

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: P1527351

Luminaire Tested: 24CGSB-50-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527351
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

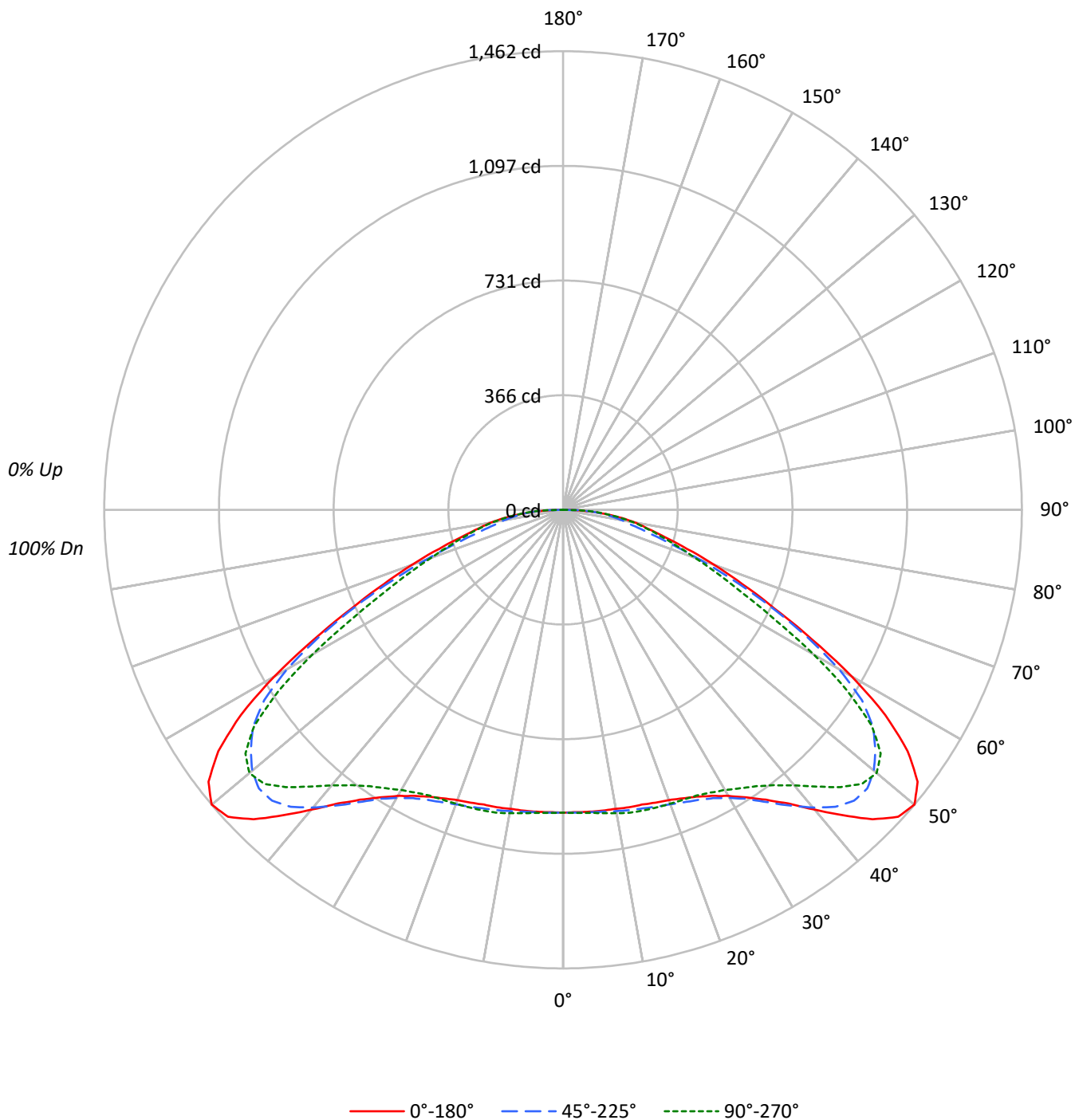
Lumens per Lamp: N/A
Luminaire Lumens: 4818.6 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	1299	1299	1299
5°	1305	1307	1309
10°	1322	1332	1342
15°	1355	1372	1382
20°	1410	1430	1428
25°	1497	1515	1492
30°	1636	1647	1602
35°	1853	1869	1766
40°	2191	2176	2013
45°	2654	2496	2378
50°	3060	2707	2731
55°	3145	2828	2818
60°	2858	2732	2481
65°	2364	2322	2024
70°	2019	1818	1759
75°	1748	1449	1666
80°	1810	1468	1752
85°	1829	1765	1945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3148 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.9
10°-20°	279.4	5.8
20°-30°	471.9	9.8
30°-40°	710.4	14.7
40°-50°	1010.2	21.0
50°-60°	1084.1	22.5
60°-70°	706.5	14.7
70°-80°	339.7	7.1
80°-90°	123.6	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°	844.0	17.5
0°-40°	1554.4	32.3
0°-60°	3648.7	75.7
0°-90°	4818.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4818.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	966	967	968	971	970	92
15°	973	978	985	991	992	277
25°	1009	1018	1020	1011	1005	470
35°	1128	1150	1138	1100	1075	716
45°	1395	1361	1312	1277	1250	1071
55°	1341	1306	1206	1170	1201	1173
65°	742	737	729	651	636	751
75°	336	318	279	317	320	369
85°	118	111	114	118	126	129
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.3	965.3	965.3	965.3	965.3
2.5°	964.5	965.3	966.1	967.0	967.0
5°	966.1	967.0	967.8	971.1	969.5
7.5°	967.0	967.8	970.3	975.3	975.3
10°	967.8	970.3	975.3	980.3	982.0
12.5°	971.1	973.6	980.3	987.0	988.7
15°	972.8	977.8	985.3	991.2	992.0
17.5°	978.6	983.7	992.0	994.5	994.5
20°	984.5	991.2	998.7	998.7	997.0
22.5°	995.3	1002.8	1008.7	1003.7	1000.3
25°	1008.7	1017.9	1020.4	1011.2	1005.3
27.5°	1027.9	1039.5	1036.2	1023.7	1016.2
30°	1052.9	1067.9	1060.4	1042.1	1031.2
