

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: P1527383

Luminaire Tested: 24CGSB-80-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527383
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

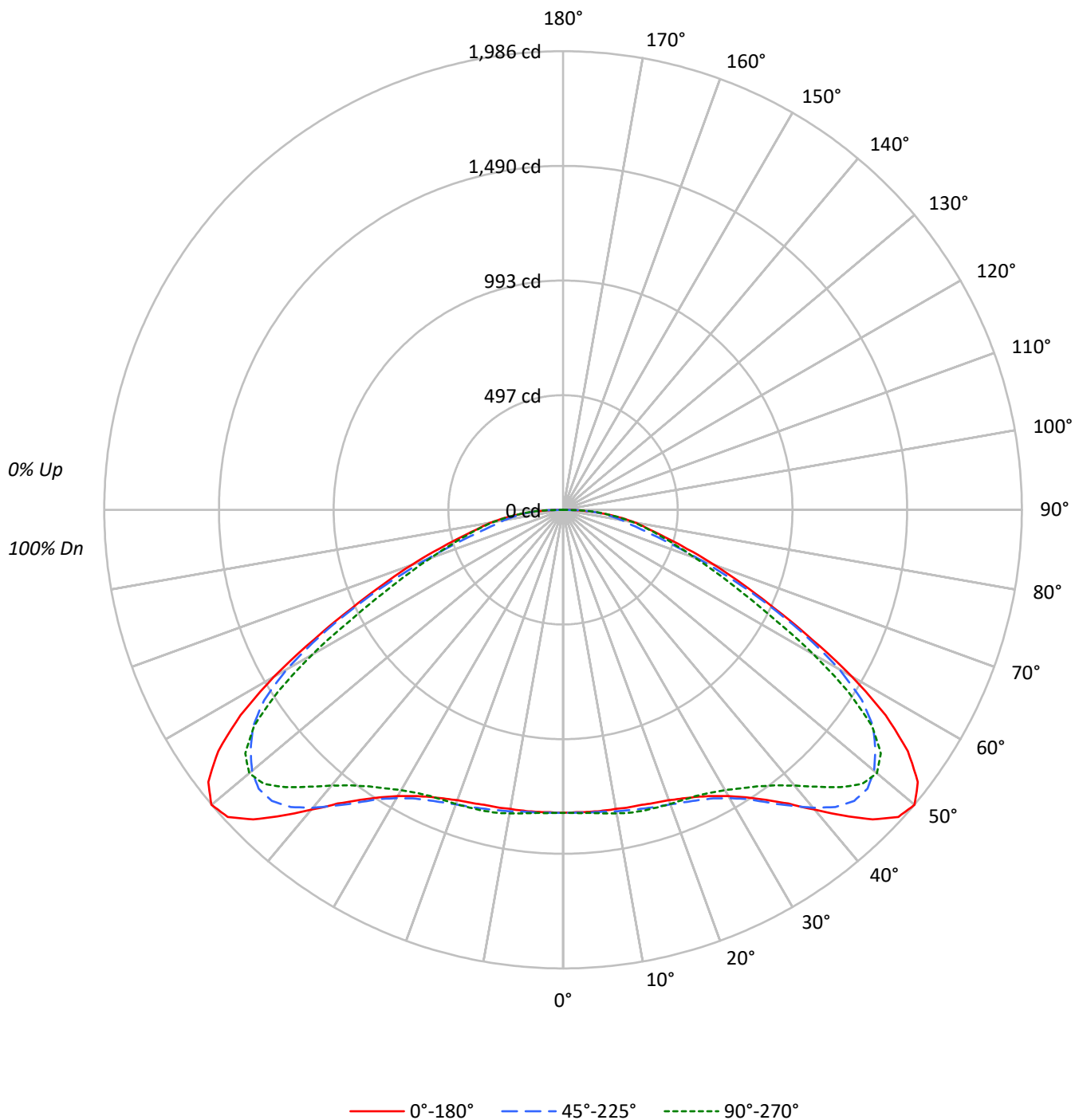
Lumens per Lamp: N/A
Luminaire Lumens: 6548.7 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1765	1765	1765
5°	1773	1776	1780
10°	1797	1811	1823
15°	1842	1865	1878
20°	1916	1943	1940
25°	2035	2059	2028
30°	2223	2239	2177
35°	2518	2540	2401
40°	2977	2957	2736
45°	3607	3392	3232
50°	4158	3679	3712
55°	4274	3843	3830
60°	3884	3713	3372
65°	3213	3155	2751
70°	2743	2471	2391
75°	2376	1969	2263
80°	2460	1994	2381
85°	2485	2397	2643

