

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: P1527363

Luminaire Tested: 24CGSB-55-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527363
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

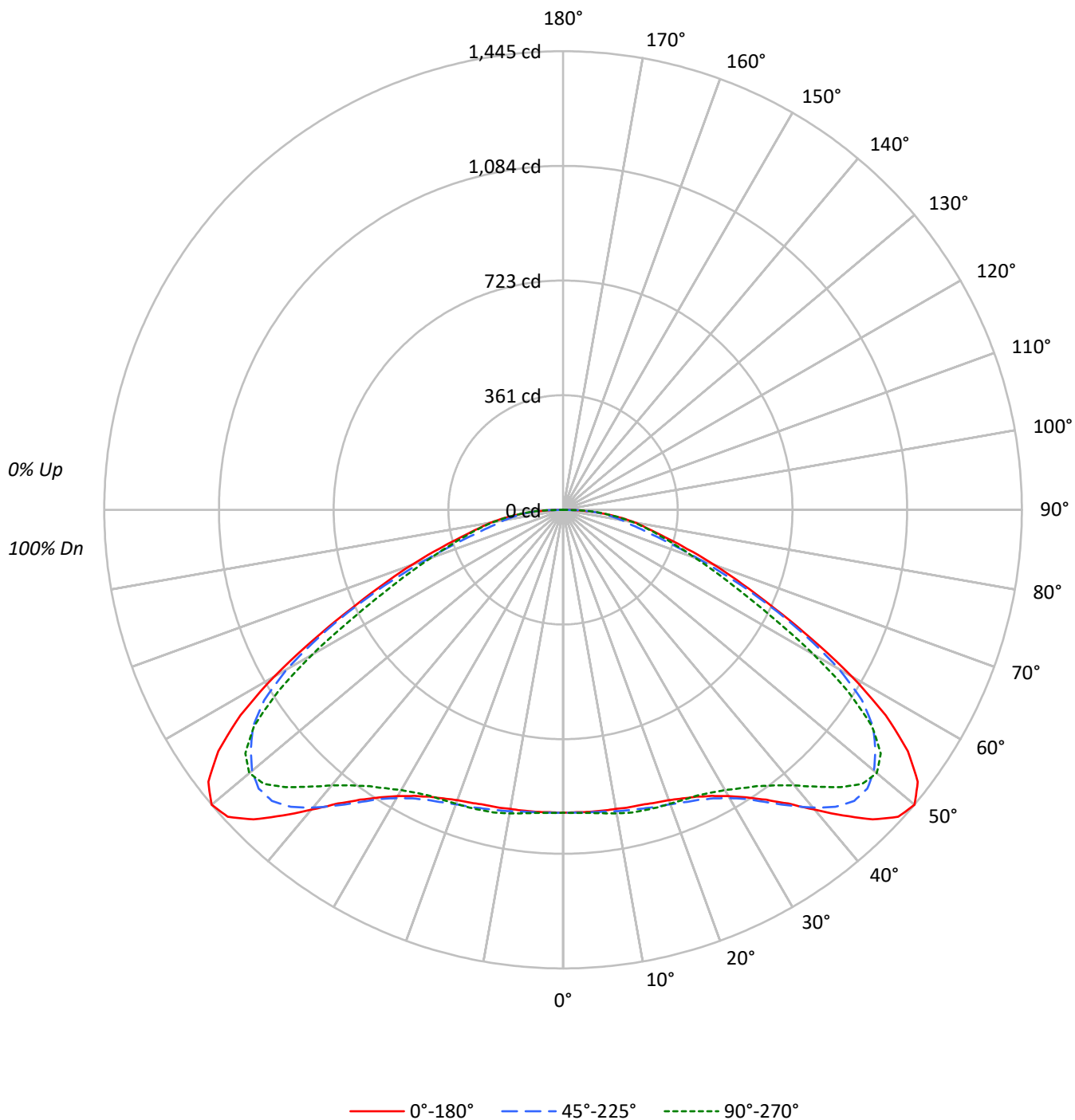
Lumens per Lamp: N/A
Luminaire Lumens: 4764.0 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1527363

CATALOG NUMBER: 24CGSB-55-A125-L935

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°	1284	1284	1284
5°	1290	1292	1295
10°	1307	1317	1326
15°	1340	1357	1366
20°	1394	1414	1411
25°	1480	1498	1476
30°	1617	1629	1584
35°	1832	1848	1746
40°	2166	2151	1991
45°	2624	2467	2351
50°	3025	2676	2700
55°	3109	2796	2786
60°	2826	2701	2453
65°	2337	2295	2001
70°	1996	1798	1739
75°	1728	1432	1646
80°	1790	1450	1732
85°	1808	1744	1924

MAXIMUM LUMINANCE 45°-90°:

