

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: P1527274

Luminaire Tested: 22CGSB-40-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527274
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-40-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

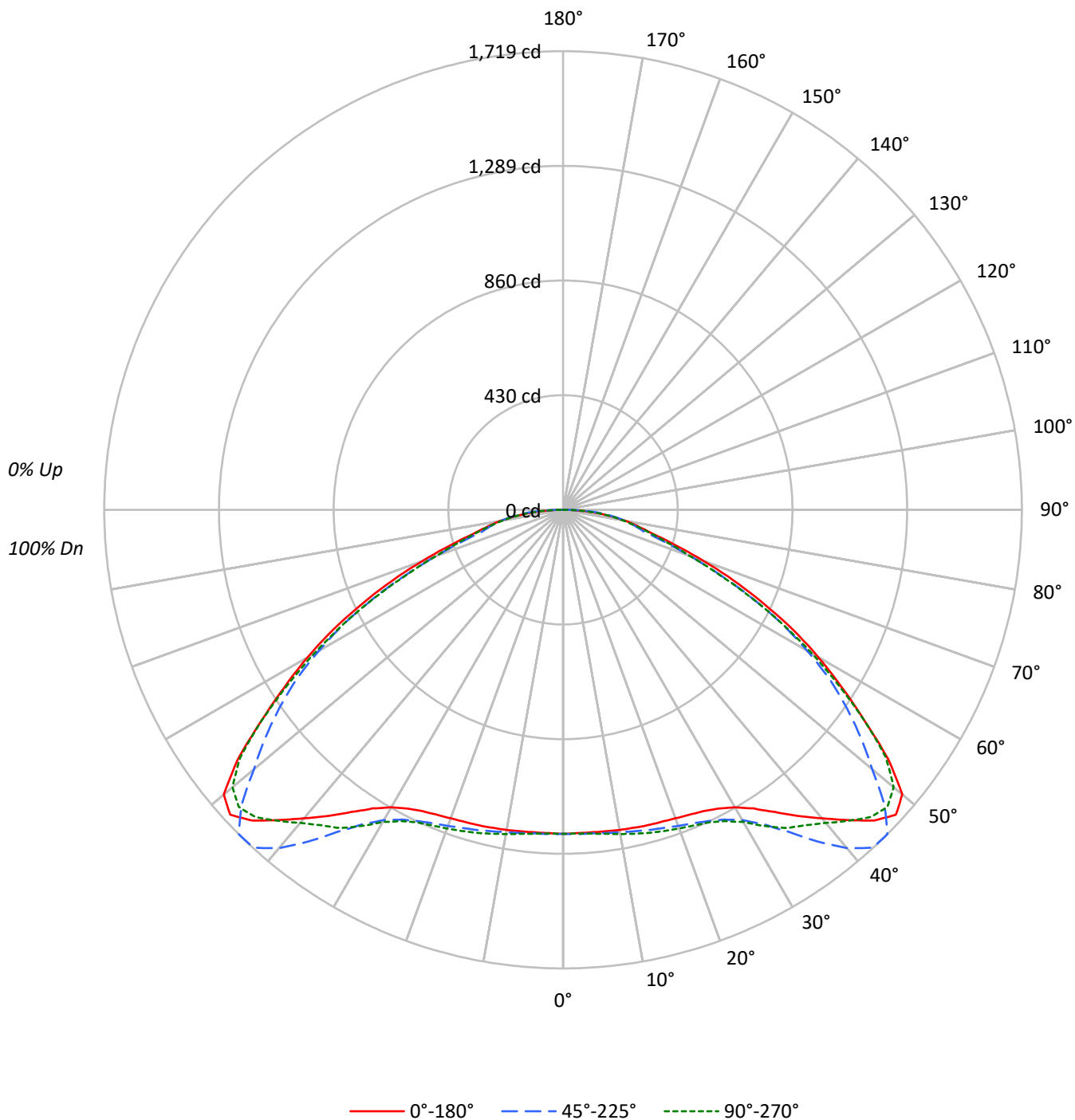
Lumens per Lamp: N/A
Luminaire Lumens: 5744.8 lumens
Efficiency: N/A
Efficacy: 170.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.8
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3267	3267	3267
5°	3277	3289	3291
10°	3330	3353	3371
15°	3410	3461	3492
20°	3524	3611	3639
25°	3699	3821	3837
30°	3999	4171	4198
35°	4541	4841	4784
40°	5302	5813	5382
45°	6268	6541	6198
50°	6946	6328	6769
55°	6475	6093	6470
60°	5945	5688	5793
65°	5258	4961	4954
70°	4405	3970	3978
75°	3621	3249	3509
80°	3682	3665	3515
85°	3619	4357	3687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 6946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	2.0
10°-20°	352.1	6.1
20°-30°	595.3	10.4
30°-40°	915.3	15.9
40°-50°	1272.1	22.1
50°-60°	1197.5	20.8
60°-70°	790.9	13.8
70°-80°	367.5	6.4
80°-90°	137.5	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°	1063.9	18.5
0°-40°	1979.2	34.5
0°-60°	4448.9	77.4
0°-90°	5744.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5744.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1213	1216	1217	1220	1218	116
15°	1224	1229	1242	1251	1253	347
25°	1246	1262	1287	1294	1292	580
35°	1382	1431	1474	1468	1456	875
45°	1647	1706	1719	1678	1629	1260
55°	1380	1361	1299	1343	1379	1237
65°	826	818	779	791	778	820
75°	348	335	312	322	338	390
85°	117	134	141	137	119	128
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.2	1214.2	1214.2	1214.2	1214.2
2.5°	1213.1	1215.3	1216.4	1217.4	1214.2
5°	1213.1	1216.4	1217.4	1219.6	1218.5
7.5°	1215.3	1218.5	1221.8	1224.0	1225.0
10°	1218.5	1221.8	1227.2	1233.7	1233.7
12.5°	1220.7	1226.1	1233.7	1242.4	1243.5
15°	1224.0	1229.4	1242.4	1251.1	1253.3
17.5°	1226.1	1234.8	1250.0	1260.8	1261.9
20°	1230.5	1240.2	1260.8	1270.6	1270.6
22.5°	1237.0	1250.0	1271.7	1280.4	1280.4
25°	1245.7	1261.9	1286.9	1294.5	1292.3
