

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: P1527355

Luminaire Tested: 24CGSB-50-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527355
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

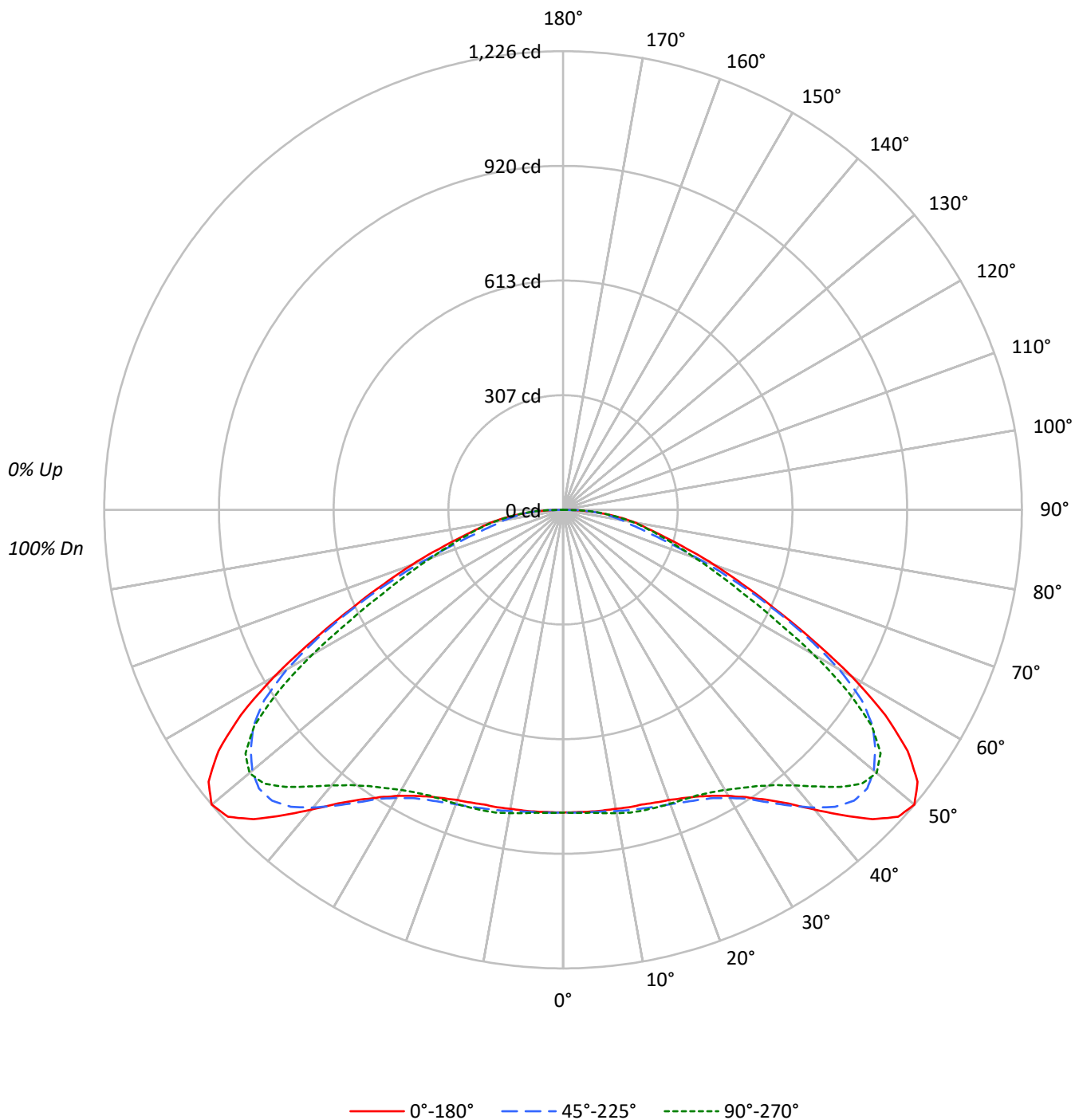
Lumens per Lamp: N/A
Luminaire Lumens: 4039.9 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1089	1089	1089
5°	1094	1096	1098
10°	1109	1117	1125
15°	1136	1151	1159
20°	1182	1199	1197
25°	1256	1270	1251
30°	1371	1381	1343
35°	1553	1567	1481
40°	1837	1824	1688
45°	2225	2092	1994
50°	2565	2269	2290
55°	2637	2371	2363
60°	2396	2291	2080
65°	1982	1946	1697
70°	1692	1524	1475
75°	1465	1214	1396
80°	1518	1230	1469
85°	1533	1479	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2639 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	1.9
10°-20°	234.2	5.8
20°-30°	395.7	9.8
30°-40°	595.6	14.7
40°-50°	846.9	21.0
50°-60°	908.9	22.5
60°-70°	592.3	14.7
70°-80°	284.8	7.1
80°-90°	103.7	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°	707.6	17.5
0°-40°	1303.2	32.3
0°-60°	3059.0	75.7
0°-90°	4039.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4039.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	810	811	811	814	813	77
15°	816	820	826	831	832	232
25°	846	853	856	848	843	394
35°	946	964	954	922	902	600
45°	1170	1141	1100	1071	1048	898
55°	1124	1095	1011	981	1007	983
65°	622	618	611	546	533	630
75°	282	266	234	266	269	310
85°	99	93	96	99	106	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	809.3	809.3	809.3	809.3	809.3
2.5°	808.6	809.3	810.0	810.7	810.7
5°	810.0	810.7	811.4	814.2	812.8
7.5°	810.7	811.4	813.5	817.7	817.7
10°	811.4	813.5	817.7	821.9	823.3
12.5°	814.2	816.3	821.9	827.5	828.9
15°	815.6	819.8	826.1	831.0	831.7
17.5°	820.5	824.7	831.7	833.8	833.8
20°	825.4	831.0	837.3	837.3	835.9
22.5°	834.5	840.8	845.7	841.5	838.7
25°	845.7	853.4	855.5	847.8	842.9
27.5°	861.7	871.5	868.7	858.3	852.0
30°	882.7	895.3	889.0	873.6	864.5
