

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: P1527370

Luminaire Tested: 24CGSB-60-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527370
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-60-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

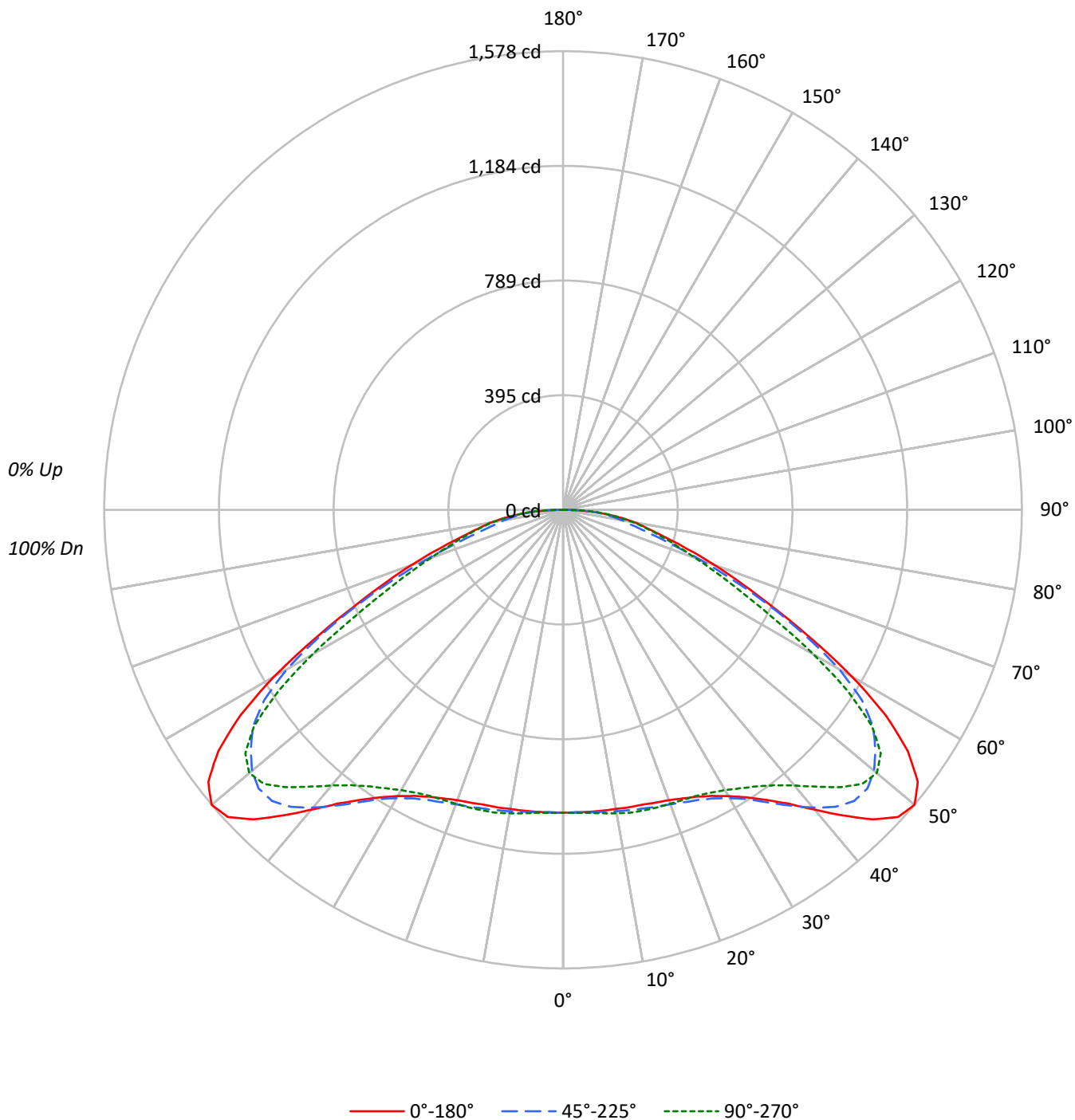
Lumens per Lamp: N/A
Luminaire Lumens: 5202.6 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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				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°	1402	1402	1402
5°	1409	1411	1414
10°	1428	1439	1448
15°	1463	1482	1492
20°	1522	1544	1541
25°	1617	1636	1612
30°	1766	1779	1730
35°	2000	2018	1907
40°	2365	2350	2174
45°	2866	2694	2568
50°	3304	2923	2949
55°	3396	3053	3043
60°	3086	2950	2679
65°	2552	2507	2185
70°	2179	1963	1899
75°	1887	1564	1798
80°	1954	1585	1891
85°	1974	1905	2100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3398 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	1.9
10°-20°	301.6	5.8
20°-30°	509.5	9.8
30°-40°	767.0	14.7
40°-50°	1090.7	21.0
50°-60°	1170.5	22.5
60°-70°	762.8	14.7
70°-80°	366.8	7.1
80°-90°	133.5	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°	911.2	17.5
0°-40°	1678.2	32.3
0°-60°	3939.5	75.7
0°-90°	5202.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5202.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1043	1044	1045	1048	1047	100
15°	1050	1056	1064	1070	1071	299
25°	1089	1099	1102	1092	1086	507
35°	1218	1241	1229	1187	1161	773
45°	1506	1469	1416	1379	1349	1156
55°	1448	1411	1302	1264	1297	1266
65°	802	795	787	703	686	811
75°	363	343	301	342	346	399
85°	128	120	123	127	136	139
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1042.2	1042.2	1042.2	1042.2	1042.2
2.5°	1041.3	1042.2	1043.1	1044.0	1044.0
5°	1043.1	1044.0	1044.9	1048.5	1046.7
7.5°	1044.0	1044.9	1047.6	1053.0	1053.0
10°	1044.9	1047.6	1053.0	1058.4	1060.2
12.5°	1048.5	1051.2	1058.4	1065.6	1067.4
15°	1050.3	1055.7	1063.8	1070.1	1071.0
17.5°	1056.6	1062.0	1071.0	1073.7	1073.7
20°	1062.9	1070.1	1078.2	1078.2	1076.4
22.5°	1074.6	1082.8	1089.1	1083.7	1080.0
