

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: P1527338

Luminaire Tested: 24CGSB-40-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527338
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

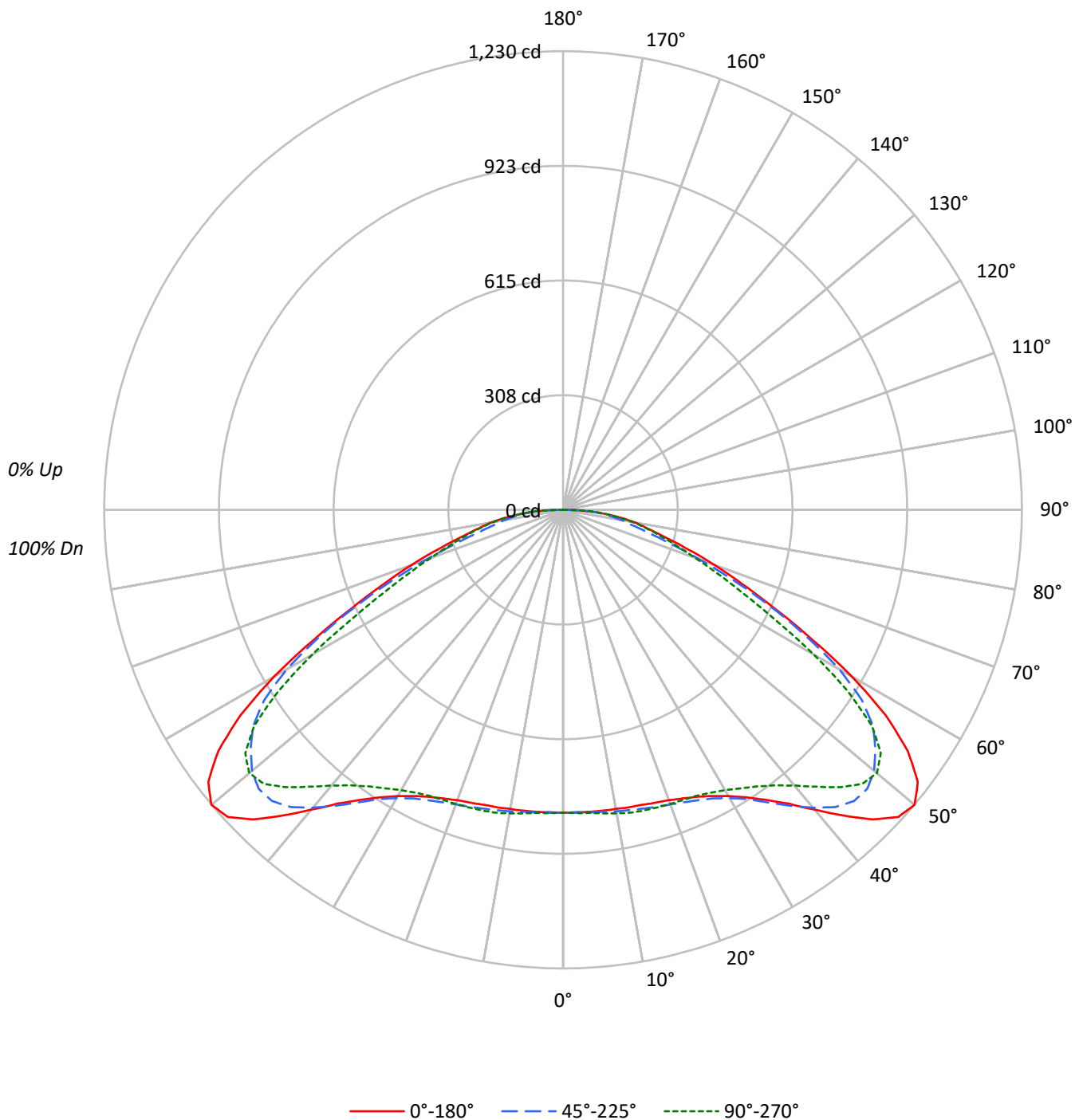
Lumens per Lamp: N/A
Luminaire Lumens: 4055.7 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1093	1093	1093
5°	1098	1100	1102
10°	1113	1122	1129
15°	1141	1155	1163
20°	1186	1204	1202
25°	1260	1275	1256
30°	1377	1387	1348
35°	1559	1573	1487
40°	1844	1832	1695
45°	2234	2101	2002
50°	2575	2278	2299
55°	2647	2380	2372
60°	2405	2300	2088
65°	1990	1954	1704
70°	1699	1530	1481
75°	1471	1219	1402
80°	1523	1235	1475
85°	1539	1485	1636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	1.9
10°-20°	235.2	5.8
20°-30°	397.2	9.8
30°-40°	597.9	14.7
40°-50°	850.3	21.0
50°-60°	912.5	22.5
60°-70°	594.7	14.7
70°-80°	285.9	7.1
80°-90°	104.1	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°	710.3	17.5
0°-40°	1308.3	32.3
0°-60°	3071.1	75.7
0°-90°	4055.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4055.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	813	814	815	817	816	78
15°	819	823	829	834	835	233
25°	849	857	859	851	846	395
35°	949	968	958	926	905	603
45°	1174	1145	1104	1075	1052	901
55°	1128	1100	1015	985	1011	987
65°	625	620	614	548	535	632
75°	283	268	234	267	270	311
85°	100	93	96	99	106	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.5	812.5	812.5	812.5	812.5
2.5°	811.8	812.5	813.2	813.9	813.9
5°	813.2	813.9	814.6	817.4	816.0
7.5°	813.9	814.6	816.7	820.9	820.9
10°	814.6	816.7	820.9	825.1	826.5
12.5°	817.4	819.5	825.1	830.7	832.1
15°	818.8	823.0	829.3	834.2	834.9
17.5°	823.7	827.9	834.9	837.1	837.1
20°	828.6	834.2	840.6	840.6	839.2
22.5°	837.8	844.1	849.0	844.8	842.0
25°	849.0	856.7	858.8	851.1	846.2
27.5°	865.1	875.0	872.2	861.6	855.3
30°	886.2	898.8	892.5	877.1	867.9
32.5°	914.3	929.7	919.2	899.5	885.5
