

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: P1527365

Luminaire Tested: 24CGSB-60-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527365
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

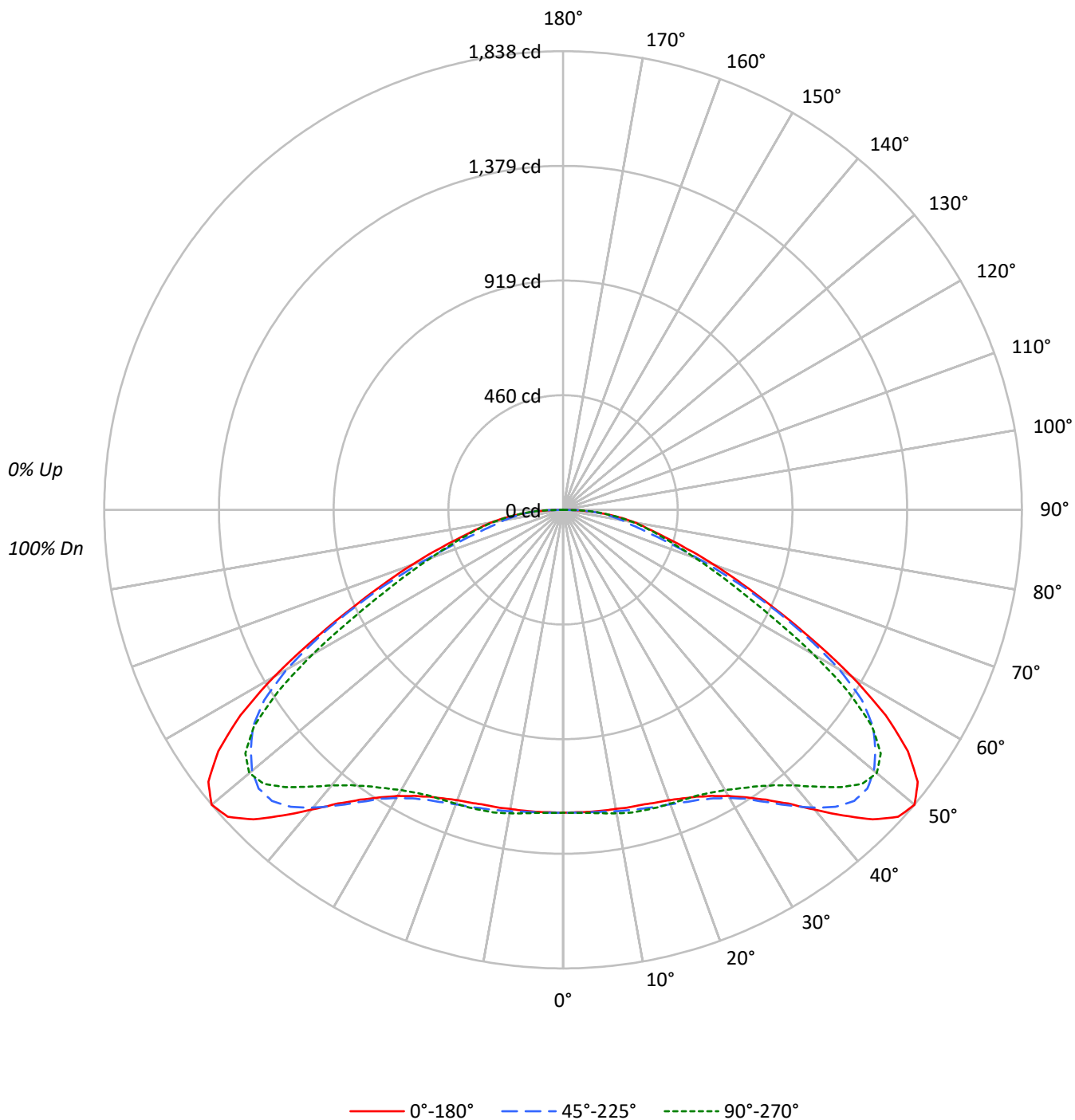
Lumens per Lamp: N/A
Luminaire Lumens: 6059.5 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1633	1633	1633
5°	1641	1644	1647
10°	1663	1676	1687
15°	1704	1726	1738
20°	1773	1798	1795
25°	1883	1905	1877
30°	2057	2072	2015
35°	2330	2350	2221
40°	2755	2736	2532
45°	3338	3138	2990
50°	3848	3404	3435
55°	3955	3556	3544
60°	3594	3436	3120
65°	2973	2919	2545
70°	2538	2286	2212
75°	2198	1822	2095
80°	2276	1846	2203
85°	2300	2218	2445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	1.9
10°-20°	351.3	5.8
20°-30°	593.5	9.8
30°-40°	893.4	14.7
40°-50°	1270.3	21.0
50°-60°	1363.3	22.5
60°-70°	888.5	14.7
70°-80°	427.2	7.1
80°-90°	155.5	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°	1061.3	17.5
0°-40°	1954.7	32.3
0°-60°	4588.3	75.7
0°-90°	6059.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6059.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1215	1216	1217	1221	1219	116
15°	1223	1230	1239	1246	1247	348
25°	1268	1280	1283	1272	1264	591
35°	1418	1446	1431	1383	1352	900
45°	1754	1711	1649	1606	1572	1347
55°	1686	1643	1516	1472	1511	1475
65°	934	926	917	818	800	945
75°	423	400	350	399	403	464
85°	149	140	144	148	158	162
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1213.9	1213.9	1213.9	1213.9	1213.9
2.5°	1212.8	1213.9	1214.9	1216.0	1216.0
5°	1214.9	1216.0	1217.0	1221.2	1219.1
7.5°	1216.0	1217.0	1220.2	1226.5	1226.5
10°	1217.0	1220.2	1226.5	1232.8	1234.9
12.5°	1221.2	1224.4	1232.8	1241.2	1243.3
15°	1223.3	1229.6	1239.1	1246.4	1247.4
17.5°	1230.7	1237.0	1247.4	1250.6	1250.6
20°	1238.0	1246.4	1255.8	1255.8	1253.7
22.5°	1251.6	1261.1	1268.4	1262.1	1257.9
25°	1268.4	1280.0	1283.1	1271.6	1264.2
27.5°	1292.6	1307.2	1303.1	1287.3	1277.9
