

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: P1527352

Luminaire Tested: 24CGSB-50-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527352
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

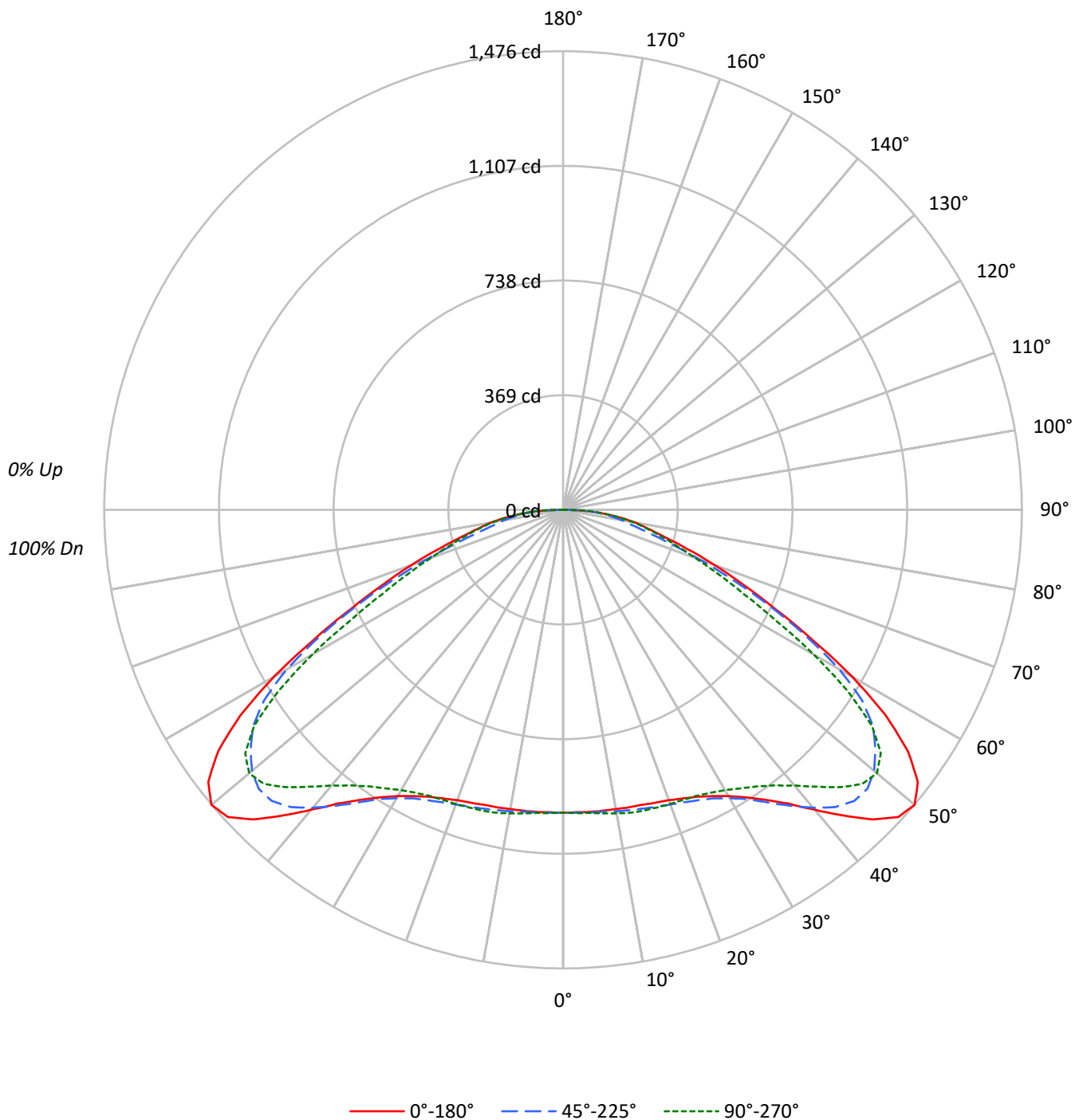
Lumens per Lamp: N/A
Luminaire Lumens: 4867.3 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1312	1312	1312
5°	1318	1320	1323
10°	1336	1346	1355
15°	1369	1386	1396
20°	1424	1444	1442
25°	1513	1530	1508
30°	1652	1664	1618
35°	1872	1888	1784
40°	2213	2198	2034
45°	2681	2521	2402
50°	3091	2734	2759
55°	3177	2857	2847
60°	2887	2760	2506
65°	2388	2345	2045
70°	2039	1837	1777
75°	1765	1463	1682
80°	1829	1482	1770
85°	1848	1783	1965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3180 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.9
10°-20°	282.2	5.8
20°-30°	476.7	9.8
30°-40°	717.6	14.7
40°-50°	1020.4	21.0
50°-60°	1095.1	22.5
60°-70°	713.7	14.7
70°-80°	343.1	7.1
80°-90°	124.9	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°	852.5	17.5
0°-40°	1570.1	32.3
0°-60°	3685.6	75.7
0°-90°	4867.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4867.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	976	977	978	981	979	93
15°	983	988	995	1001	1002	279
25°	1019	1028	1031	1021	1016	474
35°	1139	1161	1150	1111	1086	723
45°	1409	1374	1325	1290	1262	1082
55°	1354	1320	1218	1182	1214	1185
65°	750	744	737	657	642	759
75°	340	321	282	320	324	373
85°	120	112	116	119	127	130
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.0	975.0	975.0	975.0	975.0
2.5°	974.2	975.0	975.9	976.7	976.7
5°	975.9	976.7	977.6	980.9	979.3
7.5°	976.7	977.6	980.1	985.2	985.2
10°	977.6	980.1	985.2	990.2	991.9
12.5°	980.9	983.5	990.2	997.0	998.6
15°	982.6	987.7	995.3	1001.2	1002.0
17.5°	988.5	993.6	1002.0	1004.5	1004.5
20°	994.4	1001.2	1008.8	1008.8	1007.1
22.5°	1005.4	1013.0	1018.9	1013.8	1010.4
25°	1018.9	1028.1	1030.7	1021.4	1015.5
27.5°	1038.3	1050.0	1046.7	1034.0	1026.5
30°	1063.5	1078.7	1071.1	1052.6	1041.6
