

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: P1527364

Luminaire Tested: 24CGSB-55-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527364
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-55-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

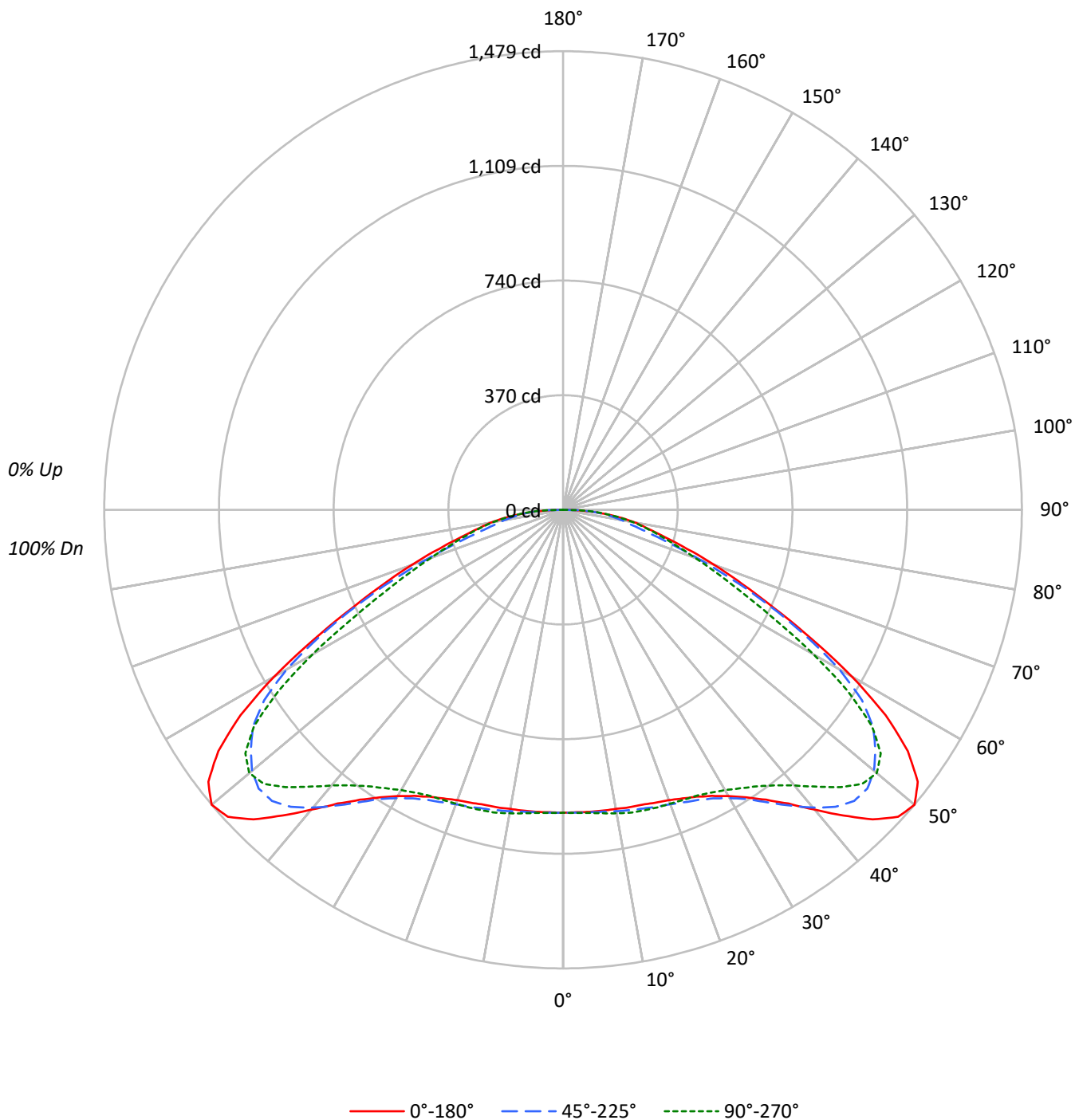
Lumens per Lamp: N/A
Luminaire Lumens: 4876.1 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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

TEST NUMBER: P1527364

CATALOG NUMBER: 24CGSB-55-A125-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1527364

CATALOG NUMBER: 24CGSB-55-A125-L940

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	1314	1314	1314
5°	1321	1323	1325
10°	1338	1348	1358
15°	1371	1389	1398
20°	1426	1447	1445
25°	1515	1533	1510
30°	1655	1667	1621
35°	1875	1892	1788
40°	2217	2202	2037
45°	2686	2525	2406
50°	3096	2739	2764
55°	3183	2862	2852
60°	2892	2765	2510
65°	2392	2349	2048
70°	2043	1840	1780
75°	1769	1466	1685
80°	1832	1485	1773
85°	1851	1786	1968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3185 cd/sqm