30°	1324.0	1342.9	1333.5	1310.4	1296.8
32.5°	1366.0	1389.1	1373.3	1344.0	1323.0
35°	1418.5	1445.7	1431.0	1382.8	1352.4
37.5°	1483.5	1511.8	1494.0	1432.1	1391.2
40°	1568.5	1583.2	1558.0	1490.9	1441.5
42.5°	1660.8	1653.5	1614.7	1552.8	1504.5
45°	1754.2	1711.2	1649.3	1606.3	1571.6
47.5°	1821.3	1741.6	1653.5	1631.4	1625.1
50°	1838.1	1735.3	1626.2	1617.8	1640.9
52.5°	1790.9	1701.7	1576.9	1562.2	1604.2
55°	1686.0	1643.0	1516.0	1472.0	1510.8
57.5°	1531.8	1528.6	1419.5	1340.8	1351.3
60°	1335.6	1348.2	1276.8	1165.6	1159.3
62.5°	1123.6	1131.0	1099.5	984.1	962.1
65°	933.7	926.4	917.0	818.3	799.5
67.5°	777.4	755.4	740.7	680.9	671.5
70°	645.2	610.6	581.2	571.8	562.3
72.5°	522.5	497.3	450.1	476.3	475.3
75°	422.8	399.7	350.4	398.7	402.9
77.5°	346.2	330.5	283.3	327.3	341.0
80°	293.8	261.2	238.2	266.5	284.3
82.5°	224.5	199.3	194.1	205.6	222.4
85°	149.0	139.5	143.7	147.9	158.4
87.5°	75.5	80.8	87.1	94.4	99.7
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	20.8	19.6	21.1	21.5	18.3	19.9	18.7	20.3	20.6
	4H	19.6	21.1	20.0	21.5	21.8	18.8	20.3	19.2	20.7	21.0
	6H	20.0	21.4	20.4	21.7	22.1	19.2	20.6	19.6	21.0	21.4
	8H	20.1	21.5	20.5	21.9	22.3	19.4	20.8	19.8	21.2	21.6
	12H	20.2	21.5	20.7	21.9	22.4	19.6	20.9	20.0	21.3	21.7
4H	2H	18.5	20.0	18.9	20.4	20.8	17.8	19.3	18.1	19.6	20.0
	3H	19.8	21.1	20.2	21.5	21.9	19.1	20.4	19.5	20.7	21.1
	4H	20.3	21.5	20.7	21.9	22.3	19.7	20.8	20.1	21.2	21.7
	6H	20.8	21.8	21.2	22.2	22.7	20.2	21.2	20.7	21.7	22.1
	8H	21.0	22.0	21.5	22.4	22.9	20.5	21.4	20.9	21.9	22.3
	12H	21.2	22.1	21.7	22.5	23.0	20.7	21.6	21.2	22.1	22.5
8H	4H	20.5	21.4	20.9	21.8	22.3	19.9	20.8	20.3	21.3	21.7
	6H	21.1	21.9	21.5	22.3	22.8	20.6	21.4	21.1	21.9	22.3
	8H	21.4	22.1	21.9	22.6	23.1	20.9	21.6	21.4	22.1	22.6
	12H	21.6	22.3	22.1	22.8	23.3	21.3	21.9	21.8	22.4	23.0
12H	4H	20.5	21.3	21.0	21.8	22.3	19.9	20.8	20.4	21.2	21.7
	6H	21.1	21.8	21.6	22.3	22.8	20.6	21.4	21.2	21.8	22.4
	8H	21.5	22.1	22.0	22.6	23.1	21.0	21.7	21.5	22.2	22.7















(END OF REPORT)