32.5°	910.7	926.1	915.6	896.0	882.0
35°	945.7	963.9	954.1	921.9	901.6
37.5°	989.1	1007.9	996.0	954.8	927.5
40°	1045.7	1055.5	1038.7	993.9	961.1
42.5°	1107.3	1102.4	1076.5	1035.2	1003.0
45°	1169.5	1140.8	1099.6	1070.9	1047.8
47.5°	1214.3	1161.1	1102.4	1087.7	1083.5
50°	1225.5	1156.9	1084.2	1078.6	1094.0
52.5°	1194.0	1134.5	1051.3	1041.5	1069.5
55°	1124.1	1095.4	1010.7	981.4	1007.2
57.5°	1021.2	1019.1	946.4	893.9	900.9
60°	890.4	898.8	851.3	777.1	772.9
62.5°	749.1	754.0	733.0	656.1	641.4
65°	622.5	617.6	611.3	545.6	533.0
67.5°	518.3	503.6	493.8	454.0	447.7
70°	430.2	407.1	387.5	381.2	374.9
72.5°	348.3	331.5	300.1	317.6	316.9
75°	281.9	266.5	233.6	265.8	268.6
77.5°	230.8	220.3	188.9	218.2	227.3
80°	195.9	174.2	158.8	177.7	189.6
82.5°	149.7	132.9	129.4	137.1	148.3
85°	99.3	93.0	95.8	98.6	105.6
87.5°	50.4	53.9	58.1	63.0	66.4
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	16.7	18.5	17.1	18.8	19.1	15.8	17.6	16.1	17.9	18.2
	3H	17.8	19.4	18.2	19.7	20.1	16.9	18.5	17.3	18.9	19.2
	4H	18.2	19.7	18.6	20.1	20.4	17.4	18.9	17.8	19.3	19.6
	6H	18.5	20.0	19.0	20.3	20.7	17.8	19.2	18.2	19.6	20.0
	8H	18.7	20.1	19.1	20.4	20.8	18.0	19.4	18.4	19.8	20.2
	12H	18.8	20.1	19.3	20.5	20.9	18.2	19.5	18.6	19.9	20.3
4H	2H	17.1	18.6	17.5	19.0	19.3	16.3	17.9	16.7	18.2	18.6
	3H	18.4	19.7	18.8	20.1	20.5	17.7	18.9	18.1	19.3	19.7
	4H	18.9	20.0	19.3	20.5	20.9	18.2	19.4	18.7	19.8	20.2
	6H	19.4	20.4	19.8	20.8	21.3	18.8	19.8	19.3	20.3	20.7
	8H	19.6	20.6	20.1	21.0	21.5	19.1	20.0	19.5	20.5	20.9
	12H	19.8	20.7	20.3	21.1	21.6	19.3	20.2	19.8	20.7	21.1
8H	4H	19.0	20.0	19.5	20.4	20.9	18.5	19.4	18.9	19.8	20.3
	6H	19.6	20.4	20.1	20.9	21.4	19.2	20.0	19.6	20.4	20.9
	8H	19.9	20.7	20.4	21.2	21.7	19.5	20.2	20.0	20.7	21.2
	12H	20.2	20.9	20.7	21.4	21.9	19.9	20.5	20.4	21.0	21.6
12H	4H	19.1	19.9	19.6	20.4	20.9	18.5	19.4	19.0	19.8	20.3
	6H	19.7	20.4	20.2	20.9	21.4	19.2	20.0	19.7	20.4	20.9
	8H	20.1	20.7	20.6	21.2	21.7	19.6	20.3	20.1	20.8	21.3











(END OF REPORT)