TEST NUMBER: P1527364

CATALOG NUMBER: 24CGSB-55-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.9
10°-20°	282.7	5.8
20°-30°	477.6	9.8
30°-40°	718.9	14.7
40°-50°	1022.3	21.0
50°-60°	1097.1	22.5
60°-70°	715.0	14.7
70°-80°	343.8	7.0
80°-90°	125.1	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°	854.0	17.5
0°-40°	1572.9	32.3
0°-60°	3692.3	75.7
0°-90°	4876.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4876.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	977	977	977	977	977	
5°	978	978	979	983	981	93
15°	984	990	997	1003	1004	280
25°	1021	1030	1032	1023	1017	475
35°	1141	1163	1152	1113	1088	725
45°	1412	1377	1327	1293	1265	1084
55°	1357	1322	1220	1184	1216	1187
65°	751	746	738	658	643	760
75°	340	322	282	321	324	374
85°	120	112	116	119	128	131
90°	0	0	0	0	0	

TEST NUMBER: P1527364

CATALOG NUMBER: 24CGSB-55-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	976.8	976.8	976.8	976.8	976.8
2.5°	976.0	976.8	977.7	978.5	978.5
5°	977.7	978.5	979.3	982.7	981.0
7.5°	978.5	979.3	981.9	986.9	986.9
10°	979.3	981.9	986.9	992.0	993.7
12.5°	982.7	985.3	992.0	998.8	1000.4
15°	984.4	989.5	997.1	1003.0	1003.8
17.5°	990.3	995.4	1003.8	1006.4	1006.4
20°	996.2	1003.0	1010.6	1010.6	1008.9
22.5°	1007.2	1014.8	1020.7	1015.6	1012.3
25°	1020.7	1030.0	1032.5	1023.2	1017.3
27.5°	1040.1	1051.9	1048.6	1035.9	1028.3
30°	1065.5	1080.7	1073.1	1054.5	1043.5
32.5°	1099.2	1117.8	1105.1	1081.5	1064.6
35°	1141.4	1163.4	1151.6	1112.7	1088.3
37.5°	1193.8	1216.6	1202.2	1152.4	1119.5
40°	1262.2	1274.0	1253.7	1199.7	1160.0
42.5°	1336.5	1330.6	1299.3	1249.5	1210.7
45°	1411.6	1377.0	1327.2	1292.6	1264.7
47.5°	1465.6	1401.5	1330.6	1312.8	1307.8
50°	1479.1	1396.4	1308.6	1301.8	1320.4
52.5°	1441.2	1369.4	1268.9	1257.1	1290.9
55°	1356.7	1322.1	1220.0	1184.5	1215.7
57.5°	1232.6	1230.1	1142.3	1079.0	1087.4
60°	1074.7	1084.9	1027.5	938.0	932.9
62.5°	904.2	910.1	884.8	791.9	774.2
65°	751.4	745.5	737.9	658.5	643.3
67.5°	625.6	607.9	596.0	547.9	540.3
70°	519.2	491.4	467.7	460.1	452.5
72.5°	420.4	400.2	362.2	383.3	382.4
75°	340.2	321.7	282.0	320.8	324.2
77.5°	278.6	265.9	228.0	263.4	274.4
80°	236.4	210.2	191.6	214.4	228.8
82.5°	180.7	160.4	156.2	165.5	179.0
85°	119.9	112.3	115.7	119.0	127.5
87.5°	60.8	65.0	70.1	76.0	80.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527364

CATALOG NUMBER: 24CGSB-55-A125-L940

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	17.3	19.1	17.7	19.4	19.8	16.4	18.2	16.8	18.5	18.8
	3H	18.4	20.1	18.8	20.4	20.7	17.6	19.2	17.9	19.5	19.9
	4H	18.8	20.4	19.2	20.7	21.1	18.0	19.6	18.4	19.9	20.3
	6H	19.2	20.6	19.6	21.0	21.4	18.5	19.9	18.9	20.3	20.6
	8H	19.4	20.7	19.8	21.1	21.5	18.7	20.0	19.1	20.4	20.8
	12H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.3	20.5	21.0
4H	2H	17.8	19.3	18.1	19.6	20.0	17.0	18.5	17.4	18.9	19.2
	3H	19.0	20.3	19.4	20.7	21.1	18.3	19.6	18.7	20.0	20.4
	4H	19.5	20.7	20.0	21.1	21.5	18.9	20.1	19.3	20.5	20.9
	6H	20.0	21.0	20.5	21.5	21.9	19.5	20.5	19.9	20.9	21.4
	8H	20.3	21.2	20.7	21.6	22.1	19.7	20.7	20.2	21.1	21.6
	12H	20.4	21.3	20.9	21.8	22.2	20.0	20.8	20.5	21.3	21.8
8H	4H	19.7	20.7	20.2	21.1	21.6	19.1	20.1	19.6	20.5	21.0
	6H	20.3	21.1	20.8	21.6	22.1	19.8	20.6	20.3	21.1	21.6
	8H	20.6	21.3	21.1	21.8	22.3	20.2	20.9	20.7	21.4	21.9
	12H	20.9	21.5	21.4	22.0	22.6	20.5	21.2	21.0	21.6	22.2
12H	4H	19.7	20.6	20.2	21.1	21.5	19.1	20.0	19.6	20.5	20.9
	6H	20.4	21.1	20.9	21.5	22.1	19.9	20.6	20.4	21.1	21.6
	8H	20.7	21.3	21.2	21.8	22.4	20.3	20.9	20.8	21.4	22.0













(END OF REPORT)