

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: P1527340

Luminaire Tested: 24CGSB-40-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527340
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-40-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

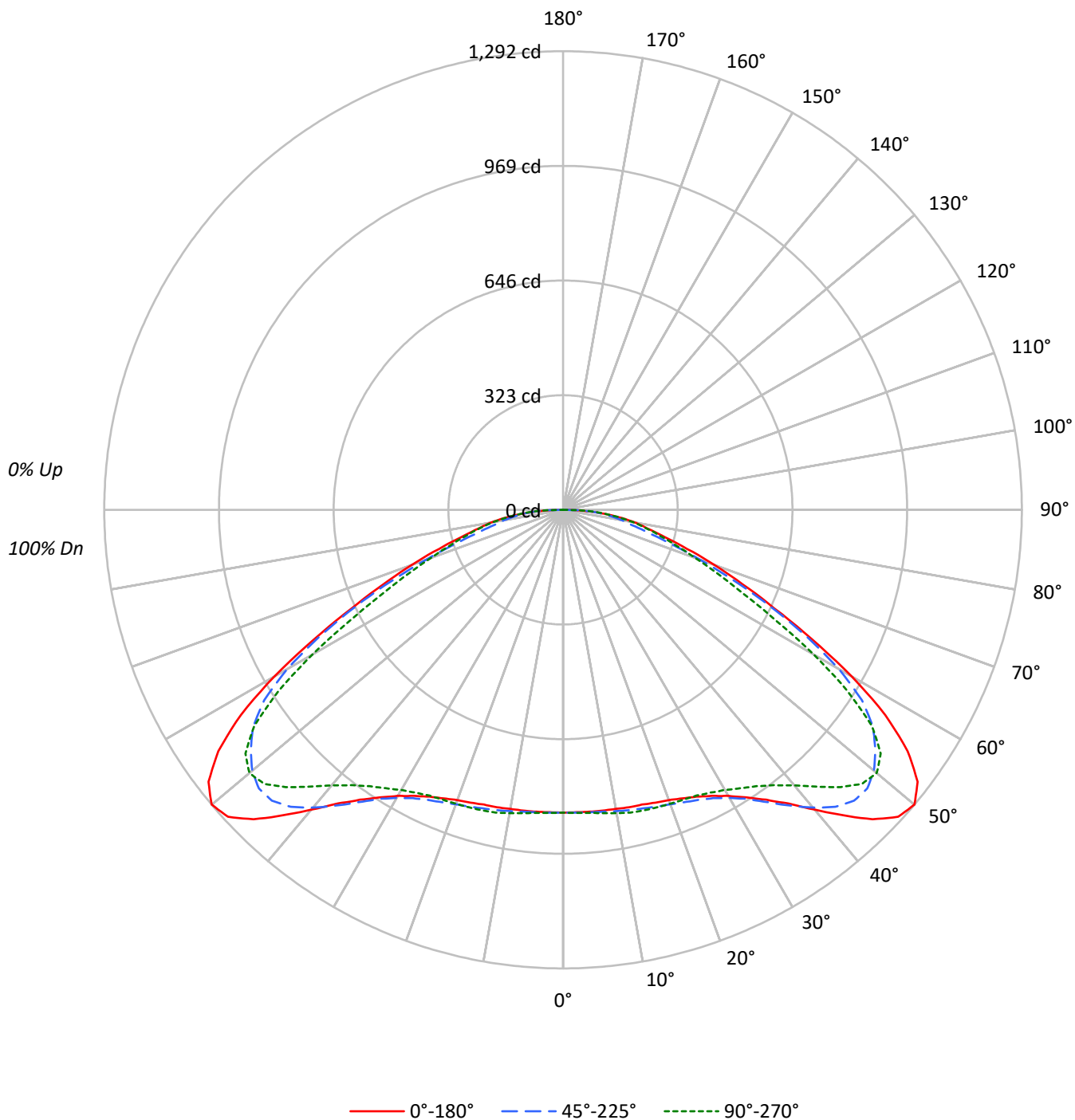
Lumens per Lamp: N/A
Luminaire Lumens: 4258.6 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	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°	1148	1148	1148
5°	1153	1155	1157
10°	1169	1178	1186
15°	1198	1213	1221
20°	1246	1264	1262
25°	1323	1339	1319
30°	1446	1456	1416
35°	1637	1652	1561
40°	1936	1923	1779
45°	2346	2206	2102
50°	2704	2392	2414
55°	2780	2499	2491
60°	2526	2415	2193
65°	2089	2052	1789
70°	1784	1607	1555
75°	1544	1280	1472
80°	1600	1297	1548
85°	1616	1559	1718

