

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: P1527384

Luminaire Tested: 24CGSB-80-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527384
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-80-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

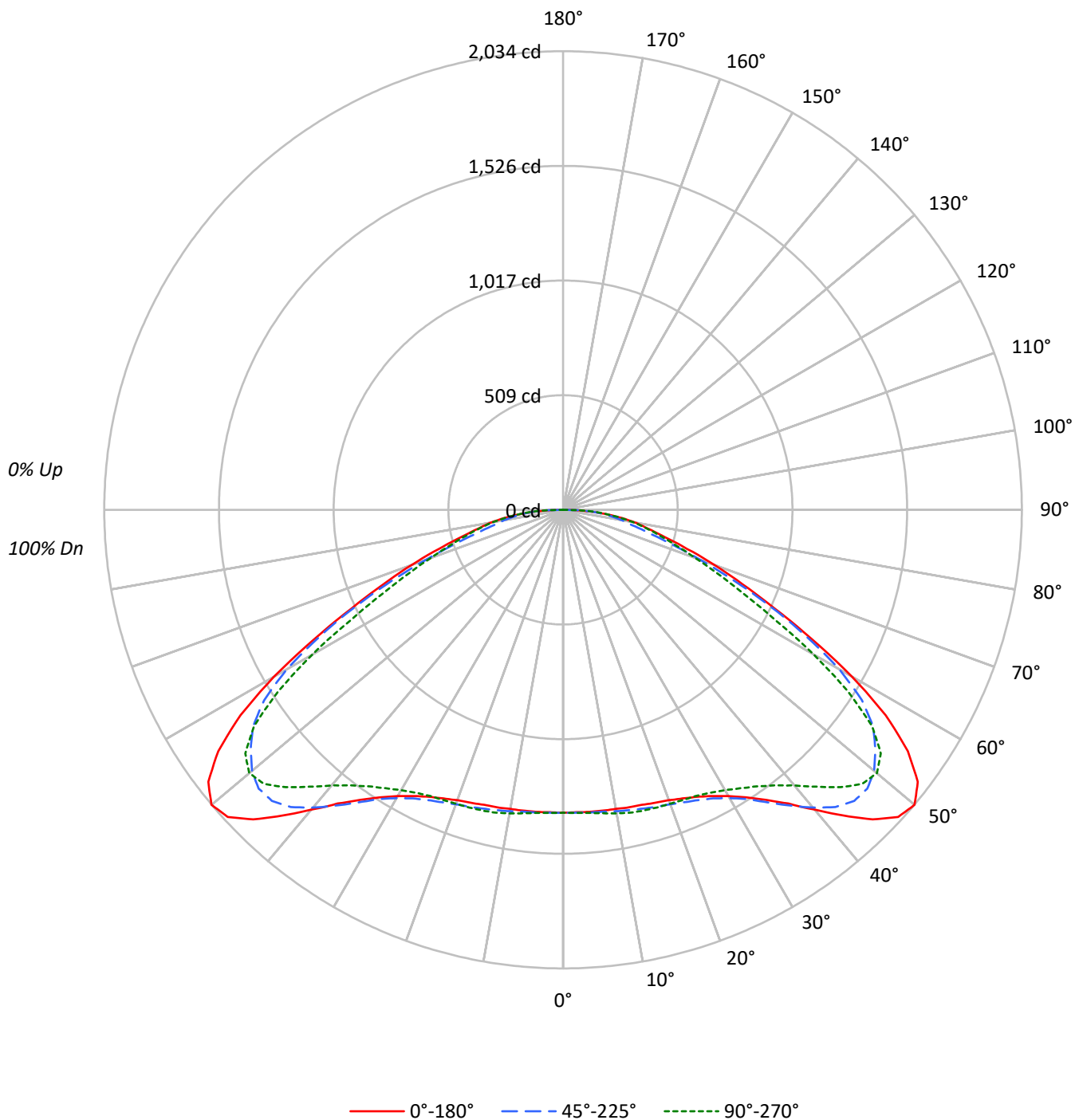
Lumens per Lamp: N/A
Luminaire Lumens: 6706.6 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.9
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
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°	1808	1808	1808
5°	1816	1819	1822
10°	1840	1855	1867
15°	1886	1910	1923
20°	1962	1990	1987
25°	2084	2108	2077
30°	2277	2293	2230
35°	2579	2602	2459
40°	3049	3029	2802
45°	3694	3473	3310
50°	4258	3768	3801
55°	4377	3936	3922
60°	3978	3803	3453
65°	3290	3231	2817
70°	2809	2531	2448
75°	2433	2016	2318
80°	2519	2042	2438
85°	2546	2456	2706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	1.9
10°-20°	388.9	5.8
20°-30°	656.8	9.8
30°-40°	988.8	14.7
40°-50°	1406.0	21.0
50°-60°	1508.9	22.5
60°-70°	983.4	14.7
70°-80°	472.8	7.1
80°-90°	172.1	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°	1174.6	17.5
0°-40°	2163.4	32.3
0°-60°	5078.3	75.7
0°-90°	6706.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6706.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1345	1346	1347	1352	1349	128
15°	1354	1361	1371	1380	1381	385
25°	1404	1417	1420	1407	1399	654
35°	1570	1600	1584	1530	1497	997
45°	1942	1894	1825	1778	1740	1490
55°	1866	1818	1678	1629	1672	1632
65°	1034	1025	1015	906	885	1046
75°	468	442	388	441	446	514
85°	165	154	159	164	175	179
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1343.5	1343.5	1343.5	1343.5	1343.5
2.5°	1342.3	1343.5	1344.7	1345.8	1345.8
5°	1344.7	1345.8	1347.0	1351.6	1349.3
7.5°	1345.8	1347.0	1350.5	1357.4	1357.4
10°	1347.0	1350.5	1357.4	1364.4	1366.7
12.5°	1351.6	1355.1	1364.4	1373.7	1376.0
15°	1354.0	1360.9	1371.4	1379.5	1380.7
17.5°	1362.1	1369.0	1380.7	1384.1	1384.1
20°	1370.2	1379.5	1390.0	1390.0	1387.6
22.5°	1385.3	1395.8	1403.9	1396.9	1392.3
25°	1403.9	1416.7	1420.1	1407.4	1399.2
