

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: P1527377

Luminaire Tested: 24CGSB-70-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-70-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

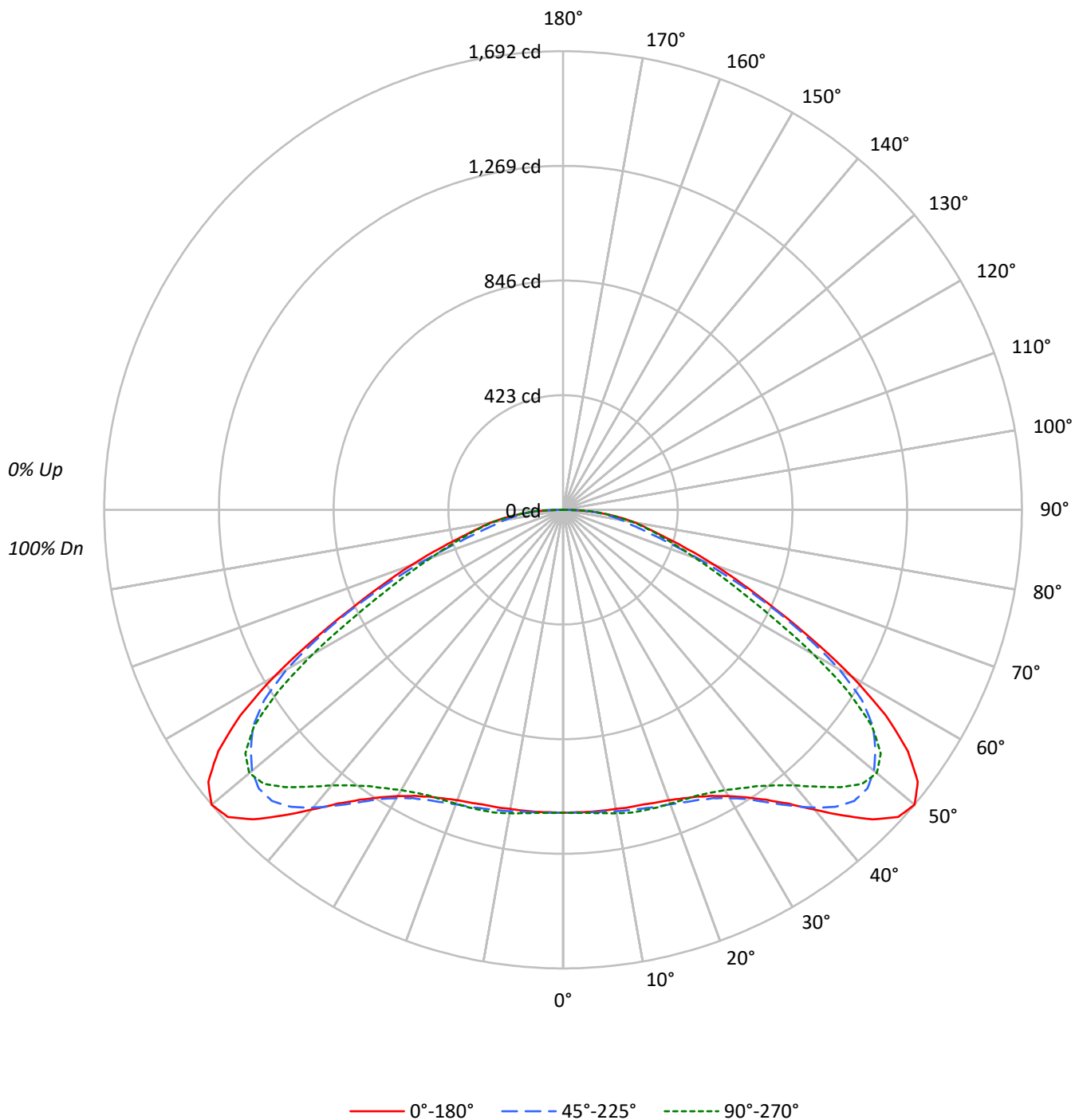
Lumens per Lamp: N/A
Luminaire Lumens: 5578.2 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.3
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

TEST NUMBER: P1527377

CATALOG NUMBER: 24CGSB-70-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1527377

CATALOG NUMBER: 24CGSB-70-A125-L935

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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1504	1504	1504
5°	1511	1513	1516
10°	1531	1542	1553
15°	1569	1589	1600
20°	1632	1655	1653
25°	1734	1754	1728
30°	1894	1907	1855
35°	2145	2164	2045
40°	2536	2519	2331
45°	3073	2889	2753
50°	3542	3134	3162
55°	3641	3274	3263
60°	3309	3163	2872
65°	2737	2687	2343
70°	2337	2105	2037
75°	2023	1677	1928
80°	2095	1698	2028
85°	2117	2042	2251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3644 cd/sqm