35°	949.4	967.7	957.8	925.5	905.2
37.5°	992.9	1011.9	1000.0	958.5	931.1
40°	1049.8	1059.7	1042.8	997.9	964.9
42.5°	1111.6	1106.7	1080.7	1039.3	1007.0
45°	1174.1	1145.3	1103.9	1075.1	1051.9
47.5°	1219.1	1165.7	1106.7	1092.0	1087.7
50°	1230.3	1161.5	1088.4	1082.8	1098.3
52.5°	1198.7	1139.0	1055.4	1045.6	1073.7
55°	1128.5	1099.7	1014.7	985.2	1011.2
57.5°	1025.2	1023.1	950.1	897.4	904.5
60°	893.9	902.4	854.6	780.2	776.0
62.5°	752.1	757.0	735.9	658.7	643.9
65°	625.0	620.1	613.7	547.7	535.1
67.5°	520.3	505.6	495.8	455.7	449.4
70°	431.9	408.7	389.0	382.7	376.4
72.5°	349.7	332.9	301.3	318.8	318.1
75°	283.0	267.5	234.5	266.8	269.7
77.5°	231.7	221.2	189.6	219.1	228.2
80°	196.6	174.9	159.4	178.4	190.3
82.5°	150.3	133.4	129.9	137.6	148.9
85°	99.7	93.4	96.2	99.0	106.0
87.5°	50.6	54.1	58.3	63.2	66.7
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	16.7	18.5	17.1	18.8	19.1	15.8	17.6	16.2	17.9	18.2
	3H	17.8	19.4	18.2	19.7	20.1	16.9	18.5	17.3	18.9	19.2
	4H	18.2	19.7	18.6	20.1	20.4	17.4	18.9	17.8	19.3	19.6
	6H	18.6	20.0	19.0	20.3	20.7	17.8	19.3	18.2	19.6	20.0
	8H	18.7	20.1	19.1	20.5	20.9	18.0	19.4	18.5	19.8	20.2
	12H	18.8	20.2	19.3	20.5	21.0	18.2	19.5	18.6	19.9	20.3
4H	2H	17.1	18.6	17.5	19.0	19.4	16.4	17.9	16.8	18.2	18.6
	3H	18.4	19.7	18.8	20.1	20.5	17.7	19.0	18.1	19.4	19.7
	4H	18.9	20.1	19.3	20.5	20.9	18.3	19.4	18.7	19.8	20.3
	6H	19.4	20.4	19.8	20.8	21.3	18.8	19.9	19.3	20.3	20.7
	8H	19.6	20.6	20.1	21.0	21.5	19.1	20.1	19.6	20.5	21.0
	12H	19.8	20.7	20.3	21.1	21.6	19.3	20.2	19.8	20.7	21.1
8H	4H	19.1	20.0	19.5	20.5	20.9	18.5	19.4	18.9	19.9	20.3
	6H	19.7	20.5	20.2	20.9	21.4	19.2	20.0	19.7	20.5	20.9
	8H	20.0	20.7	20.5	21.2	21.7	19.5	20.2	20.0	20.7	21.2
	12H	20.2	20.9	20.8	21.4	21.9	19.9	20.5	20.4	21.0	21.6
12H	4H	19.1	20.0	19.6	20.4	20.9	18.5	19.4	19.0	19.8	20.3
	6H	19.7	20.4	20.2	20.9	21.4	19.2	20.0	19.8	20.4	21.0
	8H	20.1	20.7	20.6	21.2	21.7	19.6	20.3	20.1	20.8	21.3













(END OF REPORT)