

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: P1527369

Luminaire Tested: 24CGSB-60-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527369
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

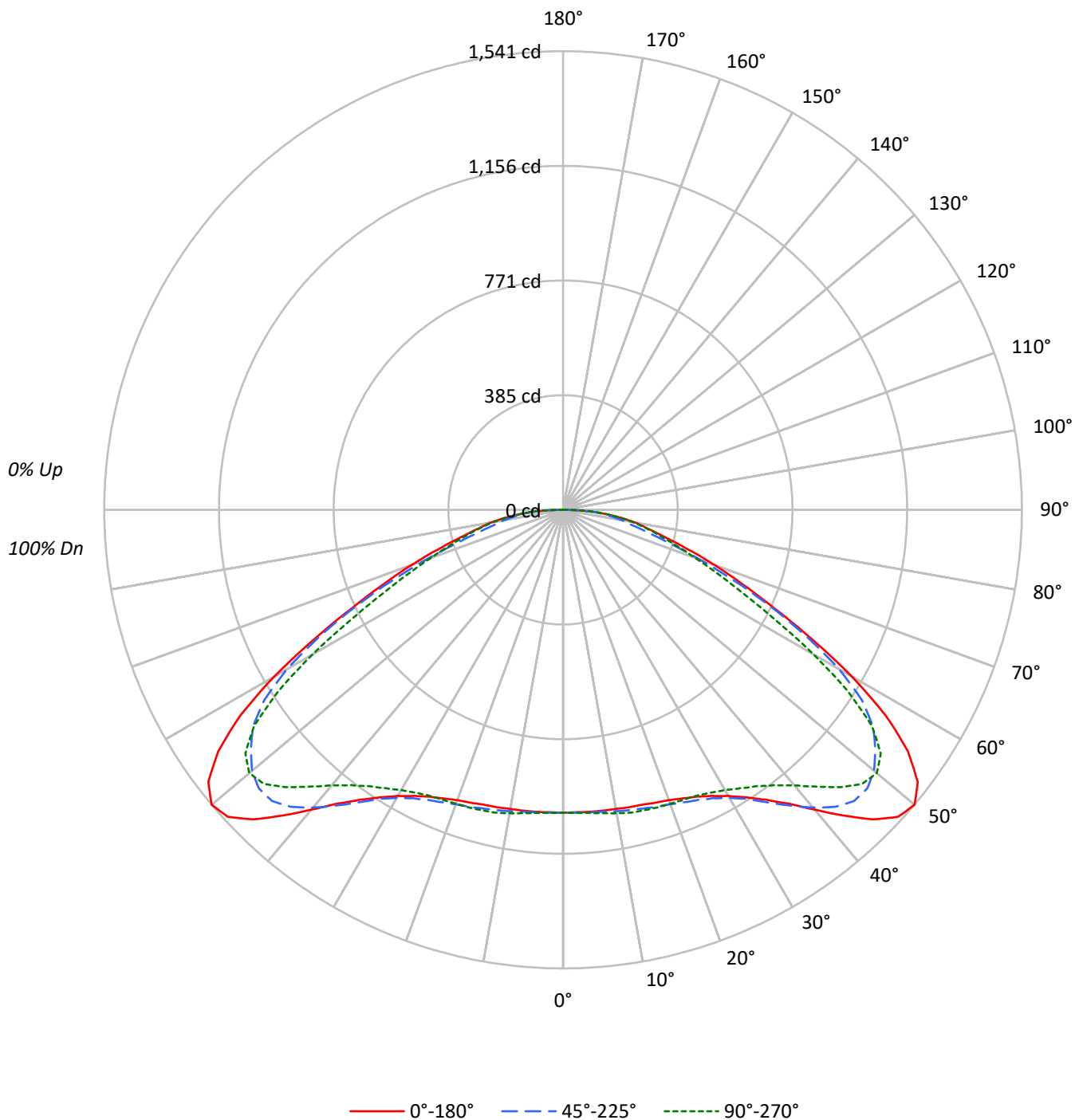
Lumens per Lamp: N/A
Luminaire Lumens: 5080.2 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1369	1369	1369
5°	1376	1378	1380
10°	1394	1405	1414
15°	1429	1447	1457
20°	1486	1508	1505
25°	1579	1597	1574
30°	1725	1737	1689
35°	1953	1971	1862
40°	2310	2294	2123
45°	2798	2631	2507
50°	3226	2854	2880
55°	3316	2981	2971
60°	3013	2881	2616
65°	2492	2448	2134
70°	2128	1917	1855
75°	1843	1527	1756
80°	1908	1547	1847
85°	1928	1860	2050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3319 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	1.9
10°-20°	294.6	5.8
20°-30°	497.5	9.8
30°-40°	749.0	14.7
40°-50°	1065.0	21.0
50°-60°	1143.0	22.5
60°-70°	744.9	14.7
70°-80°	358.2	7.0
80°-90°	130.3	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°	889.8	17.5
0°-40°	1638.8	32.3
0°-60°	3846.8	75.7
0°-90°	5080.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5080.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1019	1020	1020	1024	1022	97
15°	1026	1031	1039	1045	1046	292
25°	1063	1073	1076	1066	1060	495
35°	1189	1212	1200	1159	1134	755
45°	1471	1435	1383	1347	1318	1129
55°	1414	1377	1271	1234	1267	1237
65°	783	777	769	686	670	792
75°	354	335	294	334	338	389
85°	125	117	120	124	133	136
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.7	1017.7	1017.7	1017.7	1017.7
2.5°	1016.8	1017.7	1018.6	1019.5	1019.5
5°	1018.6	1019.5	1020.3	1023.8	1022.1
7.5°	1019.5	1020.3	1023.0	1028.2	1028.2
10°	1020.3	1023.0	1028.2	1033.5	1035.3
12.5°	1023.8	1026.5	1033.5	1040.6	1042.3
15°	1025.6	1030.9	1038.8	1045.0	1045.8
17.5°	1031.8	1037.0	1045.8	1048.5	1048.5
20°	1037.9	1045.0	1052.9	1052.9	1051.1
22.5°	1049.4	1057.3	1063.4	1058.2	1054.6
25°	1063.4	1073.1	1075.7	1066.1	1059.9
27.5°	1083.7	1096.0	1092.5	1079.3	1071.3