TEST NUMBER: P1527377

CATALOG NUMBER: 24CGSB-70-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	1.9
10°-20°	323.4	5.8
20°-30°	546.3	9.8
30°-40°	822.4	14.7
40°-50°	1169.4	21.0
50°-60°	1255.0	22.5
60°-70°	817.9	14.7
70°-80°	393.3	7.1
80°-90°	143.1	2.6
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°	977.0	17.5
0°-40°	1799.4	32.3
0°-60°	4223.9	75.7
0°-90°	5578.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5578.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1118	1119	1120	1124	1122	107
15°	1126	1132	1141	1147	1148	320
25°	1168	1178	1181	1171	1164	544
35°	1306	1331	1317	1273	1245	829
45°	1615	1575	1518	1479	1447	1240
55°	1552	1512	1396	1355	1391	1358
65°	860	853	844	753	736	870
75°	389	368	323	367	371	427
85°	137	128	132	136	146	149
90°	0	0	0	0	0	

TEST NUMBER: P1527377

CATALOG NUMBER: 24CGSB-70-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.5	1117.5	1117.5	1117.5	1117.5
2.5°	1116.5	1117.5	1118.4	1119.4	1119.4
5°	1118.4	1119.4	1120.4	1124.2	1122.3
7.5°	1119.4	1120.4	1123.2	1129.0	1129.0
10°	1120.4	1123.2	1129.0	1134.8	1136.8
12.5°	1124.2	1127.1	1134.8	1142.6	1144.5
15°	1126.1	1131.9	1140.6	1147.4	1148.4
17.5°	1132.9	1138.7	1148.4	1151.3	1151.3
20°	1139.7	1147.4	1156.1	1156.1	1154.2
22.5°	1152.2	1160.9	1167.7	1161.9	1158.0
25°	1167.7	1178.3	1181.2	1170.6	1163.8
27.5°	1189.9	1203.4	1199.5	1185.1	1176.4
30°	1218.9	1236.2	1227.6	1206.3	1193.8
32.5°	1257.5	1278.7	1264.3	1237.2	1217.9
35°	1305.8	1330.9	1317.4	1273.0	1244.9
37.5°	1365.7	1391.7	1375.3	1318.3	1280.7
40°	1443.9	1457.4	1434.2	1372.4	1327.0
42.5°	1528.9	1522.1	1486.4	1429.4	1385.0
45°	1614.9	1575.3	1518.3	1478.7	1446.8
47.5°	1676.7	1603.3	1522.1	1501.9	1496.1
50°	1692.1	1597.5	1497.0	1489.3	1510.5
52.5°	1648.7	1566.6	1451.6	1438.1	1476.7
55°	1552.1	1512.5	1395.6	1355.0	1390.8
57.5°	1410.1	1407.2	1306.8	1234.3	1244.0
60°	1229.5	1241.1	1175.4	1073.0	1067.2
62.5°	1034.4	1041.2	1012.2	905.9	885.7
65°	859.6	852.8	844.1	753.3	736.0
67.5°	715.7	695.4	681.9	626.8	618.1
70°	594.0	562.1	535.1	526.4	517.7
72.5°	481.0	457.8	414.3	438.5	437.5
75°	389.2	368.0	322.6	367.0	370.9
77.5°	318.7	304.2	260.8	301.3	313.9
80°	270.4	240.5	219.2	245.3	261.7
82.5°	206.7	183.5	178.7	189.3	204.8
85°	137.1	128.5	132.3	136.2	145.8
87.5°	69.5	74.4	80.2	86.9	91.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527377

CATALOG NUMBER: 24CGSB-70-A125-L935

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	17.8	19.6	18.2	19.9	20.2	16.9	18.7	17.3	19.0	19.3
	3H	18.9	20.5	19.3	20.9	21.2	18.0	19.7	18.4	20.0	20.3
	4H	19.3	20.8	19.7	21.2	21.6	18.5	20.0	18.9	20.4	20.7
	6H	19.7	21.1	20.1	21.4	21.8	18.9	20.4	19.4	20.7	21.1
	8H	19.8	21.2	20.2	21.6	22.0	19.1	20.5	19.6	20.9	21.3
	12H	20.0	21.3	20.4	21.6	22.1	19.3	20.6	19.7	21.0	21.4
4H	2H	18.2	19.7	18.6	20.1	20.5	17.5	19.0	17.9	19.3	19.7
	3H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.2	20.5	20.9
	4H	20.0	21.2	20.4	21.6	22.0	19.4	20.5	19.8	20.9	21.4
	6H	20.5	21.5	20.9	22.0	22.4	19.9	21.0	20.4	21.4	21.9
	8H	20.7	21.7	21.2	22.1	22.6	20.2	21.2	20.7	21.6	22.1
	12H	20.9	21.8	21.4	22.2	22.7	20.4	21.3	20.9	21.8	22.3
8H	4H	20.2	21.1	20.6	21.6	22.0	19.6	20.5	20.0	21.0	21.4
	6H	20.8	21.6	21.3	22.1	22.5	20.3	21.1	20.8	21.6	22.0
	8H	21.1	21.8	21.6	22.3	22.8	20.6	21.4	21.1	21.9	22.3
	12H	21.4	22.0	21.9	22.5	23.0	21.0	21.6	21.5	22.1	22.7
12H	4H	20.2	21.1	20.7	21.5	22.0	19.6	20.5	20.1	20.9	21.4
	6H	20.8	21.6	21.3	22.0	22.5	20.4	21.1	20.9	21.5	22.1
	8H	21.2	21.8	21.7	22.3	22.9	20.8	21.4	21.3	21.9	22.4













(END OF REPORT)