

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: P1527339

Luminaire Tested: 24CGSB-40-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527339
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

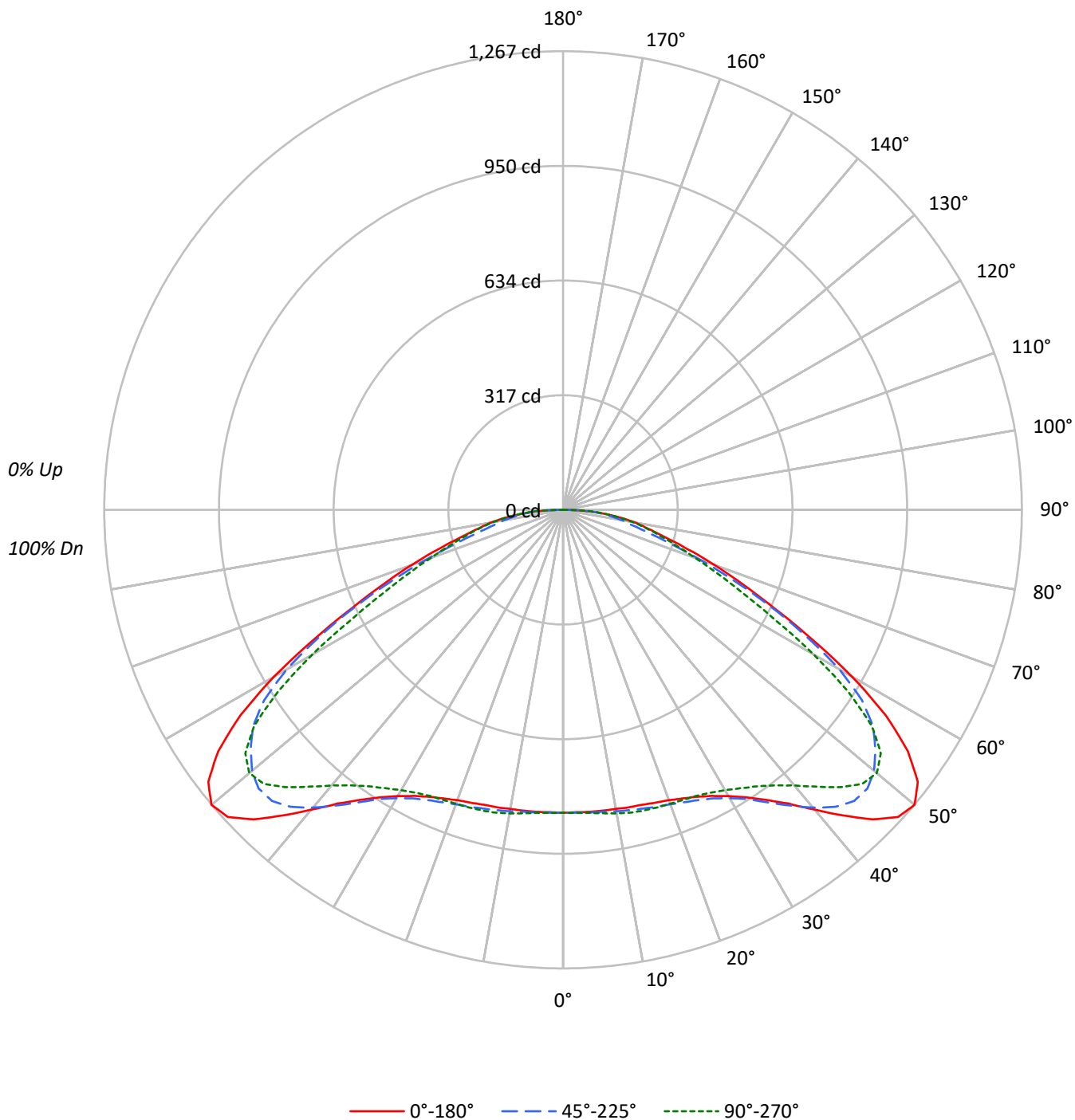
Lumens per Lamp: N/A
Luminaire Lumens: 4177.4 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				0			
RW	70	50	30	10	70	50	30	10	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°	1126	1126	1126
5°	1131	1133	1135
10°	1146	1155	1163
15°	1175	1190	1198
20°	1222	1240	1238
25°	1298	1313	1294
30°	1418	1428	1389
35°	1606	1621	1531
40°	1899	1887	1746
45°	2301	2163	2062
50°	2653	2347	2368
55°	2727	2452	2443
60°	2478	2369	2151
65°	2049	2013	1755
70°	1750	1576	1525
75°	1515	1256	1444
80°	1569	1272	1519
85°	1585	1530	1686

