

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: P1527371

Luminaire Tested: 24CGSB-60-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527371
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

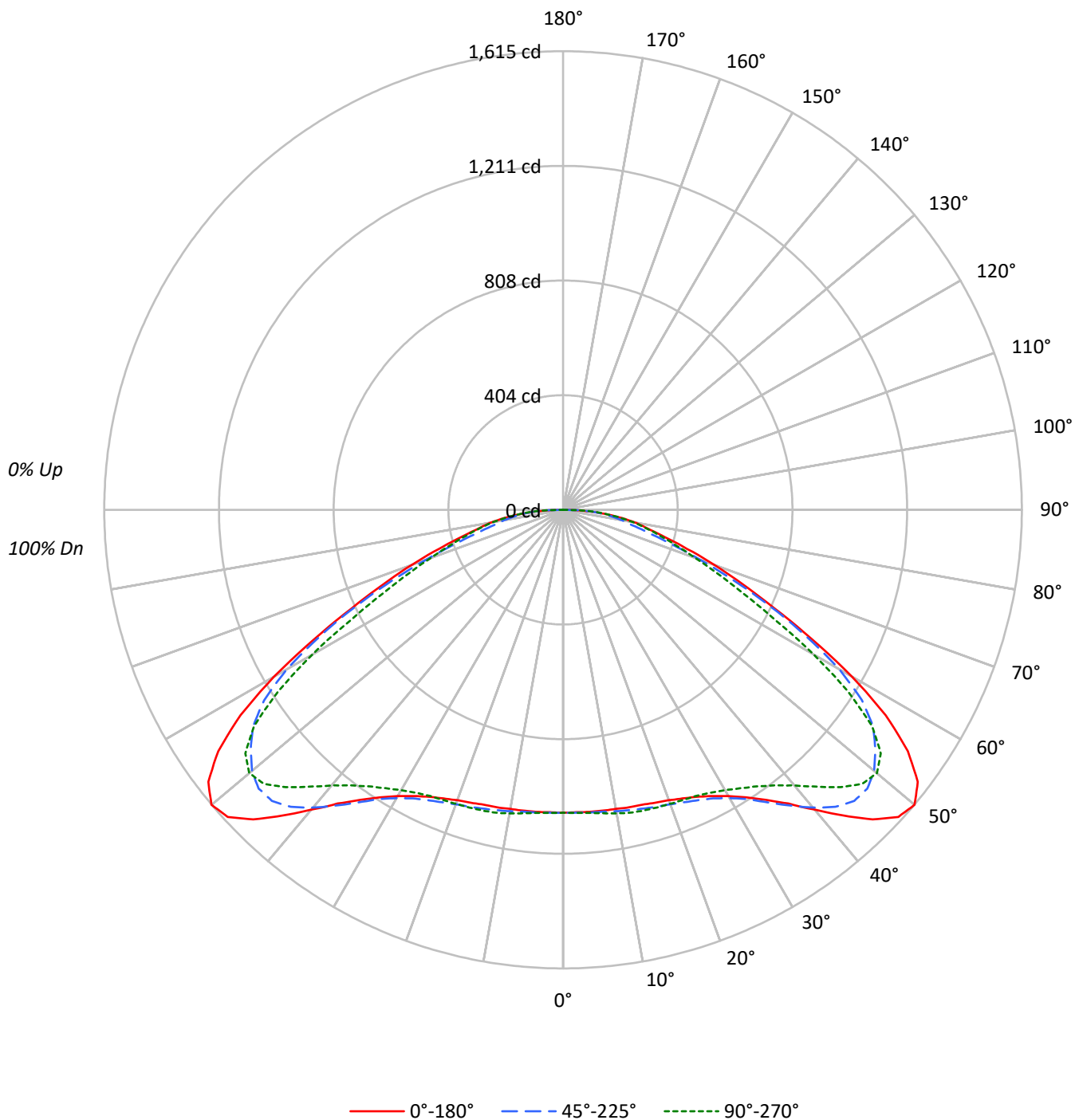
Lumens per Lamp: N/A
Luminaire Lumens: 5325.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1435	1435	1435
5°	1442	1444	1447
10°	1461	1473	1483
15°	1497	1517	1527
20°	1558	1580	1578
25°	1655	1674	1649
30°	1808	1821	1771
35°	2047	2066	1952
40°	2421	2405	2225
45°	2933	2758	2628
50°	3381	2991	3018
55°	3476	3125	3115
60°	3158	3020	2742
65°	2613	2565	2237
70°	2231	2009	1944
75°	1932	1601	1840
80°	2001	1622	1936
85°	2021	1950	2149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3478 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	1.9
10°-20°	308.7	5.8
20°-30°	521.5	9.8
30°-40°	785.1	14.7
40°-50°	1116.4	21.0
50°-60°	1198.1	22.5
60°-70°	780.8	14.7
70°-80°	375.4	7.1
80°-90°	136.6	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°	932.6	17.5
0°-40°	1717.7	32.3
0°-60°	4032.2	75.7
0°-90°	5325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1068	1069	1070	1073	1071	102
15°	1075	1081	1089	1095	1096	306
25°	1115	1125	1128	1117	1111	519
35°	1246	1270	1258	1215	1188	791
45°	1542	1504	1449	1412	1381	1183
55°	1482	1444	1332	1294	1328	1296
65°	821	814	806	719	703	830
75°	372	351	308	350	354	408
85°	131	123	126	130	139	143
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.7	1066.7	1066.7	1066.7	1066.7
2.5°	1065.8	1066.7	1067.7	1068.6	1068.6
5°	1067.7	1068.6	1069.5	1073.2	1071.3
7.5°	1068.6	1069.5	1072.3	1077.8	1077.8
10°	1069.5	1072.3	1077.8	1083.3	1085.2
12.5°	1073.2	1076.0	1083.3	1090.7	1092.6
15°	1075.0	1080.6	1088.9	1095.3	1096.2
17.5°	1081.5	1087.0	1096.2	1099.0	1099.0
20°	1087.9	1095.3	1103.6	1103.6	1101.8
22.5°	1099.9	1108.2	1114.7	1109.1	1105.5
25°	1114.7	1124.8	1127.6	1117.4	1111.0
27.5°	1135.9	1148.8	1145.1	1131.3	1123.0
30°	1163.5	1180.1	1171.8	1151.6	1139.6
