

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: P1527356

Luminaire Tested: 24CGSB-50-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527356
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-50-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

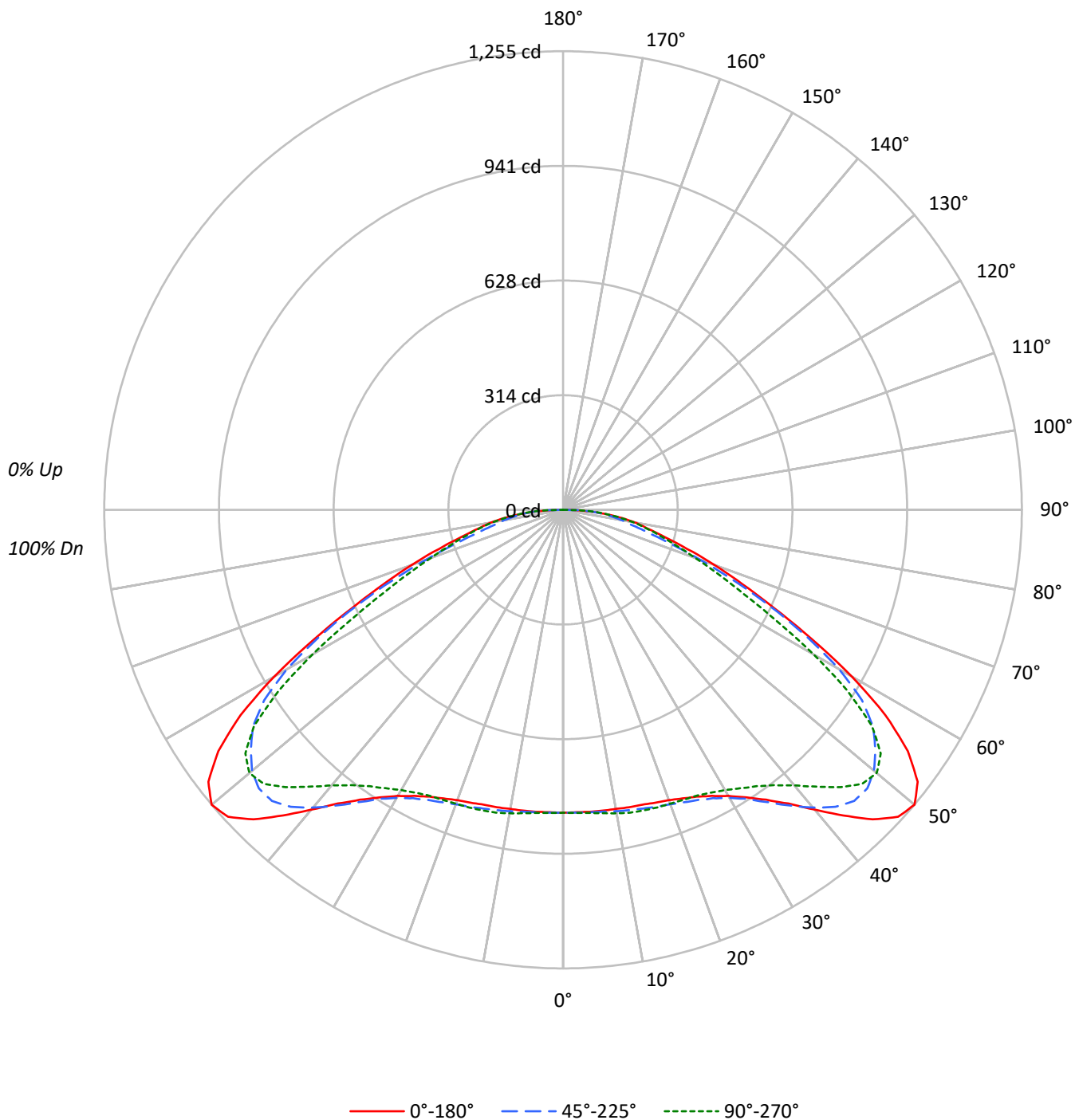
Lumens per Lamp: N/A
Luminaire Lumens: 4137.2 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39.9
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	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°	1115	1115	1115
5°	1120	1122	1124
10°	1135	1144	1152
15°	1163	1178	1186
20°	1210	1228	1226
25°	1286	1301	1281
30°	1404	1415	1376
35°	1591	1605	1517
40°	1881	1868	1729
45°	2279	2143	2042
50°	2627	2324	2345
55°	2700	2428	2420
60°	2454	2346	2130
65°	2030	1993	1738
70°	1733	1561	1511
75°	1501	1244	1430
80°	1554	1260	1504
85°	1570	1514	1670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2703 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	1.9
10°-20°	239.9	5.8
20°-30°	405.2	9.8
30°-40°	610.0	14.7
40°-50°	867.3	21.0
50°-60°	930.8	22.5
60°-70°	606.6	14.7
70°-80°	291.7	7.0
80°-90°	106.2	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°	724.6	17.5
0°-40°	1334.6	32.3
0°-60°	3132.7	75.7
0°-90°	4137.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4137.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	830	830	831	834	832	79
15°	835	840	846	851	852	237
25°	866	874	876	868	863	403
35°	968	987	977	944	923	615
45°	1198	1168	1126	1097	1073	919
55°	1151	1122	1035	1005	1032	1007
65°	638	632	626	559	546	645
75°	289	273	239	272	275	317
85°	102	95	98	101	108	111
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.8	828.8	828.8	828.8	828.8
2.5°	828.1	828.8	829.5	830.2	830.2
5°	829.5	830.2	830.9	833.8	832.4
7.5°	830.2	830.9	833.1	837.4	837.4
10°	830.9	833.1	837.4	841.7	843.1
12.5°	833.8	836.0	841.7	847.4	848.8
15°	835.2	839.5	846.0	851.0	851.7
17.5°	840.3	844.5	851.7	853.9	853.9
20°	845.3	851.0	857.4	857.4	856.0
22.5°	854.6	861.0	866.0	861.7	858.9
25°	866.0	873.9	876.1	868.2	863.2
