

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: P1527385

Luminaire Tested: 24CGSB-80-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527385
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

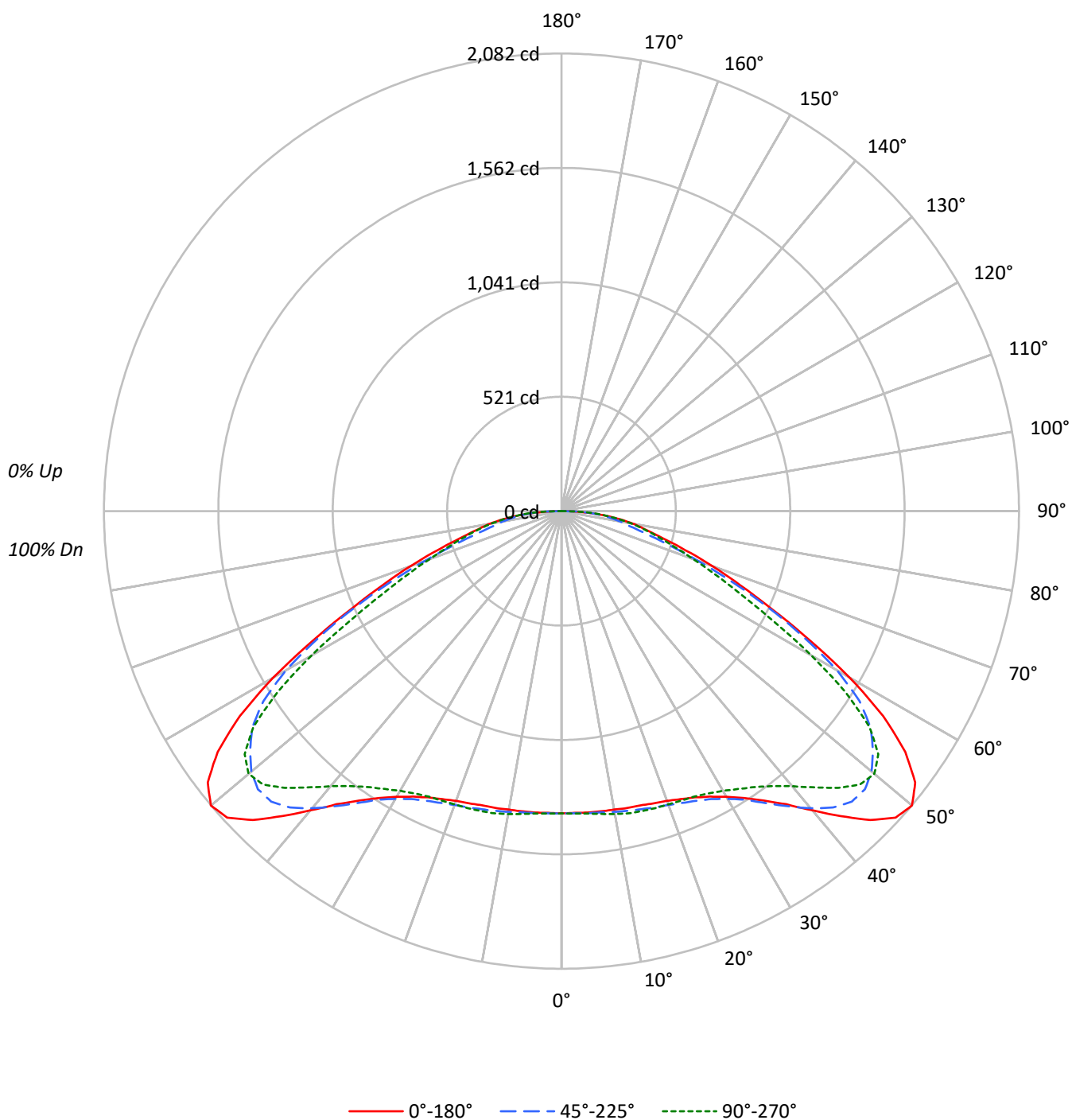
Lumens per Lamp: N/A
Luminaire Lumens: 6864.4 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1850	1850	1850
5°	1859	1862	1865
10°	1884	1898	1911
15°	1930	1955	1968
20°	2008	2037	2034
25°	2133	2158	2126
30°	2330	2347	2282
35°	2639	2663	2516
40°	3121	3100	2868
45°	3781	3555	3388
50°	4359	3856	3891
55°	4480	4029	4015
60°	4071	3892	3534
65°	3368	3307	2883
70°	2875	2590	2506
75°	2490	2064	2373
80°	2579	2091	2496
85°	2606	2513	2771

