

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: P1526917

Luminaire Tested: 24CGTX-55HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526917
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

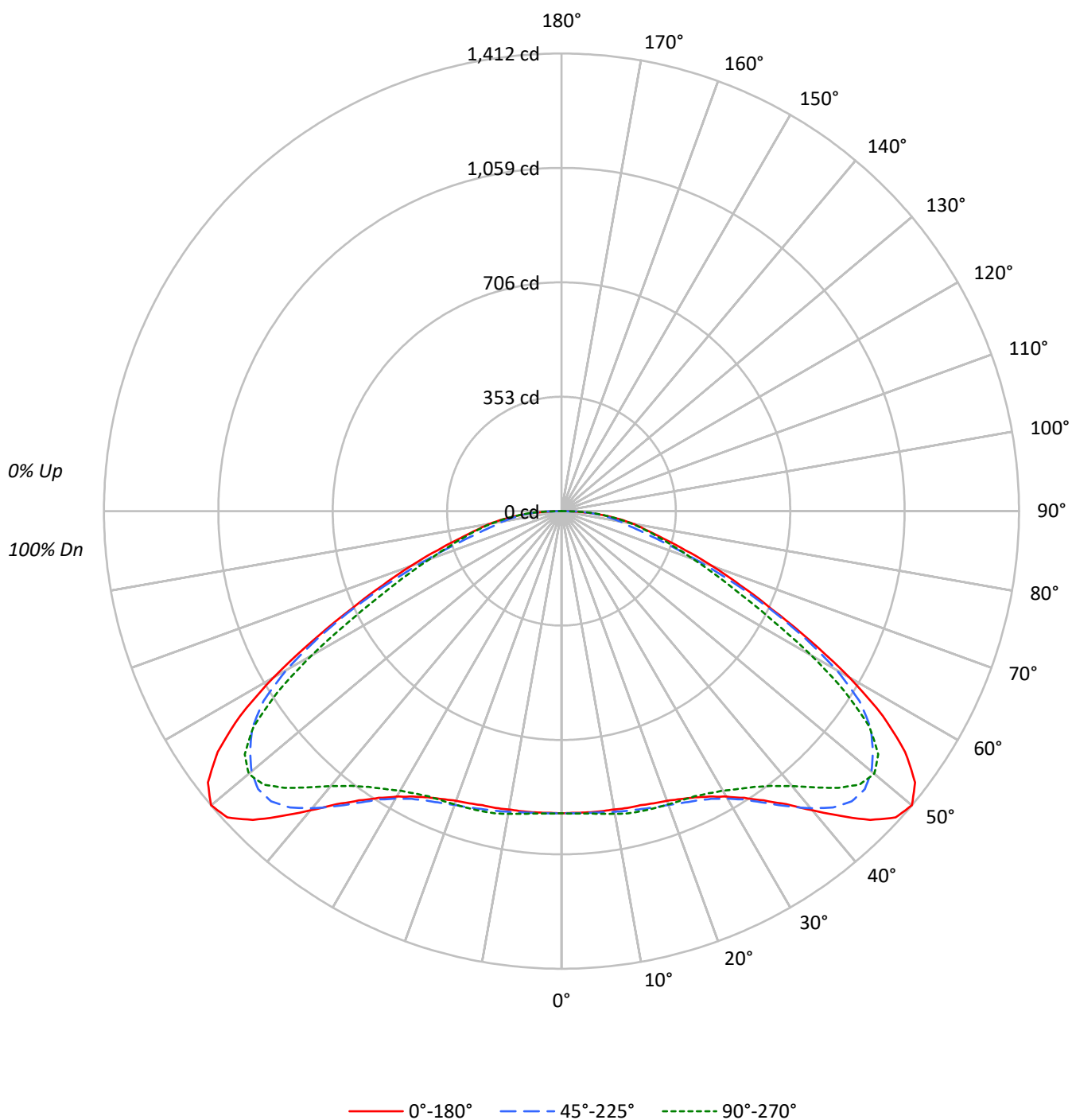
Lumens per Lamp: N/A
Luminaire Lumens: 4653.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	1254	1254	1254
5°	1260	1262	1265
10°	1277	1287	1296
15°	1309	1326	1335
20°	1361	1381	1379
25°	1446	1463	1442
30°	1580	1591	1547
35°	1789	1805	1706
40°	2116	2102	1945
45°	2564	2410	2297
50°	2955	2614	2638
55°	3038	2731	2722
60°	2760	2639	2396
65°	2283	2242	1955
70°	1950	1756	1699
75°	1688	1399	1608
80°	1748	1417	1692
85°	1766	1704	1879

