

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: P1526918

Luminaire Tested: 24CGTX-55HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526918
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: 24CGTX-55HE-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

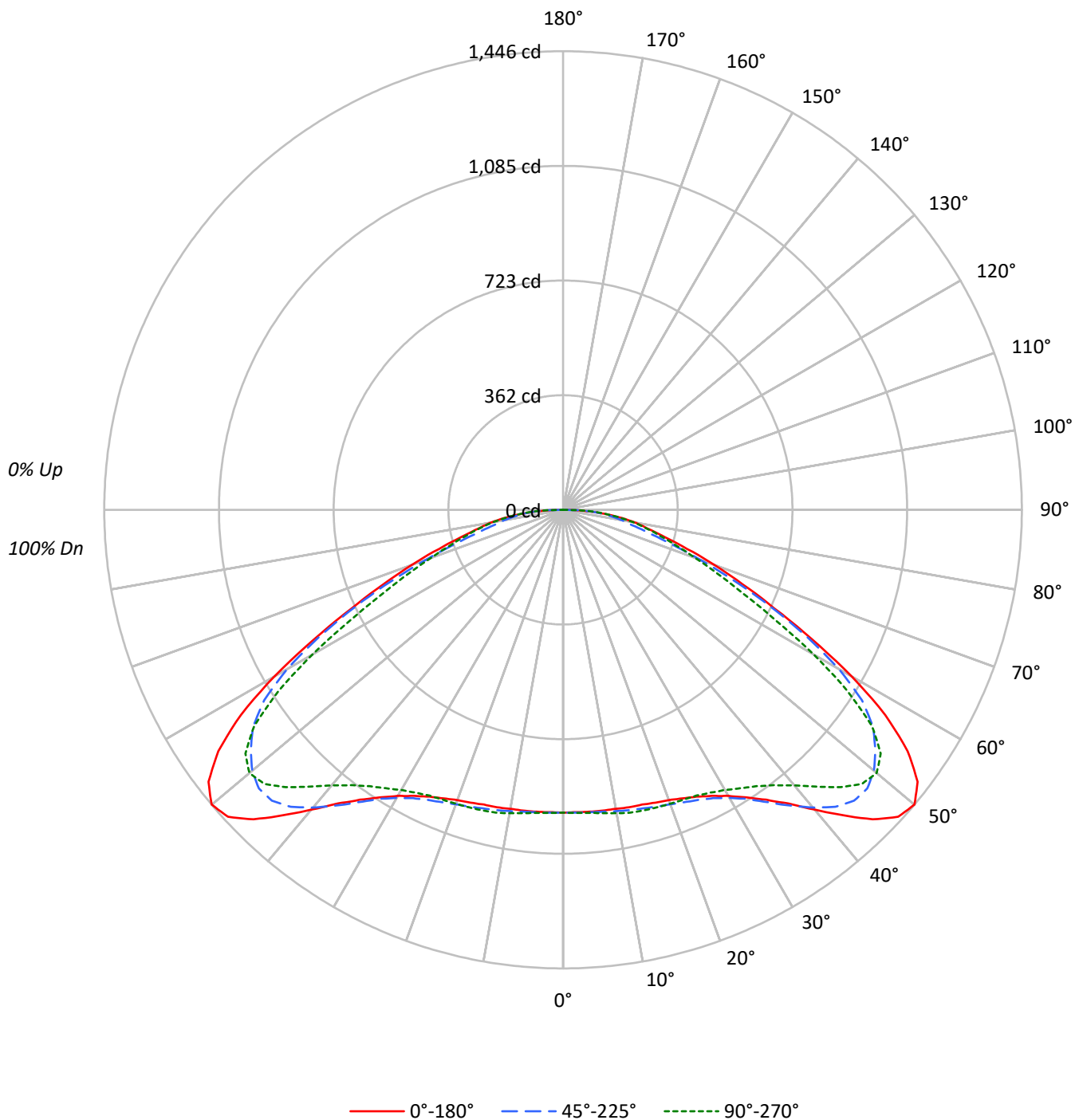
Lumens per Lamp: N/A
Luminaire Lumens: 4766.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.3
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: P1526918

