.8	2052.9
52.5°	1949.5	1854.5	1787.0	1843.4	1935.7
55°	1752.5	1727.7	1649.2	1705.7	1751.1
57.5°	1572.0	1591.3	1505.9	1548.6	1555.5
60°	1402.6	1416.3	1341.9	1377.8	1366.7
62.5°	1230.3	1231.7	1173.8	1194.5	1178.0
65°	1048.5	1038.8	989.2	1004.4	987.9
67.5°	877.6	855.6	808.7	815.6	800.5
70°	710.9	684.7	640.7	650.3	642.0
72.5°	562.1	541.5	502.9	515.3	523.5
75°	442.3	425.7	396.8	409.2	428.5
77.5°	366.5	345.8	348.6	340.3	354.1
80°	301.7	289.3	300.4	292.1	288.0
82.5°	224.6	237.0	241.1	245.2	224.6
85°	148.8	170.8	179.1	173.6	151.6
87.5°	73.0	92.3	95.1	93.7	78.5
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	20.2	21.9	20.5	22.2	22.5	20.0	21.8	20.4	22.1	22.4
	3H	21.4	23.0	21.8	23.4	23.7	21.2	22.8	21.5	23.1	23.4
	4H	21.8	23.3	22.2	23.7	24.0	21.5	23.0	21.9	23.4	23.8
	6H	22.2	23.6	22.6	23.9	24.3	21.9	23.3	22.3	23.7	24.0
	8H	22.3	23.7	22.7	24.0	24.4	22.1	23.4	22.5	23.8	24.2
	12H	22.4	23.7	22.9	24.1	24.5	22.2	23.5	22.6	23.9	24.3
4H	2H	20.6	22.1	21.0	22.5	22.8	20.5	22.0	20.9	22.3	22.7
	3H	22.1	23.3	22.5	23.7	24.1	21.8	23.1	22.2	23.5	23.9
	4H	22.6	23.7	23.0	24.1	24.5	22.3	23.4	22.7	23.8	24.3
	6H	23.0	24.0	23.5	24.5	24.9	22.8	23.8	23.2	24.2	24.7
	8H	23.2	24.2	23.7	24.6	25.1	23.0	24.0	23.5	24.4	24.9
	12H	23.4	24.3	23.9	24.7	25.2	23.2	24.1	23.7	24.5	25.0
8H	4H	22.7	23.7	23.2	24.1	24.6	22.5	23.4	23.0	23.9	24.3
	6H	23.3	24.1	23.8	24.6	25.1	23.1	23.9	23.6	24.4	24.9
	8H	23.7	24.4	24.2	24.9	25.3	23.5	24.2	24.0	24.7	25.2
	12H	24.0	24.6	24.5	25.1	25.6	23.8	24.4	24.3	24.9	25.5
12H	4H	22.8	23.6	23.2	24.1	24.6	22.5	23.4	23.0	23.9	24.3
	6H	23.4	24.1	23.9	24.6	25.1	23.2	23.9	23.7	24.4	24.9
	8H	23.8	24.4	24.3	24.9	25.5	23.6	24.2	24.1	24.7	25.3















(END OF REPORT)