30°	1110.0	1125.9	1118.0	1098.6	1087.2
32.5°	1145.2	1164.6	1151.4	1126.8	1109.2
35°	1189.2	1212.1	1199.8	1159.3	1133.8
37.5°	1243.7	1267.5	1252.5	1200.6	1166.3
40°	1315.0	1327.3	1306.2	1249.9	1208.6
42.5°	1392.4	1386.2	1353.7	1301.8	1261.3
45°	1470.7	1434.6	1382.7	1346.7	1317.6
47.5°	1527.0	1460.1	1386.2	1367.8	1362.5
50°	1541.1	1454.9	1363.4	1356.3	1375.7
52.5°	1501.5	1426.7	1322.0	1309.7	1344.9
55°	1413.5	1377.4	1271.0	1234.1	1266.6
57.5°	1284.2	1281.6	1190.1	1124.1	1132.9
60°	1119.7	1130.3	1070.5	977.2	972.0
62.5°	942.0	948.2	921.8	825.1	806.6
65°	782.8	776.7	768.8	686.1	670.3
67.5°	651.8	633.3	621.0	570.9	562.9
70°	541.0	511.9	487.3	479.4	471.5
72.5°	438.0	416.9	377.3	399.3	398.5
75°	354.5	335.1	293.8	334.2	337.8
77.5°	290.3	277.1	237.5	274.4	285.9
80°	246.3	219.0	199.7	223.4	238.4
82.5°	188.2	167.1	162.7	172.4	186.5
85°	124.9	117.0	120.5	124.0	132.8
87.5°	63.3	67.7	73.0	79.2	83.6
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	17.5	19.3	17.9	19.6	19.9	16.6	18.4	16.9	18.7	19.0
	3H	18.6	20.2	19.0	20.5	20.9	17.7	19.3	18.1	19.7	20.0
	4H	19.0	20.5	19.4	20.9	21.2	18.2	19.7	18.6	20.0	20.4
	6H	19.3	20.8	19.8	21.1	21.5	18.6	20.0	19.0	20.4	20.8
	8H	19.5	20.9	19.9	21.2	21.6	18.8	20.2	19.2	20.6	21.0
	12H	19.6	20.9	20.1	21.3	21.7	19.0	20.3	19.4	20.7	21.1
4H	2H	17.9	19.4	18.3	19.8	20.1	17.1	18.7	17.5	19.0	19.4
	3H	19.2	20.5	19.6	20.9	21.3	18.5	19.7	18.9	20.1	20.5
	4H	19.7	20.8	20.1	21.3	21.7	19.0	20.2	19.5	20.6	21.0
	6H	20.2	21.2	20.6	21.6	22.1	19.6	20.6	20.1	21.1	21.5
	8H	20.4	21.3	20.8	21.8	22.2	19.9	20.8	20.3	21.3	21.7
	12H	20.6	21.5	21.1	21.9	22.4	20.1	21.0	20.6	21.5	21.9
8H	4H	19.8	20.8	20.3	21.2	21.7	19.3	20.2	19.7	20.6	21.1
	6H	20.4	21.2	20.9	21.7	22.2	20.0	20.8	20.4	21.2	21.7
	8H	20.7	21.5	21.2	22.0	22.4	20.3	21.0	20.8	21.5	22.0
	12H	21.0	21.7	21.5	22.2	22.7	20.7	21.3	21.2	21.8	22.3
12H	4H	19.9	20.7	20.3	21.2	21.7	19.3	20.1	19.8	20.6	21.1
	6H	20.5	21.2	21.0	21.7	22.2	20.0	20.8	20.5	21.2	21.7
	8H	20.8	21.5	21.3	22.0	22.5	20.4	21.1	20.9	21.6	22.1













(END OF REPORT)