CATALOG NUMBER: 24CGTX-55HE-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526918

CATALOG NUMBER: 24CGTX-55HE-A125-L935

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		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°	1285	1285	1285
5°	1291	1293	1295
10°	1308	1318	1327
15°	1340	1358	1367
20°	1394	1414	1412
25°	1481	1498	1476
30°	1618	1629	1585
35°	1833	1849	1747
40°	2167	2152	1991
45°	2625	2468	2352
50°	3026	2677	2701
55°	3111	2797	2788
60°	2827	2703	2454
65°	2338	2296	2002
70°	1996	1799	1740
75°	1729	1433	1647
80°	1791	1451	1733
85°	1809	1746	1924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

TEST NUMBER: P1526918

CATALOG NUMBER: 24CGTX-55HE-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.9
10°-20°	276.3	5.8
20°-30°	466.8	9.8
30°-40°	702.7	14.7
40°-50°	999.2	21.0
50°-60°	1072.3	22.5
60°-70°	698.8	14.7
70°-80°	336.0	7.1
80°-90°	122.3	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°	834.8	17.5
0°-40°	1537.4	32.3
0°-60°	3608.9	75.7
0°-90°	4766.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4766.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	956	956	957	960	959	91
15°	962	967	975	980	981	274
25°	998	1007	1009	1000	994	465
35°	1116	1137	1126	1088	1064	708
45°	1380	1346	1297	1263	1236	1059
55°	1326	1292	1192	1158	1188	1160
65°	734	729	721	644	629	743
75°	333	314	276	314	317	365
85°	117	110	113	116	125	128
90°	0	0	0	0	0	

TEST NUMBER: P1526918

CATALOG NUMBER: 24CGTX-55HE-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
2.5°	953.9	954.8	955.6	956.4	956.4
5°	955.6	956.4	957.2	960.5	958.9
7.5°	956.4	957.2	959.7	964.7	964.7
10°	957.2	959.7	964.7	969.6	971.3
12.5°	960.5	963.0	969.6	976.2	977.9
15°	962.2	967.2	974.6	980.4	981.2
17.5°	968.0	972.9	981.2	983.7	983.7
20°	973.8	980.4	987.8	987.8	986.1
22.5°	984.5	991.9	997.7	992.7	989.4
25°	997.7	1006.8	1009.2	1000.2	994.4
27.5°	1016.7	1028.2	1024.9	1012.5	1005.1
30°	1041.4	1056.3	1048.8	1030.7	1020.0
32.5°	1074.4	1092.6	1080.2	1057.1	1040.6
35°	1115.7	1137.1	1125.6	1087.6	1063.7
37.5°	1166.9	1189.1	1175.1	1126.4	1094.2
40°	1233.7	1245.2	1225.4	1172.6	1133.8
42.5°	1306.3	1300.5	1270.0	1221.3	1183.4
45°	1379.8	1345.9	1297.2	1263.4	1236.2
47.5°	1432.6	1369.9	1300.5	1283.2	1278.3
50°	1445.8	1364.9	1279.1	1272.5	1290.6
52.5°	1408.6	1338.5	1240.3	1228.7	1261.8
55°	1326.1	1292.3	1192.4	1157.8	1188.3
57.5°	1204.8	1202.3	1116.5	1054.6	1062.9
60°	1050.5	1060.4	1004.3	916.8	911.9
62.5°	883.8	889.6	864.8	774.1	756.7
65°	734.4	728.7	721.2	643.7	628.8
67.5°	611.5	594.2	582.6	535.6	528.1
70°	507.5	480.3	457.2	449.7	442.3
72.5°	411.0	391.2	354.0	374.6	373.8
75°	332.6	314.4	275.6	313.6	316.9
77.5°	272.3	259.9	222.8	257.5	268.2
80°	231.1	205.5	187.3	209.6	223.6
82.5°	176.6	156.8	152.7	161.7	174.9
85°	117.2	109.8	113.1	116.4	124.6
87.5°	59.4	63.5	68.5	74.3	78.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526918

CATALOG NUMBER: 24CGTX-55HE-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	20.0	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	21.1	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	21.5	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	21.5	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)