

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: P1527366

Luminaire Tested: 24CGSB-60-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527366
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

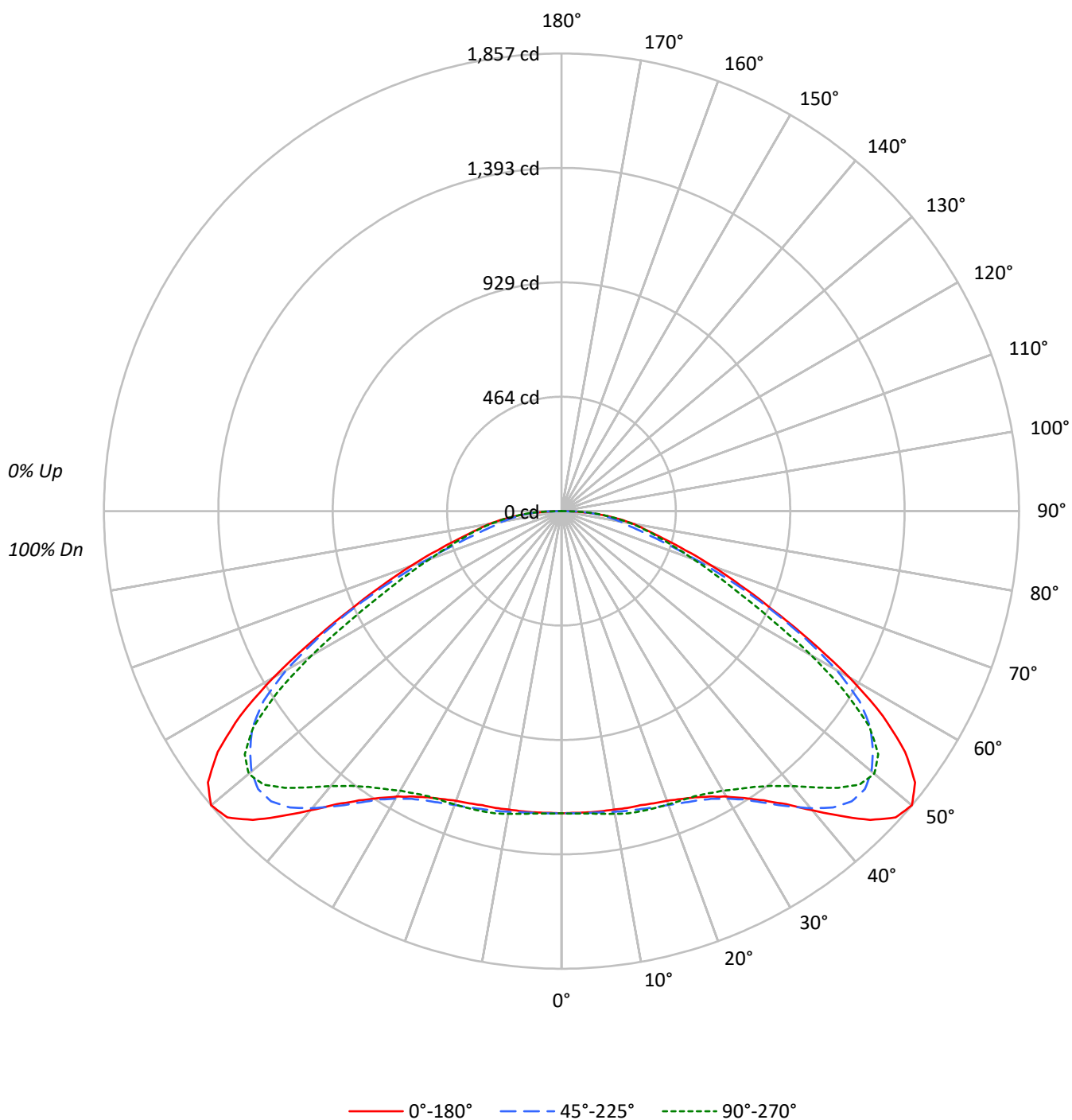
Lumens per Lamp: N/A
Luminaire Lumens: 6120.7 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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							
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°	1650	1650	1650
5°	1657	1660	1663
10°	1680	1693	1704
15°	1721	1743	1755
20°	1791	1816	1813
25°	1902	1924	1896
30°	2078	2093	2035
35°	2353	2374	2244
40°	2783	2764	2558
45°	3372	3170	3021
50°	3886	3438	3469
55°	3995	3592	3580
60°	3630	3471	3151
65°	3003	2949	2571
70°	2564	2310	2234
75°	2220	1840	2115
80°	2299	1864	2225
85°	2323	2242	2470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.9
10°-20°	354.9	5.8
20°-30°	599.4	9.8
30°-40°	902.4	14.7
40°-50°	1283.2	21.0
50°-60°	1377.1	22.5
60°-70°	897.5	14.7
70°-80°	431.5	7.0
80°-90°	157.1	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°	1072.0	17.5
0°-40°	1974.4	32.3
0°-60°	4634.7	75.7
0°-90°	6120.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6120.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1227	1228	1229	1234	1231	117
15°	1236	1242	1252	1259	1260	351
25°	1281	1293	1296	1284	1277	597
35°	1433	1460	1446	1397	1366	909
45°	1772	1728	1666	1622	1588	1360
55°	1703	1660	1531	1487	1526	1490
65°	943	936	926	827	808	954
75°	427	404	354	403	407	469
85°	150	141	145	149	160	164
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.1	1226.1	1226.1	1226.1	1226.1
2.5°	1225.1	1226.1	1227.2	1228.3	1228.3
5°	1227.2	1228.3	1229.3	1233.6	1231.4
7.5°	1228.3	1229.3	1232.5	1238.9	1238.9
10°	1229.3	1232.5	1238.9	1245.2	1247.3
12.5°	1233.6	1236.7	1245.2	1253.7	1255.8
15°	1235.7	1242.0	1251.6	1259.0	1260.0
17.5°	1243.1	1249.4	1260.0	1263.2	1263.2
20°	1250.5	1259.0	1268.5	1268.5	1266.4
22.5°	1264.3	1273.8	1281.2	1274.9	1270.6
25°	1281.2	1292.9	1296.1	1284.4	1277.0
27.5°	1305.6	1320.5	1316.2	1300.3	1290.8
