

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: P1527357

Luminaire Tested: 24CGSB-50-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527357
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

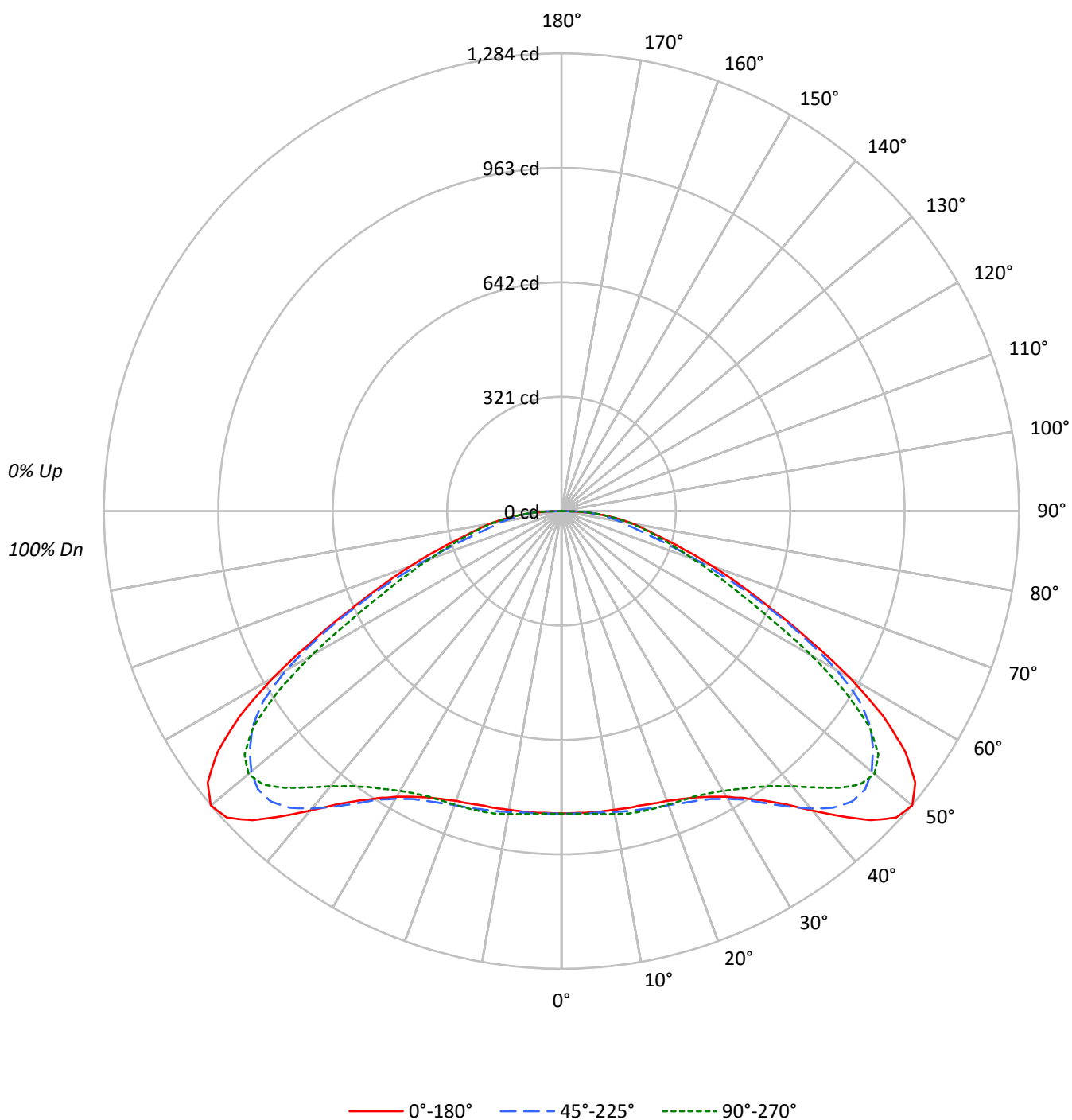
Lumens per Lamp: N/A
Luminaire Lumens: 4234.5 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1141	1141	1141
5°	1147	1149	1151
10°	1162	1171	1179
15°	1191	1206	1214
20°	1239	1257	1255
25°	1316	1331	1312
30°	1438	1448	1408
35°	1628	1643	1552
40°	1925	1912	1769
45°	2333	2193	2090
50°	2689	2379	2400
55°	2764	2485	2477
60°	2511	2401	2180
65°	2077	2040	1779
70°	1774	1598	1546
75°	1536	1273	1463
80°	1591	1289	1540
85°	1607	1550	1709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.9
10°-20°	245.5	5.8
20°-30°	414.7	9.8
30°-40°	624.3	14.7
40°-50°	887.8	21.0
50°-60°	952.7	22.5
60°-70°	620.9	14.7
70°-80°	298.5	7.1
80°-90°	108.7	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°	741.7	17.5
0°-40°	1366.0	32.3
0°-60°	3206.5	75.7
0°-90°	4234.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4234.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	849	850	850	853	852	81
15°	855	859	866	871	872	243
25°	886	894	897	889	884	413
35°	991	1010	1000	966	945	629
45°	1226	1196	1153	1122	1098	941
55°	1178	1148	1059	1029	1056	1031
65°	652	647	641	572	559	660
75°	296	279	245	279	282	325
85°	104	98	100	103	111	113
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	848.3	848.3	848.3	848.3	848.3
2.5°	847.6	848.3	849.0	849.8	849.8
5°	849.0	849.8	850.5	853.4	852.0
7.5°	849.8	850.5	852.7	857.1	857.1
10°	850.5	852.7	857.1	861.5	863.0
12.5°	853.4	855.6	861.5	867.4	868.8
15°	854.9	859.3	865.9	871.0	871.8
17.5°	860.0	864.4	871.8	874.0	874.0
20°	865.2	871.0	877.6	877.6	876.2
22.5°	874.7	881.3	886.4	882.0	879.1
25°	886.4	894.5	896.7	888.6	883.5
