

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: P1527300

Luminaire Tested: 22CGSB-55-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527300
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-55-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

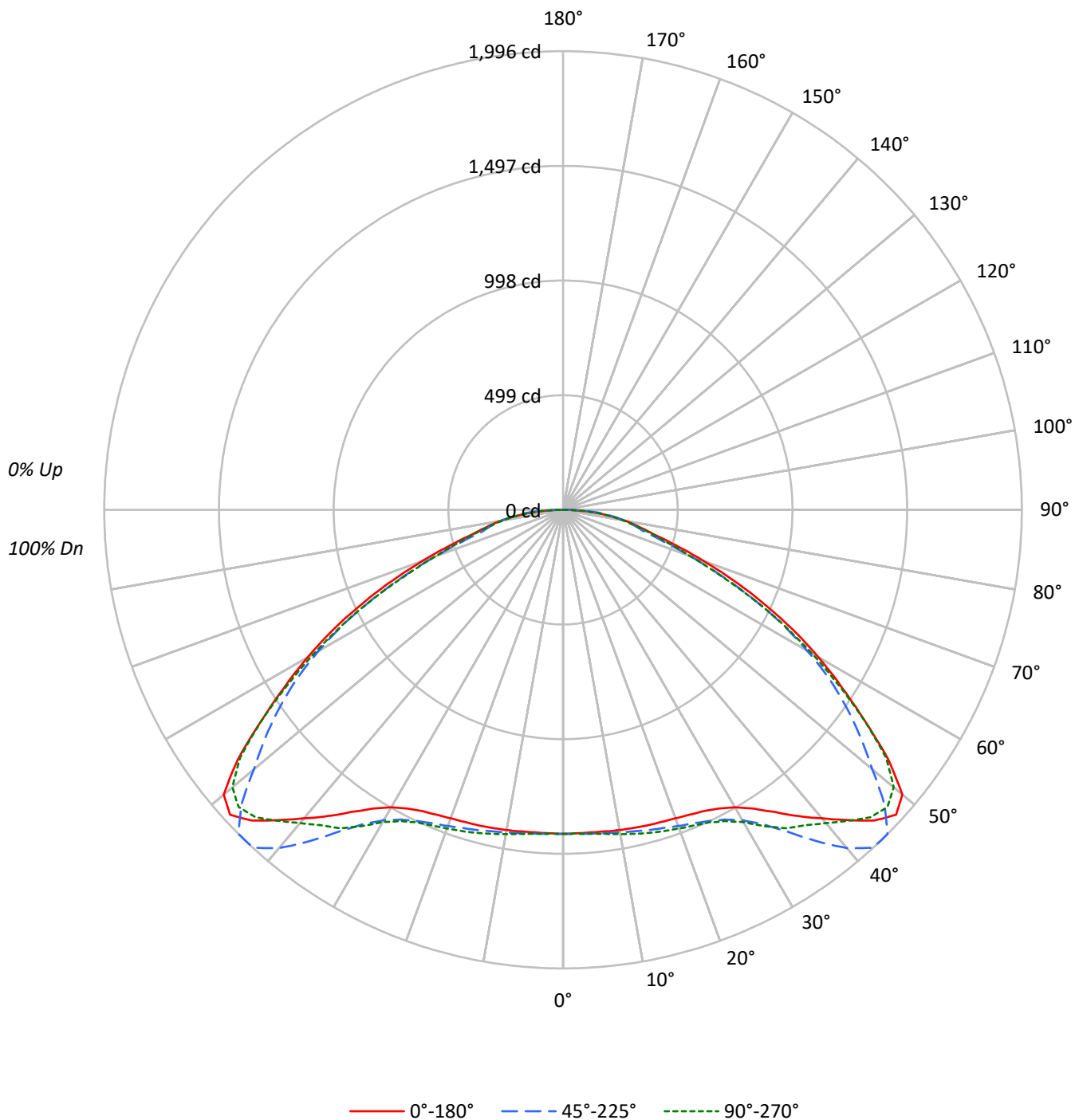
Lumens per Lamp: N/A
Luminaire Lumens: 6672.1 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.2
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°	3795	3795	3795
5°	3806	3820	3823
10°	3867	3895	3915
15°	3960	4020	4055
20°	4092	4194	4226
25°	4295	4438	4456
30°	4644	4844	4875
35°	5274	5622	5556
40°	6158	6751	6251
45°	7280	7597	7199
50°	8067	7349	7861
55°	7521	7077	7515
60°	6905	6606	6729
65°	6106	5761	5754
70°	5116	4611	4621
75°	4206	3773	4075
80°	4277	4257	4082
85°	4202	5057	4279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8067 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	2.0
10°-20°	408.9	6.1
20°-30°	691.4	10.4
30°-40°	1063.1	15.9
40°-50°	1477.5	22.1
50°-60°	1390.8	20.8
60°-70°	918.5	13.8
70°-80°	426.8	6.4
80°-90°	159.8	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°	1235.6	18.5
0°-40°	2298.8	34.5
0°-60°	5167.1	77.4
0°-90°	6672.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6672.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1409	1413	1414	1416	1415	135
15°	1422	1428	1443	1453	1456	403
25°	1447	1466	1495	1504	1501	673
35°	1606	1662	1711	1705	1691	1016
45°	1913	1981	1996	1948	1892	1464
55°	1603	1580	1508	1560	1602	1436
65°	959	950	905	919	904	952
75°	404	389	363	374	392	453
85°	136	156	164	159	139	149
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1410.2	1410.2	1410.2	1410.2	1410.2
2.5°	1408.9	1411.5	1412.7	1414.0	1410.2
5°	1408.9	1412.7	1414.0	1416.5	1415.2
7.5°	1411.5	1415.2	1419.0	1421.5	1422.8
10°	1415.2	1419.0	1425.3	1432.9	1432.9
12.5°	1417.8	1424.1	1432.9	1443.0	1444.2
15°	1421.5	1427.8	1443.0	1453.0	1455.6
17.5°	1424.1	1434.1	1451.8	1464.4	1465.7
20°	1429.1	1440.4	1464.4	1475.7	1475.7
22.5°	1436.7	1451.8	1477.0	1487.1	1487.1
25°	1446.7	1465.7	1494.6	1503.5	1500.9