30°	1337.4	1356.5	1346.9	1323.6	1309.9
32.5°	1379.8	1403.1	1387.2	1357.5	1336.3
35°	1432.8	1460.3	1445.5	1396.8	1366.0
37.5°	1498.5	1527.1	1509.1	1446.6	1405.2
40°	1584.3	1599.2	1573.7	1505.9	1456.1
42.5°	1677.6	1670.2	1631.0	1568.4	1519.7
45°	1771.9	1728.5	1665.9	1622.5	1587.5
47.5°	1839.7	1759.2	1670.2	1647.9	1641.6
50°	1856.7	1752.8	1642.6	1634.1	1657.5
52.5°	1809.0	1718.9	1592.8	1578.0	1620.4
55°	1703.0	1659.6	1531.3	1486.8	1526.0
57.5°	1547.2	1544.1	1433.8	1354.4	1365.0
60°	1349.1	1361.8	1289.7	1177.4	1171.0
62.5°	1135.0	1142.4	1110.6	994.0	971.8
65°	943.2	935.8	926.2	826.6	807.5
67.5°	785.3	763.0	748.2	687.8	678.2
70°	651.7	616.8	587.1	577.6	568.0
72.5°	527.8	502.3	454.6	481.1	480.1
75°	427.1	403.8	354.0	402.7	406.9
77.5°	349.7	333.8	286.1	330.6	344.4
80°	296.7	263.9	240.6	269.2	287.2
82.5°	226.8	201.4	196.1	207.7	224.7
85°	150.5	140.9	145.2	149.4	160.0
87.5°	76.3	81.6	88.0	95.4	100.7
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	18.1	19.9	18.5	20.2	20.5	17.2	19.0	17.6	19.3	19.6
	3H	19.2	20.9	19.6	21.2	21.5	18.4	20.0	18.7	20.3	20.7
	4H	19.6	21.2	20.0	21.5	21.9	18.8	20.3	19.2	20.7	21.1
	6H	20.0	21.4	20.4	21.8	22.2	19.3	20.7	19.7	21.0	21.4
	8H	20.1	21.5	20.6	21.9	22.3	19.5	20.8	19.9	21.2	21.6
	12H	20.3	21.6	20.7	22.0	22.4	19.6	20.9	20.1	21.3	21.7
4H	2H	18.5	20.1	18.9	20.4	20.8	17.8	19.3	18.2	19.7	20.0
	3H	19.8	21.1	20.2	21.5	21.9	19.1	20.4	19.5	20.8	21.2
	4H	20.3	21.5	20.8	21.9	22.3	19.7	20.8	20.1	21.3	21.7
	6H	20.8	21.8	21.3	22.3	22.7	20.3	21.3	20.7	21.7	22.2
	8H	21.0	22.0	21.5	22.4	22.9	20.5	21.5	21.0	21.9	22.4
	12H	21.2	22.1	21.7	22.6	23.0	20.8	21.6	21.2	22.1	22.6
8H	4H	20.5	21.4	20.9	21.9	22.3	19.9	20.9	20.4	21.3	21.8
	6H	21.1	21.9	21.6	22.4	22.8	20.6	21.4	21.1	21.9	22.4
	8H	21.4	22.1	21.9	22.6	23.1	21.0	21.7	21.5	22.2	22.7
	12H	21.7	22.3	22.2	22.8	23.4	21.3	22.0	21.8	22.4	23.0
12H	4H	20.5	21.4	21.0	21.9	22.3	19.9	20.8	20.4	21.3	21.7
	6H	21.2	21.9	21.7	22.3	22.9	20.7	21.4	21.2	21.9	22.4
	8H	21.5	22.1	22.0	22.6	23.2	21.1	21.7	21.6	22.2	22.8















(END OF REPORT)