27.5°	903.3	913.5	910.6	899.6	893.0
30°	925.3	938.5	931.9	915.7	906.2
32.5°	954.6	970.7	959.7	939.2	924.5
35°	991.3	1010.3	1000.1	966.3	945.1
37.5°	1036.7	1056.5	1044.0	1000.8	972.2
40°	1096.1	1106.4	1088.8	1041.8	1007.4
42.5°	1160.6	1155.5	1128.4	1085.1	1051.4
45°	1225.9	1195.8	1152.6	1122.5	1098.3
47.5°	1272.8	1217.1	1155.5	1140.1	1135.7
50°	1284.5	1212.7	1136.4	1130.6	1146.7
52.5°	1251.5	1189.2	1102.0	1091.7	1121.0
55°	1178.2	1148.2	1059.4	1028.7	1055.8
57.5°	1070.4	1068.2	992.0	937.0	944.3
60°	933.3	942.1	892.3	814.6	810.2
62.5°	785.2	790.4	768.4	687.7	672.3
65°	652.5	647.4	640.8	571.9	558.7
67.5°	543.3	527.9	517.6	475.8	469.2
70°	450.9	426.7	406.2	399.6	393.0
72.5°	365.1	347.5	314.5	332.9	332.1
75°	295.5	279.3	244.9	278.6	281.5
77.5°	241.9	231.0	198.0	228.8	238.3
80°	205.3	182.6	166.4	186.2	198.7
82.5°	156.9	139.3	135.6	143.7	155.4
85°	104.1	97.5	100.4	103.4	110.7
87.5°	52.8	56.5	60.9	66.0	69.7
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	16.9	18.6	17.2	19.0	19.3	15.9	17.7	16.3	18.0	18.4
	3H	18.0	19.6	18.3	19.9	20.3	17.1	18.7	17.5	19.0	19.4
	4H	18.4	19.9	18.7	20.2	20.6	17.5	19.1	17.9	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	19.5	18.6	19.9	20.3
	12H	19.0	20.3	19.4	20.7	21.1	18.4	19.7	18.8	20.0	20.5
4H	2H	17.3	18.8	17.7	19.1	19.5	16.5	18.0	16.9	18.4	18.8
	3H	18.5	19.8	19.0	20.2	20.6	17.8	19.1	18.2	19.5	19.9
	4H	19.0	20.2	19.5	20.6	21.1	18.4	19.6	18.8	20.0	20.4
	6H	19.5	20.6	20.0	21.0	21.4	19.0	20.0	19.4	20.4	20.9
	8H	19.8	20.7	20.2	21.2	21.6	19.2	20.2	19.7	20.6	21.1
	12H	20.0	20.8	20.4	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	21.3	21.8	19.7	20.4	20.2	20.9	21.4
	12H	20.4	21.0	20.9	21.5	22.1	20.0	20.7	20.5	21.2	21.7
12H	4H	19.2	20.1	19.7	20.6	21.0	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	21.3	21.9	19.8	20.4	20.3	20.9	21.5















(END OF REPORT)