32.5°	1086.3	1104.6	1092.1	1068.8	1052.1
35°	1128.0	1149.7	1138.0	1099.6	1075.4
37.5°	1179.7	1202.2	1188.1	1138.8	1106.3
40°	1247.3	1259.0	1238.9	1185.6	1146.3
42.5°	1320.7	1314.9	1284.0	1234.8	1196.4
45°	1395.0	1360.8	1311.5	1277.3	1249.8
47.5°	1448.4	1385.0	1314.9	1297.4	1292.3
50°	1461.7	1379.9	1293.2	1286.5	1304.9
52.5°	1424.2	1353.2	1254.0	1242.3	1275.7
55°	1340.7	1306.5	1205.6	1170.5	1201.4
57.5°	1218.1	1215.6	1128.8	1066.2	1074.6
60°	1062.1	1072.1	1015.4	926.9	921.9
62.5°	893.5	899.4	874.4	782.6	765.1
65°	742.5	736.7	729.2	650.8	635.7
67.5°	618.2	600.7	589.0	541.5	534.0
70°	513.1	485.6	462.2	454.7	447.2
72.5°	415.5	395.5	357.9	378.8	377.9
75°	336.2	317.9	278.7	317.0	320.4
77.5°	275.3	262.8	225.3	260.3	271.2
80°	233.6	207.7	189.4	211.9	226.1
82.5°	178.5	158.5	154.3	163.5	176.9
85°	118.5	111.0	114.3	117.6	126.0
87.5°	60.1	64.2	69.2	75.1	79.3
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	17.3	19.1	17.7	19.4	19.7	16.4	18.2	16.8	18.5	18.8
	3H	18.4	20.0	18.8	20.3	20.7	17.5	19.1	17.9	19.5	19.8
	4H	18.8	20.3	19.2	20.7	21.0	18.0	19.5	18.4	19.9	20.2
	6H	19.2	20.6	19.6	20.9	21.3	18.4	19.9	18.8	20.2	20.6
	8H	19.3	20.7	19.7	21.1	21.5	18.6	20.0	19.1	20.4	20.8
	12H	19.4	20.7	19.9	21.1	21.6	18.8	20.1	19.2	20.5	20.9
4H	2H	17.7	19.2	18.1	19.6	20.0	17.0	18.5	17.4	18.8	19.2
	3H	19.0	20.3	19.4	20.7	21.1	18.3	19.6	18.7	20.0	20.3
	4H	19.5	20.7	19.9	21.1	21.5	18.9	20.0	19.3	20.4	20.9
	6H	20.0	21.0	20.4	21.4	21.9	19.4	20.5	19.9	20.9	21.3
	8H	20.2	21.2	20.7	21.6	22.1	19.7	20.6	20.2	21.1	21.6
	12H	20.4	21.3	20.9	21.7	22.2	19.9	20.8	20.4	21.3	21.7
8H	4H	19.7	20.6	20.1	21.1	21.5	19.1	20.0	19.5	20.5	20.9
	6H	20.3	21.1	20.7	21.5	22.0	19.8	20.6	20.3	21.1	21.5
	8H	20.6	21.3	21.1	21.8	22.3	20.1	20.8	20.6	21.3	21.8
	12H	20.8	21.5	21.4	22.0	22.5	20.5	21.1	21.0	21.6	22.2
12H	4H	19.7	20.6	20.2	21.0	21.5	19.1	20.0	19.6	20.4	20.9
	6H	20.3	21.0	20.8	21.5	22.0	19.8	20.6	20.4	21.0	21.6
	8H	20.7	21.3	21.2	21.8	22.3	20.2	20.9	20.7	21.4	21.9















(END OF REPORT)