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	1.9
10°-20°	242.2	5.8
20°-30°	409.1	9.8
30°-40°	615.9	14.7
40°-50°	875.8	21.0
50°-60°	939.9	22.5
60°-70°	612.5	14.7
70°-80°	294.5	7.1
80°-90°	107.2	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°	731.7	17.5
0°-40°	1347.6	32.3
0°-60°	3163.2	75.7
0°-90°	4177.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4177.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	838	838	839	842	840	80
15°	843	848	854	859	860	240
25°	874	882	885	877	872	407
35°	978	997	987	953	932	621
45°	1209	1180	1137	1107	1084	928
55°	1162	1133	1045	1015	1042	1017
65°	644	639	632	564	551	651
75°	292	276	242	275	278	320
85°	103	96	99	102	109	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.8	836.8	836.8	836.8	836.8
2.5°	836.1	836.8	837.6	838.3	838.3
5°	837.6	838.3	839.0	841.9	840.5
7.5°	838.3	839.0	841.2	845.5	845.5
10°	839.0	841.2	845.5	849.9	851.3
12.5°	841.9	844.1	849.9	855.7	857.1
15°	843.4	847.7	854.2	859.3	860.0
17.5°	848.4	852.8	860.0	862.2	862.2
20°	853.5	859.3	865.8	865.8	864.3
22.5°	862.9	869.4	874.5	870.1	867.2
25°	874.5	882.4	884.6	876.6	871.6
27.5°	891.1	901.2	898.3	887.5	881.0
30°	912.8	925.8	919.3	903.4	894.0
32.5°	941.7	957.6	946.8	926.5	912.1
35°	977.9	996.7	986.6	953.3	932.3
37.5°	1022.7	1042.3	1030.0	987.3	959.1
40°	1081.3	1091.4	1074.1	1027.8	993.8
42.5°	1145.0	1139.9	1113.1	1070.5	1037.2
45°	1209.3	1179.7	1137.0	1107.4	1083.5
47.5°	1255.6	1200.7	1139.9	1124.7	1120.4
50°	1267.2	1196.3	1121.1	1115.3	1131.2
52.5°	1234.7	1173.2	1087.1	1077.0	1105.9
55°	1162.3	1132.7	1045.2	1014.8	1041.5
57.5°	1056.0	1053.8	978.6	924.4	931.6
60°	920.7	929.4	880.2	803.6	799.2
62.5°	774.6	779.7	758.0	678.4	663.3
65°	643.7	638.7	632.2	564.2	551.1
67.5°	536.0	520.8	510.6	469.4	462.9
70°	444.8	421.0	400.7	394.2	387.7
72.5°	360.2	342.8	310.3	328.4	327.7
75°	291.5	275.6	241.6	274.9	277.7
77.5°	238.7	227.8	195.3	225.7	235.1
80°	202.5	180.1	164.2	183.7	196.0
82.5°	154.8	137.4	133.8	141.8	153.3
85°	102.7	96.2	99.1	102.0	109.2
87.5°	52.1	55.7	60.0	65.1	68.7
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	17.2	18.9	19.2	15.9	17.7	16.3	18.0	18.3
	3H	17.9	19.5	18.3	19.9	20.2	17.0	18.6	17.4	19.0	19.3
	4H	18.3	19.8	18.7	20.2	20.5	17.5	19.0	17.9	19.4	19.7
	6H	18.7	20.1	19.1	20.4	20.8	17.9	19.4	18.3	19.7	20.1
	8H	18.8	20.2	19.2	20.6	21.0	18.1	19.5	18.6	19.9	20.3
	12H	19.0	20.3	19.4	20.6	21.1	18.3	19.6	18.7	20.0	20.4
4H	2H	17.2	18.7	17.6	19.1	19.5	16.5	18.0	16.9	18.3	18.7
	3H	18.5	19.8	18.9	20.2	20.6	17.8	19.1	18.2	19.5	19.9
	4H	19.0	20.2	19.4	20.6	21.0	18.4	19.5	18.8	19.9	20.4
	6H	19.5	20.5	19.9	20.9	21.4	18.9	20.0	19.4	20.4	20.8
	8H	19.7	20.7	20.2	21.1	21.6	19.2	20.2	19.7	20.6	21.1
	12H	19.9	20.8	20.4	21.2	21.7	19.4	20.3	19.9	20.8	21.2
8H	4H	19.2	20.1	19.6	20.6	21.0	18.6	19.5	19.0	20.0	20.4
	6H	19.8	20.6	20.3	21.0	21.5	19.3	20.1	19.8	20.6	21.0
	8H	20.1	20.8	20.6	21.3	21.8	19.6	20.3	20.1	20.8	21.3
	12H	20.4	21.0	20.9	21.5	22.0	20.0	20.6	20.5	21.1	21.7
12H	4H	19.2	20.1	19.7	20.5	21.0	18.6	19.5	19.1	19.9	20.4
	6H	19.8	20.5	20.3	21.0	21.5	19.3	20.1	19.9	20.5	21.1
	8H	20.2	20.8	20.7	21.3	21.9	19.7	20.4	20.3	20.9	21.4















(END OF REPORT)