27.5°	882.5	892.5	889.7	878.9	872.5
30°	904.0	916.9	910.5	894.7	885.4
32.5°	932.7	948.4	937.7	917.6	903.3
35°	968.5	987.1	977.1	944.1	923.3
37.5°	1012.9	1032.2	1020.0	977.8	949.8
40°	1070.9	1080.9	1063.7	1017.9	984.2
42.5°	1133.9	1128.9	1102.4	1060.2	1027.2
45°	1197.7	1168.3	1126.1	1096.7	1073.1
47.5°	1243.5	1189.1	1128.9	1113.9	1109.6
50°	1255.0	1184.8	1110.3	1104.6	1120.3
52.5°	1222.8	1161.9	1076.6	1066.6	1095.3
55°	1151.1	1121.8	1035.1	1005.0	1031.5
57.5°	1045.8	1043.7	969.2	915.5	922.6
60°	911.9	920.5	871.8	795.8	791.5
62.5°	767.2	772.2	750.7	671.9	656.9
65°	637.5	632.5	626.1	558.7	545.8
67.5°	530.8	515.8	505.7	464.9	458.4
70°	440.5	416.9	396.8	390.4	384.0
72.5°	356.7	339.5	307.3	325.2	324.5
75°	288.7	272.9	239.3	272.2	275.1
77.5°	236.4	225.6	193.4	223.5	232.8
80°	200.6	178.4	162.6	181.9	194.1
82.5°	153.3	136.1	132.5	140.4	151.9
85°	101.7	95.3	98.1	101.0	108.2
87.5°	51.6	55.2	59.5	64.5	68.1
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	16.8	18.6	17.1	18.9	19.2	15.9	17.6	16.2	18.0	18.3
	3H	17.9	19.5	18.3	19.8	20.2	17.0	18.6	17.4	18.9	19.3
	4H	18.3	19.8	18.7	20.1	20.5	17.5	19.0	17.9	19.3	19.7
	6H	18.6	20.0	19.0	20.4	20.8	17.9	19.3	18.3	19.7	20.1
	8H	18.8	20.1	19.2	20.5	20.9	18.1	19.5	18.5	19.8	20.2
	12H	18.9	20.2	19.3	20.6	21.0	18.3	19.6	18.7	20.0	20.4
4H	2H	17.2	18.7	17.6	19.1	19.4	16.4	18.0	16.8	18.3	18.7
	3H	18.5	19.7	18.9	20.1	20.5	17.7	19.0	18.2	19.4	19.8
	4H	19.0	20.1	19.4	20.5	21.0	18.3	19.5	18.8	19.9	20.3
	6H	19.5	20.5	19.9	20.9	21.4	18.9	19.9	19.4	20.4	20.8
	8H	19.7	20.6	20.1	21.1	21.5	19.2	20.1	19.6	20.6	21.0
	12H	19.9	20.7	20.4	21.2	21.7	19.4	20.3	19.9	20.7	21.2
8H	4H	19.1	20.1	19.6	20.5	21.0	18.5	19.5	19.0	19.9	20.4
	6H	19.7	20.5	20.2	21.0	21.5	19.2	20.0	19.7	20.5	21.0
	8H	20.0	20.7	20.5	21.3	21.7	19.6	20.3	20.1	20.8	21.3
	12H	20.3	21.0	20.8	21.4	22.0	20.0	20.6	20.5	21.1	21.6
12H	4H	19.2	20.0	19.6	20.5	21.0	18.6	19.4	19.0	19.9	20.4
	6H	19.8	20.5	20.3	21.0	21.5	19.3	20.0	19.8	20.5	21.0
	8H	20.1	20.8	20.6	21.3	21.8	19.7	20.4	20.2	20.8	21.4















(END OF REPORT)