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4278 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.9
10°-20°	379.7	5.8
20°-30°	641.4	9.8
30°-40°	965.5	14.7
40°-50°	1372.9	21.0
50°-60°	1473.4	22.5
60°-70°	960.2	14.7
70°-80°	461.7	7.1
80°-90°	168.0	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°	1147.0	17.5
0°-40°	2112.5	32.3
0°-60°	4958.8	75.7
0°-90°	6548.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6548.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1312	1312	1312	1312	1312	
5°	1313	1314	1315	1320	1318	125
15°	1322	1329	1339	1347	1348	376
25°	1371	1383	1387	1374	1366	638
35°	1533	1562	1547	1494	1462	973
45°	1896	1849	1782	1736	1698	1455
55°	1822	1776	1638	1591	1633	1594
65°	1009	1001	991	884	864	1021
75°	457	432	379	431	435	502
85°	161	151	155	160	171	175
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.9	1311.9	1311.9	1311.9	1311.9
2.5°	1310.8	1311.9	1313.0	1314.2	1314.2
5°	1313.0	1314.2	1315.3	1319.8	1317.6
7.5°	1314.2	1315.3	1318.7	1325.5	1325.5
10°	1315.3	1318.7	1325.5	1332.3	1334.6
12.5°	1319.8	1323.2	1332.3	1341.4	1343.6
15°	1322.1	1328.9	1339.1	1347.0	1348.2
17.5°	1330.0	1336.8	1348.2	1351.6	1351.6
20°	1338.0	1347.0	1357.2	1357.2	1355.0
22.5°	1352.7	1362.9	1370.9	1364.0	1359.5
25°	1370.9	1383.3	1386.7	1374.3	1366.3
27.5°	1396.9	1412.8	1408.3	1391.3	1381.1
30°	1430.9	1451.4	1441.2	1416.2	1401.5
32.5°	1476.3	1501.2	1484.2	1452.5	1429.8
35°	1533.0	1562.5	1546.6	1494.4	1461.6
37.5°	1603.3	1633.9	1614.6	1547.7	1503.5
40°	1695.1	1711.0	1683.8	1611.2	1557.9
42.5°	1794.9	1787.0	1745.0	1678.1	1626.0
45°	1895.8	1849.3	1782.4	1736.0	1698.5
47.5°	1968.4	1882.2	1787.0	1763.2	1756.4
50°	1986.5	1875.4	1757.5	1748.4	1773.4
52.5°	1935.5	1839.1	1704.2	1688.3	1733.7
55°	1822.1	1775.6	1638.4	1590.8	1632.8
57.5°	1655.5	1652.1	1534.1	1449.1	1460.4
60°	1443.4	1457.0	1379.9	1259.7	1252.9
62.5°	1214.4	1222.3	1188.3	1063.6	1039.8
65°	1009.1	1001.2	991.0	884.4	864.0
67.5°	840.2	816.4	800.5	735.9	725.7
70°	697.3	659.9	628.2	618.0	607.8
72.5°	564.7	537.5	486.4	514.8	513.6
75°	457.0	432.0	378.7	430.9	435.4
77.5°	374.2	357.2	306.1	353.8	368.5
80°	317.5	282.3	257.4	288.0	307.3
82.5°	242.6	215.4	209.8	222.2	240.4
85°	161.0	150.8	155.3	159.9	171.2
87.5°	81.6	87.3	94.1	102.0	107.7
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	18.4	20.2	18.7	20.5	20.8	17.5	19.2	17.8	19.6	19.9
	3H	19.5	21.1	19.8	21.4	21.8	18.6	20.2	19.0	20.5	20.9
	4H	19.9	21.4	20.3	21.7	22.1	19.1	20.6	19.5	20.9	21.3
	6H	20.2	21.6	20.6	22.0	22.4	19.5	20.9	19.9	21.3	21.7
	8H	20.4	21.7	20.8	22.1	22.5	19.7	21.1	20.1	21.4	21.8
	12H	20.5	21.8	20.9	22.2	22.6	19.9	21.2	20.3	21.6	22.0
4H	2H	18.8	20.3	19.2	20.7	21.0	18.0	19.5	18.4	19.9	20.3
	3H	20.1	21.3	20.5	21.7	22.1	19.3	20.6	19.7	21.0	21.4
	4H	20.6	21.7	21.0	22.1	22.6	19.9	21.1	20.4	21.5	21.9
	6H	21.1	22.1	21.5	22.5	23.0	20.5	21.5	21.0	22.0	22.4
	8H	21.3	22.2	21.7	22.7	23.1	20.8	21.7	21.2	22.2	22.6
	12H	21.5	22.3	21.9	22.8	23.3	21.0	21.9	21.5	22.3	22.8
8H	4H	20.7	21.7	21.2	22.1	22.6	20.1	21.1	20.6	21.5	22.0
	6H	21.3	22.1	21.8	22.6	23.1	20.8	21.6	21.3	22.1	22.6
	8H	21.6	22.3	22.1	22.8	23.3	21.2	21.9	21.7	22.4	22.9
	12H	21.9	22.6	22.4	23.0	23.6	21.5	22.2	22.0	22.7	23.2
12H	4H	20.8	21.6	21.2	22.1	22.6	20.2	21.0	20.6	21.5	22.0
	6H	21.4	22.1	21.9	22.6	23.1	20.9	21.6	21.4	22.1	22.6
	8H	21.7	22.4	22.2	22.9	23.4	21.3	22.0	21.8	22.4	23.0















(END OF REPORT)