27.5°	1261.9	1281.5	1308.6	1317.3	1315.1
30°	1286.9	1312.9	1342.2	1353.1	1350.9
32.5°	1327.0	1359.6	1396.5	1406.2	1405.2
35°	1382.4	1431.2	1473.5	1468.1	1456.2
37.5°	1446.4	1519.1	1566.8	1515.8	1489.8
40°	1509.3	1608.1	1654.7	1572.3	1532.1
42.5°	1576.6	1677.5	1717.7	1637.4	1580.9
45°	1647.1	1705.7	1718.7	1677.5	1628.7
47.5°	1691.6	1661.2	1633.0	1658.0	1648.2
50°	1659.1	1557.1	1511.5	1559.2	1616.8
52.5°	1535.4	1460.5	1407.3	1451.8	1524.5
55°	1380.2	1360.7	1298.8	1343.3	1379.1
57.5°	1238.1	1253.3	1186.0	1219.6	1225.0
60°	1104.6	1115.4	1056.9	1085.1	1076.4
62.5°	969.0	970.1	924.5	940.8	927.7
65°	825.7	818.1	779.1	791.0	778.0
67.5°	691.2	673.8	636.9	642.4	630.4
70°	559.9	539.3	504.6	512.2	505.6
72.5°	442.7	426.4	396.0	405.8	412.3
75°	348.3	335.3	312.5	322.3	337.5
77.5°	288.6	272.4	274.5	268.0	278.9
80°	237.6	227.9	236.5	230.0	226.8
82.5°	176.9	186.6	189.9	193.1	176.9
85°	117.2	134.5	141.1	136.7	119.4
87.5°	57.5	72.7	74.9	73.8	61.8
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	19.3	21.1	19.7	21.4	21.7	19.2	20.9	19.5	21.2	21.6
	3H	20.6	22.2	21.0	22.5	22.9	20.3	21.9	20.7	22.2	22.6
	4H	21.0	22.5	21.4	22.8	23.2	20.7	22.2	21.1	22.6	22.9
	6H	21.3	22.7	21.8	23.1	23.5	21.1	22.5	21.5	22.8	23.2
	8H	21.5	22.8	21.9	23.2	23.6	21.2	22.6	21.7	22.9	23.3
	12H	21.6	22.9	22.0	23.3	23.7	21.4	22.6	21.8	23.0	23.5
4H	2H	19.8	21.3	20.2	21.6	22.0	19.6	21.1	20.0	21.5	21.9
	3H	21.2	22.5	21.6	22.9	23.3	21.0	22.2	21.4	22.6	23.0
	4H	21.7	22.9	22.2	23.3	23.7	21.5	22.6	21.9	23.0	23.5
	6H	22.2	23.2	22.7	23.6	24.1	22.0	23.0	22.4	23.4	23.9
	8H	22.4	23.3	22.9	23.8	24.3	22.2	23.1	22.7	23.6	24.0
	12H	22.6	23.4	23.1	23.9	24.4	22.4	23.2	22.9	23.7	24.2
8H	4H	21.9	22.8	22.4	23.3	23.7	21.7	22.6	22.1	23.1	23.5
	6H	22.5	23.3	23.0	23.8	24.3	22.3	23.1	22.8	23.6	24.1
	8H	22.8	23.5	23.3	24.0	24.5	22.7	23.4	23.2	23.9	24.3
	12H	23.1	23.7	23.6	24.2	24.8	23.0	23.6	23.5	24.1	24.6
12H	4H	21.9	22.8	22.4	23.3	23.7	21.7	22.6	22.2	23.0	23.5
	6H	22.6	23.3	23.1	23.8	24.3	22.4	23.1	22.9	23.6	24.1
	8H	23.0	23.6	23.5	24.1	24.6	22.8	23.4	23.3	23.9	24.5













(END OF REPORT)