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.9
10°-20°	246.9	5.8
20°-30°	417.1	9.8
30°-40°	627.9	14.7
40°-50°	892.8	21.0
50°-60°	958.1	22.5
60°-70°	624.4	14.7
70°-80°	300.2	7.1
80°-90°	109.3	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°	745.9	17.5
0°-40°	1373.7	32.3
0°-60°	3224.6	75.7
0°-90°	4258.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4258.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	853	853	853	853	853	
5°	854	855	855	858	857	82
15°	860	864	871	876	877	244
25°	891	900	902	894	888	415
35°	997	1016	1006	972	950	633
45°	1233	1203	1159	1129	1104	946
55°	1185	1155	1065	1034	1062	1037
65°	656	651	644	575	562	664
75°	297	281	246	280	283	326
85°	105	98	101	104	111	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	853.1	853.1	853.1	853.1	853.1
2.5°	852.4	853.1	853.8	854.6	854.6
5°	853.8	854.6	855.3	858.3	856.8
7.5°	854.6	855.3	857.5	861.9	861.9
10°	855.3	857.5	861.9	866.4	867.8
12.5°	858.3	860.5	866.4	872.3	873.7
15°	859.7	864.2	870.8	876.0	876.7
17.5°	864.9	869.3	876.7	878.9	878.9
20°	870.1	876.0	882.6	882.6	881.1
22.5°	879.6	886.3	891.4	887.0	884.1
25°	891.4	899.5	901.8	893.7	888.5
27.5°	908.4	918.7	915.8	904.7	898.1
30°	930.5	943.8	937.2	920.9	911.3
32.5°	960.0	976.2	965.2	944.5	929.8
35°	996.9	1016.0	1005.7	971.8	950.4
37.5°	1042.6	1062.5	1050.0	1006.5	977.7
40°	1102.3	1112.6	1094.9	1047.8	1013.1
42.5°	1167.2	1162.0	1134.8	1091.3	1057.3
45°	1232.8	1202.6	1159.1	1128.9	1104.5
47.5°	1280.0	1224.0	1162.0	1146.6	1142.1
50°	1291.8	1219.6	1142.9	1137.0	1153.2
52.5°	1258.6	1196.0	1108.2	1097.9	1127.4
55°	1184.9	1154.7	1065.4	1034.5	1061.8
57.5°	1076.5	1074.3	997.6	942.3	949.7
60°	938.6	947.5	897.3	819.2	814.8
62.5°	789.7	794.8	772.7	691.6	676.1
65°	656.2	651.1	644.4	575.1	561.8
67.5°	546.4	530.9	520.6	478.5	471.9
70°	453.5	429.1	408.5	401.8	395.2
72.5°	367.2	349.5	316.3	334.8	334.0
75°	297.1	280.9	246.3	280.2	283.1
77.5°	243.3	232.3	199.1	230.0	239.6
80°	206.5	183.6	167.4	187.3	199.8
82.5°	157.8	140.1	136.4	144.5	156.3
85°	104.7	98.1	101.0	104.0	111.3
87.5°	53.1	56.8	61.2	66.4	70.0
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	16.9	18.7	17.2	19.0	19.3	16.0	17.7	16.3	18.1	18.4
	3H	18.0	19.6	18.4	19.9	20.3	17.1	18.7	17.5	19.0	19.4
	4H	18.4	19.9	18.8	20.2	20.6	17.6	19.1	18.0	19.4	19.8
	6H	18.7	20.1	19.1	20.5	20.9	18.0	19.4	18.4	19.8	20.2
	8H	18.9	20.2	19.3	20.6	21.0	18.2	19.6	18.6	19.9	20.3
	12H	19.0	20.3	19.4	20.7	21.1	18.4	19.7	18.8	20.1	20.5
4H	2H	17.3	18.8	17.7	19.2	19.5	16.5	18.1	16.9	18.4	18.8
	3H	18.6	19.8	19.0	20.2	20.6	17.8	19.1	18.3	19.5	19.9
	4H	19.1	20.2	19.5	20.6	21.1	18.4	19.6	18.9	20.0	20.4
	6H	19.6	20.6	20.0	21.0	21.5	19.0	20.0	19.5	20.5	20.9
	8H	19.8	20.7	20.2	21.2	21.6	19.3	20.2	19.7	20.7	21.1
	12H	20.0	20.8	20.5	21.3	21.8	19.5	20.4	20.0	20.8	21.3
8H	4H	19.2	20.2	19.7	20.6	21.1	18.6	19.6	19.1	20.0	20.5
	6H	19.8	20.6	20.3	21.1	21.6	19.3	20.1	19.8	20.6	21.1
	8H	20.1	20.8	20.6	21.4	21.8	19.7	20.4	20.2	20.9	21.4
	12H	20.4	21.1	20.9	21.5	22.1	20.1	20.7	20.6	21.2	21.7
12H	4H	19.3	20.1	19.7	20.6	21.1	18.7	19.5	19.1	20.0	20.5
	6H	19.9	20.6	20.4	21.1	21.6	19.4	20.1	19.9	20.6	21.1
	8H	20.2	20.9	20.7	21.4	21.9	19.8	20.5	20.3	20.9	21.5













(END OF REPORT)