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	1.9
10°-20°	398.0	5.8
20°-30°	672.3	9.8
30°-40°	1012.0	14.7
40°-50°	1439.1	21.0
50°-60°	1544.4	22.5
60°-70°	1006.5	14.7
70°-80°	483.9	7.1
80°-90°	176.1	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°	1202.3	17.5
0°-40°	2214.3	32.3
0°-60°	5197.8	75.7
0°-90°	6864.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6864.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1376	1378	1379	1383	1381	131
15°	1386	1393	1404	1412	1413	394
25°	1437	1450	1454	1440	1432	669
35°	1607	1638	1621	1566	1532	1020
45°	1987	1938	1868	1820	1780	1526
55°	1910	1861	1717	1668	1712	1671
65°	1058	1050	1039	927	906	1070
75°	479	453	397	452	456	526
85°	169	158	163	168	180	184
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1375.1	1375.1	1375.1	1375.1	1375.1
2.5°	1373.9	1375.1	1376.3	1377.5	1377.5
5°	1376.3	1377.5	1378.7	1383.4	1381.1
7.5°	1377.5	1378.7	1382.2	1389.4	1389.4
10°	1378.7	1382.2	1389.4	1396.5	1398.9
12.5°	1383.4	1387.0	1396.5	1406.0	1408.4
15°	1385.8	1392.9	1403.6	1412.0	1413.1
17.5°	1394.1	1401.3	1413.1	1416.7	1416.7
20°	1402.4	1412.0	1422.7	1422.7	1420.3
22.5°	1417.9	1428.6	1436.9	1429.8	1425.0
25°	1436.9	1450.0	1453.6	1440.5	1432.2
27.5°	1464.3	1480.9	1476.1	1458.3	1447.6
30°	1499.9	1521.3	1510.6	1484.5	1469.0
32.5°	1547.4	1573.6	1555.8	1522.5	1498.7
35°	1606.9	1637.8	1621.1	1566.5	1532.0
37.5°	1680.6	1712.7	1692.4	1622.3	1576.0
40°	1776.8	1793.5	1764.9	1688.9	1633.0
42.5°	1881.4	1873.1	1829.1	1759.0	1704.3
45°	1987.2	1938.5	1868.3	1819.6	1780.4
47.5°	2063.3	1972.9	1873.1	1848.1	1841.0
50°	2082.3	1965.8	1842.2	1832.7	1858.8
52.5°	2028.8	1927.8	1786.3	1769.7	1817.2
55°	1909.9	1861.2	1717.4	1667.5	1711.5
57.5°	1735.2	1731.7	1608.1	1518.9	1530.8
60°	1513.0	1527.2	1446.4	1320.4	1313.3
62.5°	1272.9	1281.2	1245.6	1114.8	1089.9
65°	1057.8	1049.5	1038.8	927.0	905.6
67.5°	880.7	855.7	839.1	771.3	760.7
70°	730.9	691.7	658.4	647.7	637.0
72.5°	591.9	563.4	509.9	539.6	538.4
75°	479.0	452.8	397.0	451.6	456.4
77.5°	392.2	374.4	320.9	370.8	386.3
80°	332.8	295.9	269.8	301.9	322.1
82.5°	254.3	225.8	219.9	232.9	252.0
85°	168.8	158.1	162.8	167.6	179.5
87.5°	85.6	91.5	98.6	107.0	112.9
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	20.3	18.9	20.6	20.9	17.6	19.4	18.0	19.7	20.0
	3H	19.6	21.3	20.0	21.6	21.9	18.8	20.4	19.1	20.7	21.1
	4H	20.0	21.6	20.4	21.9	22.3	19.2	20.7	19.6	21.1	21.5
	6H	20.4	21.8	20.8	22.2	22.6	19.7	21.1	20.1	21.4	21.8
	8H	20.5	21.9	21.0	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	12H	20.7	22.0	21.1	22.4	22.8	20.0	21.3	20.5	21.7	22.1
4H	2H	18.9	20.5	19.3	20.8	21.2	18.2	19.7	18.6	20.1	20.4
	3H	20.2	21.5	20.6	21.9	22.3	19.5	20.8	19.9	21.2	21.6
	4H	20.7	21.9	21.2	22.3	22.7	20.1	21.2	20.5	21.7	22.1
	6H	21.2	22.2	21.7	22.7	23.1	20.7	21.7	21.1	22.1	22.6
	8H	21.4	22.4	21.9	22.8	23.3	20.9	21.9	21.4	22.3	22.8
	12H	21.6	22.5	22.1	23.0	23.4	21.2	22.0	21.6	22.5	23.0
8H	4H	20.9	21.8	21.3	22.3	22.7	20.3	21.3	20.8	21.7	22.2
	6H	21.5	22.3	22.0	22.8	23.2	21.0	21.8	21.5	22.3	22.8
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.1	21.9	22.6	23.1
	12H	22.1	22.7	22.6	23.2	23.8	21.7	22.4	22.2	22.8	23.4
12H	4H	20.9	21.8	21.4	22.3	22.7	20.3	21.2	20.8	21.7	22.1
	6H	21.5	22.3	22.1	22.7	23.3	21.1	21.8	21.6	22.3	22.8
	8H	21.9	22.5	22.4	23.0	23.6	21.5	22.1	22.0	22.6	23.2













(END OF REPORT)