32.5°	1200.4	1220.7	1206.9	1181.1	1162.6
35°	1246.5	1270.5	1257.6	1215.2	1188.4
37.5°	1303.7	1328.6	1312.9	1258.5	1222.6
40°	1378.4	1391.3	1369.1	1310.1	1266.8
42.5°	1459.5	1453.0	1418.9	1364.5	1322.1
45°	1541.6	1503.8	1449.4	1411.6	1381.1
47.5°	1600.6	1530.5	1453.0	1433.7	1428.2
50°	1615.3	1525.0	1429.1	1421.7	1442.0
52.5°	1573.8	1495.5	1385.7	1372.8	1409.7
55°	1481.6	1443.8	1332.3	1293.5	1327.7
57.5°	1346.1	1343.3	1247.4	1178.3	1187.5
60°	1173.7	1184.8	1122.1	1024.3	1018.8
62.5°	987.4	993.9	966.2	864.8	845.5
65°	820.6	814.1	805.8	719.1	702.6
67.5°	683.2	663.8	650.9	598.4	590.1
70°	567.0	536.6	510.8	502.5	494.2
72.5°	459.1	437.0	395.5	418.6	417.7
75°	371.6	351.3	307.9	350.4	354.0
77.5°	304.3	290.4	248.9	287.7	299.6
80°	258.2	229.6	209.3	234.2	249.9
82.5°	197.3	175.2	170.6	180.7	195.5
85°	130.9	122.6	126.3	130.0	139.2
87.5°	66.4	71.0	76.5	83.0	87.6
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	17.7	19.4	18.0	19.7	20.1	16.7	18.5	17.1	18.8	19.2
	3H	18.8	20.4	19.1	20.7	21.1	17.9	19.5	18.3	19.8	20.2
	4H	19.1	20.7	19.5	21.0	21.4	18.3	19.9	18.7	20.2	20.6
	6H	19.5	20.9	19.9	21.3	21.7	18.8	20.2	19.2	20.6	20.9
	8H	19.7	21.0	20.1	21.4	21.8	19.0	20.3	19.4	20.7	21.1
	12H	19.8	21.1	20.2	21.5	21.9	19.2	20.5	19.6	20.8	21.3
4H	2H	18.1	19.6	18.5	19.9	20.3	17.3	18.8	17.7	19.2	19.5
	3H	19.3	20.6	19.7	21.0	21.4	18.6	19.9	19.0	20.3	20.7
	4H	19.8	21.0	20.3	21.4	21.8	19.2	20.4	19.6	20.8	21.2
	6H	20.3	21.4	20.8	21.8	22.2	19.8	20.8	20.2	21.2	21.7
	8H	20.6	21.5	21.0	22.0	22.4	20.0	21.0	20.5	21.4	21.9
	12H	20.8	21.6	21.2	22.1	22.6	20.3	21.2	20.8	21.6	22.1
8H	4H	20.0	21.0	20.5	21.4	21.9	19.4	20.4	19.9	20.8	21.3
	6H	20.6	21.4	21.1	21.9	22.4	20.1	20.9	20.6	21.4	21.9
	8H	20.9	21.6	21.4	22.1	22.6	20.5	21.2	21.0	21.7	22.2
	12H	21.2	21.8	21.7	22.3	22.9	20.8	21.5	21.3	22.0	22.5
12H	4H	20.0	20.9	20.5	21.4	21.8	19.4	20.3	19.9	20.8	21.3
	6H	20.7	21.4	21.2	21.8	22.4	20.2	20.9	20.7	21.4	21.9
	8H	21.0	21.7	21.5	22.1	22.7	20.6	21.2	21.1	21.7	22.3















(END OF REPORT)