25°	1089.1	1099.0	1101.7	1091.8	1085.5
27.5°	1109.8	1122.4	1118.8	1105.3	1097.2
30°	1136.8	1153.0	1144.9	1125.1	1113.4
32.5°	1172.8	1192.6	1179.1	1153.9	1135.9
35°	1217.9	1241.3	1228.7	1187.2	1161.1
37.5°	1273.7	1298.0	1282.7	1229.6	1194.4
40°	1346.7	1359.3	1337.7	1280.0	1237.7
42.5°	1426.0	1419.6	1386.3	1333.2	1291.7
45°	1506.1	1469.2	1416.0	1379.1	1349.4
47.5°	1563.8	1495.3	1419.6	1400.7	1395.3
50°	1578.2	1489.9	1396.2	1389.0	1408.8
52.5°	1537.6	1461.1	1353.9	1341.3	1377.3
55°	1447.6	1410.6	1301.6	1263.8	1297.1
57.5°	1315.2	1312.5	1218.8	1151.2	1160.2
60°	1146.7	1157.5	1096.3	1000.8	995.4
62.5°	964.7	971.1	944.0	844.9	826.0
65°	801.7	795.4	787.3	702.6	686.4
67.5°	667.5	648.6	636.0	584.6	576.5
70°	554.0	524.3	499.0	490.9	482.8
72.5°	448.6	427.0	386.4	409.0	408.1
75°	363.0	343.2	300.9	342.3	345.9
77.5°	297.3	283.7	243.2	281.0	292.8
80°	252.2	224.3	204.5	228.8	244.1
82.5°	192.8	171.2	166.6	176.6	191.0
85°	127.9	119.8	123.4	127.0	136.0
87.5°	64.9	69.4	74.8	81.1	85.6
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	17.6	19.4	17.9	19.7	20.0	16.7	18.4	17.0	18.8	19.1
	3H	18.7	20.3	19.1	20.6	21.0	17.8	19.4	18.2	19.7	20.1
	4H	19.1	20.6	19.5	20.9	21.3	18.3	19.8	18.7	20.1	20.5
	6H	19.4	20.8	19.8	21.2	21.6	18.7	20.1	19.1	20.5	20.9
	8H	19.6	20.9	20.0	21.3	21.7	18.9	20.3	19.3	20.6	21.0
	12H	19.7	21.0	20.1	21.4	21.8	19.1	20.4	19.5	20.8	21.2
4H	2H	18.0	19.5	18.4	19.9	20.2	17.2	18.7	17.6	19.1	19.5
	3H	19.3	20.5	19.7	20.9	21.3	18.5	19.8	18.9	20.2	20.6
	4H	19.8	20.9	20.2	21.3	21.8	19.1	20.3	19.6	20.7	21.1
	6H	20.3	21.3	20.7	21.7	22.2	19.7	20.7	20.2	21.2	21.6
	8H	20.5	21.4	20.9	21.9	22.3	20.0	20.9	20.4	21.4	21.8
	12H	20.7	21.5	21.1	22.0	22.5	20.2	21.1	20.7	21.5	22.0
8H	4H	19.9	20.9	20.4	21.3	21.8	19.3	20.3	19.8	20.7	21.2
	6H	20.5	21.3	21.0	21.8	22.3	20.0	20.8	20.5	21.3	21.8
	8H	20.8	21.5	21.3	22.0	22.5	20.4	21.1	20.9	21.6	22.1
	12H	21.1	21.8	21.6	22.2	22.8	20.7	21.4	21.2	21.9	22.4
12H	4H	20.0	20.8	20.4	21.3	21.8	19.4	20.2	19.8	20.7	21.2
	6H	20.6	21.3	21.1	21.8	22.3	20.1	20.8	20.6	21.3	21.8
	8H	20.9	21.6	21.4	22.1	22.6	20.5	21.2	21.0	21.6	22.2















(END OF REPORT)