27.5°	1465.7	1488.3	1519.8	1529.9	1527.4
30°	1494.6	1524.9	1558.9	1571.5	1569.0
32.5°	1541.3	1579.1	1621.9	1633.3	1632.0
35°	1605.5	1662.2	1711.4	1705.1	1691.2
37.5°	1679.9	1764.3	1819.8	1760.5	1730.3
40°	1753.0	1867.7	1921.9	1826.1	1779.4
42.5°	1831.1	1948.3	1994.9	1901.7	1836.2
45°	1913.0	1981.1	1996.2	1948.3	1891.6
47.5°	1964.7	1929.4	1896.7	1925.6	1914.3
50°	1926.9	1808.4	1755.5	1811.0	1877.7
52.5°	1783.2	1696.3	1634.5	1686.2	1770.6
55°	1603.0	1580.3	1508.5	1560.2	1601.8
57.5°	1437.9	1455.6	1377.4	1416.5	1422.8
60°	1282.9	1295.5	1227.5	1260.2	1250.2
62.5°	1125.4	1126.6	1073.7	1092.6	1077.5
65°	959.0	950.2	904.8	918.7	903.6
67.5°	802.8	782.6	739.8	746.1	732.2
70°	650.3	626.3	586.0	594.8	587.3
72.5°	514.2	495.3	460.0	471.3	478.9
75°	404.5	389.4	362.9	374.3	391.9
77.5°	335.2	316.3	318.8	311.3	323.9
80°	276.0	264.6	274.7	267.2	263.4
82.5°	205.4	216.8	220.5	224.3	205.4
85°	136.1	156.3	163.8	158.8	138.6
87.5°	66.8	84.4	87.0	85.7	71.8
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	19.9	21.6	20.2	21.9	22.2	19.7	21.4	20.1	21.8	22.1
	3H	21.1	22.7	21.5	23.0	23.4	20.9	22.4	21.2	22.8	23.1
	4H	21.5	23.0	21.9	23.4	23.7	21.2	22.7	21.6	23.1	23.5
	6H	21.9	23.3	22.3	23.6	24.0	21.6	23.0	22.0	23.3	23.7
	8H	22.0	23.3	22.4	23.7	24.1	21.8	23.1	22.2	23.5	23.9
	12H	22.1	23.4	22.6	23.8	24.2	21.9	23.2	22.3	23.5	24.0
4H	2H	20.3	21.8	20.7	22.1	22.5	20.2	21.7	20.6	22.0	22.4
	3H	21.7	23.0	22.2	23.4	23.8	21.5	22.8	21.9	23.2	23.6
	4H	22.2	23.4	22.7	23.8	24.2	22.0	23.1	22.4	23.5	24.0
	6H	22.7	23.7	23.2	24.2	24.6	22.5	23.5	22.9	23.9	24.4
	8H	22.9	23.9	23.4	24.3	24.8	22.7	23.6	23.2	24.1	24.6
	12H	23.1	24.0	23.6	24.4	24.9	22.9	23.8	23.4	24.2	24.7
8H	4H	22.4	23.4	22.9	23.8	24.3	22.2	23.1	22.7	23.6	24.0
	6H	23.0	23.8	23.5	24.3	24.8	22.8	23.6	23.3	24.1	24.6
	8H	23.3	24.0	23.9	24.6	25.0	23.2	23.9	23.7	24.4	24.9
	12H	23.6	24.3	24.1	24.8	25.3	23.5	24.1	24.0	24.6	25.2
12H	4H	22.5	23.3	22.9	23.8	24.2	22.2	23.1	22.7	23.6	24.0
	6H	23.1	23.8	23.6	24.3	24.8	22.9	23.6	23.4	24.1	24.6
	8H	23.5	24.1	24.0	24.6	25.2	23.3	23.9	23.8	24.4	25.0













(END OF REPORT)