Luminance: 3112 cd/sqm

TEST NUMBER: P1527363

CATALOG NUMBER: 24CGSB-55-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.9
10°-20°	276.2	5.8
20°-30°	466.6	9.8
30°-40°	702.4	14.7
40°-50°	998.7	21.0
50°-60°	1071.9	22.5
60°-70°	698.5	14.7
70°-80°	335.9	7.1
80°-90°	122.2	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°	834.4	17.5
0°-40°	1536.8	32.3
0°-60°	3607.4	75.7
0°-90°	4764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	955	956	957	960	958	91
15°	962	967	974	980	981	273
25°	997	1006	1009	1000	994	464
35°	1115	1137	1125	1087	1063	708
45°	1379	1345	1297	1263	1236	1059
55°	1326	1292	1192	1157	1188	1160
65°	734	728	721	643	628	743
75°	332	314	276	313	317	365
85°	117	110	113	116	125	127
90°	0	0	0	0	0	

TEST NUMBER: P1527363

CATALOG NUMBER: 24CGSB-55-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.4	954.4	954.4	954.4	954.4
2.5°	953.5	954.4	955.2	956.0	956.0
5°	955.2	956.0	956.8	960.1	958.5
7.5°	956.0	956.8	959.3	964.3	964.3
10°	956.8	959.3	964.3	969.2	970.9
12.5°	960.1	962.6	969.2	975.8	977.4
15°	961.8	966.7	974.1	979.9	980.7
17.5°	967.6	972.5	980.7	983.2	983.2
20°	973.3	979.9	987.3	987.3	985.7
22.5°	984.0	991.5	997.2	992.3	989.0
25°	997.2	1006.3	1008.8	999.7	993.9
27.5°	1016.2	1027.8	1024.5	1012.1	1004.7
30°	1041.0	1055.8	1048.4	1030.2	1019.5
32.5°	1074.0	1092.1	1079.7	1056.6	1040.1
35°	1115.2	1136.6	1125.1	1087.2	1063.2
37.5°	1166.3	1188.6	1174.6	1125.9	1093.8
40°	1233.2	1244.7	1224.9	1172.1	1133.3
42.5°	1305.7	1300.0	1269.4	1220.8	1182.8
45°	1379.2	1345.3	1296.7	1262.8	1235.6
47.5°	1431.9	1369.3	1300.0	1282.6	1277.7
50°	1445.1	1364.3	1278.5	1271.9	1290.1
52.5°	1408.0	1337.9	1239.8	1228.2	1261.2
55°	1325.5	1291.7	1191.9	1157.3	1187.8
57.5°	1204.3	1201.8	1116.0	1054.2	1062.4
60°	1050.0	1059.9	1003.8	916.4	911.5
62.5°	883.4	889.2	864.4	773.7	756.4
65°	734.1	728.3	720.9	643.4	628.5
67.5°	611.2	593.9	582.3	535.3	527.9
70°	507.3	480.1	457.0	449.5	442.1
72.5°	410.8	391.0	353.9	374.5	373.7
75°	332.4	314.3	275.5	313.4	316.7
77.5°	272.2	259.8	222.7	257.4	268.1
80°	231.0	205.4	187.2	209.5	223.5
82.5°	176.5	156.7	152.6	161.7	174.9
85°	117.1	109.7	113.0	116.3	124.6
87.5°	59.4	63.5	68.5	74.2	78.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527363

CATALOG NUMBER: 24CGSB-55-A125-L935

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	19.0	17.6	19.4	19.7	16.4	18.1	16.7	18.5	18.8
	3H	18.4	20.0	18.7	20.3	20.7	17.5	19.1	17.9	19.4	19.8
	4H	18.8	20.3	19.2	20.6	21.0	18.0	19.5	18.3	19.8	20.2
	6H	19.1	20.5	19.5	20.9	21.3	18.4	19.8	18.8	20.2	20.6
	8H	19.3	20.6	19.7	21.0	21.4	18.6	19.9	19.0	20.3	20.7
	12H	19.4	20.7	19.8	21.1	21.5	18.8	20.1	19.2	20.4	20.9
4H	2H	17.7	19.2	18.1	19.5	19.9	16.9	18.4	17.3	18.8	19.2
	3H	19.0	20.2	19.4	20.6	21.0	18.2	19.5	18.6	19.9	20.3
	4H	19.5	20.6	19.9	21.0	21.5	18.8	20.0	19.2	20.4	20.8
	6H	19.9	21.0	20.4	21.4	21.9	19.4	20.4	19.8	20.9	21.3
	8H	20.2	21.1	20.6	21.6	22.0	19.7	20.6	20.1	21.0	21.5
	12H	20.4	21.2	20.8	21.7	22.2	19.9	20.8	20.4	21.2	21.7
8H	4H	19.6	20.6	20.1	21.0	21.5	19.0	20.0	19.5	20.4	20.9
	6H	20.2	21.0	20.7	21.5	22.0	19.7	20.5	20.2	21.0	21.5
	8H	20.5	21.2	21.0	21.7	22.2	20.1	20.8	20.6	21.3	21.8
	12H	20.8	21.4	21.3	21.9	22.5	20.4	21.1	20.9	21.6	22.1
12H	4H	19.6	20.5	20.1	21.0	21.4	19.1	19.9	19.5	20.4	20.9
	6H	20.3	21.0	20.8	21.5	22.0	19.8	20.5	20.3	21.0	21.5
	8H	20.6	21.3	21.1	21.8	22.3	20.2	20.8	20.7	21.3	21.9















(END OF REPORT)