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.9
10°-20°	269.8	5.8
20°-30°	455.8	9.8
30°-40°	686.1	14.7
40°-50°	975.7	21.0
50°-60°	1047.1	22.5
60°-70°	682.4	14.7
70°-80°	328.1	7.0
80°-90°	119.4	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°	815.1	17.5
0°-40°	1501.3	32.3
0°-60°	3524.0	75.7
0°-90°	4653.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4653.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	933	934	935	938	936	89
15°	940	944	952	957	958	267
25°	974	983	986	977	971	454
35°	1089	1110	1099	1062	1039	692
45°	1347	1314	1267	1234	1207	1034
55°	1295	1262	1164	1130	1160	1133
65°	717	712	704	628	614	726
75°	325	307	269	306	309	357
85°	114	107	110	114	122	125
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	932.3	932.3	932.3	932.3	932.3
2.5°	931.5	932.3	933.1	933.9	933.9
5°	933.1	933.9	934.7	937.9	936.3
7.5°	933.9	934.7	937.1	942.0	942.0
10°	934.7	937.1	942.0	946.8	948.4
12.5°	937.9	940.4	946.8	953.3	954.9
15°	939.6	944.4	951.6	957.3	958.1
17.5°	945.2	950.0	958.1	960.5	960.5
20°	950.8	957.3	964.5	964.5	962.9
22.5°	961.3	968.6	974.2	969.4	966.2
25°	974.2	983.1	985.5	976.6	971.0
27.5°	992.7	1004.0	1000.8	988.7	981.5
30°	1016.9	1031.4	1024.2	1006.4	996.0
32.5°	1049.1	1066.9	1054.8	1032.2	1016.1
35°	1089.4	1110.4	1099.1	1062.0	1038.7
37.5°	1139.4	1161.2	1147.5	1099.9	1068.5
40°	1204.7	1215.9	1196.6	1145.0	1107.2
42.5°	1275.6	1269.9	1240.1	1192.6	1155.5
45°	1347.3	1314.3	1266.7	1233.7	1207.1
47.5°	1398.9	1337.6	1269.9	1253.0	1248.2
50°	1411.8	1332.8	1249.0	1242.5	1260.3
52.5°	1375.5	1307.0	1211.1	1199.8	1232.1
55°	1294.9	1261.9	1164.4	1130.5	1160.3
57.5°	1176.5	1174.0	1090.2	1029.8	1037.9
60°	1025.8	1035.4	980.7	895.2	890.4
62.5°	863.0	868.6	844.5	755.8	738.9
65°	717.2	711.5	704.3	628.5	614.0
67.5°	597.1	580.2	568.9	523.0	515.7
70°	495.6	469.0	446.4	439.2	431.9
72.5°	401.3	381.9	345.7	365.8	365.0
75°	324.7	307.0	269.1	306.2	309.4
77.5°	265.9	253.8	217.6	251.4	261.9
80°	225.6	200.6	182.9	204.7	218.4
82.5°	172.4	153.1	149.1	157.9	170.8
85°	114.4	107.2	110.4	113.6	121.7
87.5°	58.0	62.0	66.9	72.5	76.6
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	17.2	19.0	17.5	19.3	19.6	16.3	18.1	16.6	18.4	18.7
	3H	18.3	19.9	18.7	20.2	20.6	17.4	19.0	17.8	19.3	19.7
	4H	18.7	20.2	19.1	20.6	20.9	17.9	19.4	18.3	19.7	20.1
	6H	19.0	20.5	19.4	20.8	21.2	18.3	19.7	18.7	20.1	20.5
	8H	19.2	20.6	19.6	20.9	21.3	18.5	19.9	18.9	20.3	20.6
	12H	19.3	20.6	19.8	21.0	21.4	18.7	20.0	19.1	20.4	20.8
4H	2H	17.6	19.1	18.0	19.5	19.8	16.8	18.4	17.2	18.7	19.1
	3H	18.9	20.2	19.3	20.5	20.9	18.2	19.4	18.6	19.8	20.2
	4H	19.4	20.5	19.8	20.9	21.4	18.7	19.9	19.2	20.3	20.7
	6H	19.9	20.9	20.3	21.3	21.8	19.3	20.3	19.8	20.8	21.2
	8H	20.1	21.0	20.5	21.5	21.9	19.6	20.5	20.0	21.0	21.4
	12H	20.3	21.1	20.8	21.6	22.1	19.8	20.7	20.3	21.2	21.6
8H	4H	19.5	20.5	20.0	20.9	21.4	18.9	19.9	19.4	20.3	20.8
	6H	20.1	20.9	20.6	21.4	21.9	19.7	20.5	20.1	20.9	21.4
	8H	20.4	21.2	20.9	21.7	22.1	20.0	20.7	20.5	21.2	21.7
	12H	20.7	21.4	21.2	21.9	22.4	20.4	21.0	20.9	21.5	22.0
12H	4H	19.6	20.4	20.0	20.9	21.4	19.0	19.8	19.5	20.3	20.8
	6H	20.2	20.9	20.7	21.4	21.9	19.7	20.4	20.2	20.9	21.4
	8H	20.5	21.2	21.0	21.7	22.2	20.1	20.8	20.6	21.3	21.8













(END OF REPORT)