32.5°	1097.2	1115.8	1103.1	1079.5	1062.7
35°	1139.4	1161.3	1149.5	1110.7	1086.3
37.5°	1191.6	1214.4	1200.1	1150.3	1117.5
40°	1259.9	1271.7	1251.5	1197.5	1157.9
42.5°	1334.1	1328.2	1297.0	1247.3	1208.5
45°	1409.1	1374.5	1324.8	1290.2	1262.4
47.5°	1463.0	1398.9	1328.2	1310.5	1305.4
50°	1476.5	1393.9	1306.2	1299.5	1318.0
52.5°	1438.6	1366.9	1266.6	1254.8	1288.5
55°	1354.3	1319.7	1217.8	1182.4	1213.5
57.5°	1230.4	1227.9	1140.2	1077.0	1085.4
60°	1072.8	1082.9	1025.6	936.3	931.2
62.5°	902.6	908.5	883.2	790.5	772.8
65°	750.0	744.1	736.6	657.3	642.2
67.5°	624.5	606.8	595.0	546.9	539.4
70°	518.3	490.5	466.9	459.3	451.7
72.5°	419.7	399.5	361.5	382.6	381.8
75°	339.6	321.1	281.5	320.2	323.6
77.5°	278.1	265.5	227.5	262.9	273.9
80°	236.0	209.8	191.3	214.1	228.4
82.5°	180.3	160.1	155.9	165.2	178.7
85°	119.7	112.1	115.5	118.8	127.3
87.5°	60.7	64.9	69.9	75.8	80.1
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	17.3	19.1	17.7	19.4	19.7	16.4	18.2	16.8	18.5	18.8
	3H	18.4	20.1	18.8	20.4	20.7	17.6	19.2	17.9	19.5	19.9
	4H	18.8	20.4	19.2	20.7	21.1	18.0	19.6	18.4	19.9	20.3
	6H	19.2	20.6	19.6	21.0	21.4	18.5	19.9	18.9	20.2	20.6
	8H	19.4	20.7	19.8	21.1	21.5	18.7	20.0	19.1	20.4	20.8
	12H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.3	20.5	21.0
4H	2H	17.7	19.3	18.1	19.6	20.0	17.0	18.5	17.4	18.9	19.2
	3H	19.0	20.3	19.4	20.7	21.1	18.3	19.6	18.7	20.0	20.4
	4H	19.5	20.7	20.0	21.1	21.5	18.9	20.1	19.3	20.5	20.9
	6H	20.0	21.0	20.5	21.5	21.9	19.5	20.5	19.9	20.9	21.4
	8H	20.2	21.2	20.7	21.6	22.1	19.7	20.7	20.2	21.1	21.6
	12H	20.4	21.3	20.9	21.8	22.2	20.0	20.8	20.5	21.3	21.8
8H	4H	19.7	20.6	20.2	21.1	21.6	19.1	20.1	19.6	20.5	21.0
	6H	20.3	21.1	20.8	21.6	22.1	19.8	20.6	20.3	21.1	21.6
	8H	20.6	21.3	21.1	21.8	22.3	20.2	20.9	20.7	21.4	21.9
	12H	20.9	21.5	21.4	22.0	22.6	20.5	21.2	21.0	21.6	22.2
12H	4H	19.7	20.6	20.2	21.1	21.5	19.1	20.0	19.6	20.5	20.9
	6H	20.4	21.1	20.9	21.5	22.1	19.9	20.6	20.4	21.1	21.6
	8H	20.7	21.3	21.2	21.8	22.4	20.3	20.9	20.8	21.4	22.0















(END OF REPORT)