27.5°	1430.6	1446.8	1442.2	1424.8	1414.3
30°	1465.4	1486.3	1475.9	1450.3	1435.2
32.5°	1511.9	1537.4	1520.0	1487.5	1464.3
35°	1569.9	1600.1	1583.9	1530.5	1496.8
37.5°	1641.9	1673.3	1653.5	1585.0	1539.7
40°	1736.0	1752.2	1724.4	1650.1	1595.5
42.5°	1838.2	1830.0	1787.1	1718.6	1665.2
45°	1941.5	1893.9	1825.4	1777.8	1739.5
47.5°	2015.8	1927.6	1830.0	1805.7	1798.7
50°	2034.4	1920.6	1799.9	1790.6	1816.1
52.5°	1982.2	1883.5	1745.3	1729.0	1775.5
55°	1866.0	1818.4	1677.9	1629.2	1672.1
57.5°	1695.3	1691.9	1571.1	1484.0	1495.6
60°	1478.2	1492.1	1413.2	1290.1	1283.1
62.5°	1243.6	1251.8	1216.9	1089.2	1064.8
65°	1033.5	1025.3	1014.9	905.7	884.8
67.5°	860.4	836.1	819.8	753.6	743.2
70°	714.1	675.8	643.3	632.9	622.4
72.5°	578.3	550.4	498.2	527.2	526.0
75°	468.0	442.4	387.8	441.3	445.9
77.5°	383.2	365.8	313.5	362.3	377.4
80°	325.1	289.1	263.6	294.9	314.7
82.5°	248.5	220.6	214.8	227.6	246.2
85°	164.9	154.4	159.1	163.7	175.3
87.5°	83.6	89.4	96.4	104.5	110.3
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	18.5	20.2	18.8	20.5	20.9	17.5	19.3	17.9	19.6	20.0
	3H	19.6	21.2	19.9	21.5	21.9	18.7	20.3	19.1	20.6	21.0
	4H	19.9	21.5	20.3	21.8	22.2	19.1	20.7	19.5	21.0	21.4
	6H	20.3	21.7	20.7	22.1	22.5	19.6	21.0	20.0	21.4	21.7
	8H	20.5	21.8	20.9	22.2	22.6	19.8	21.1	20.2	21.5	21.9
	12H	20.6	21.9	21.0	22.3	22.7	20.0	21.3	20.4	21.6	22.1
4H	2H	18.9	20.4	19.3	20.7	21.1	18.1	19.6	18.5	20.0	20.3
	3H	20.1	21.4	20.6	21.8	22.2	19.4	20.7	19.8	21.1	21.5
	4H	20.6	21.8	21.1	22.2	22.6	20.0	21.2	20.4	21.6	22.0
	6H	21.1	22.2	21.6	22.6	23.0	20.6	21.6	21.0	22.0	22.5
	8H	21.4	22.3	21.8	22.8	23.2	20.8	21.8	21.3	22.2	22.7
	12H	21.6	22.4	22.0	22.9	23.4	21.1	22.0	21.6	22.4	22.9
8H	4H	20.8	21.8	21.3	22.2	22.7	20.2	21.2	20.7	21.6	22.1
	6H	21.4	22.2	21.9	22.7	23.2	20.9	21.7	21.4	22.2	22.7
	8H	21.7	22.4	22.2	22.9	23.4	21.3	22.0	21.8	22.5	23.0
	12H	22.0	22.6	22.5	23.1	23.7	21.6	22.3	22.1	22.8	23.3
12H	4H	20.8	21.7	21.3	22.2	22.6	20.3	21.1	20.7	21.6	22.1
	6H	21.5	22.2	22.0	22.6	23.2	21.0	21.7	21.5	22.2	22.7
	8H	21.8	22.5	22.3	22.9	23.5	21.4	22.0	21.9	22.5	23.1













(END OF REPORT)