

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: P1526909

Luminaire Tested: 24CGTX-55-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526909
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-55-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

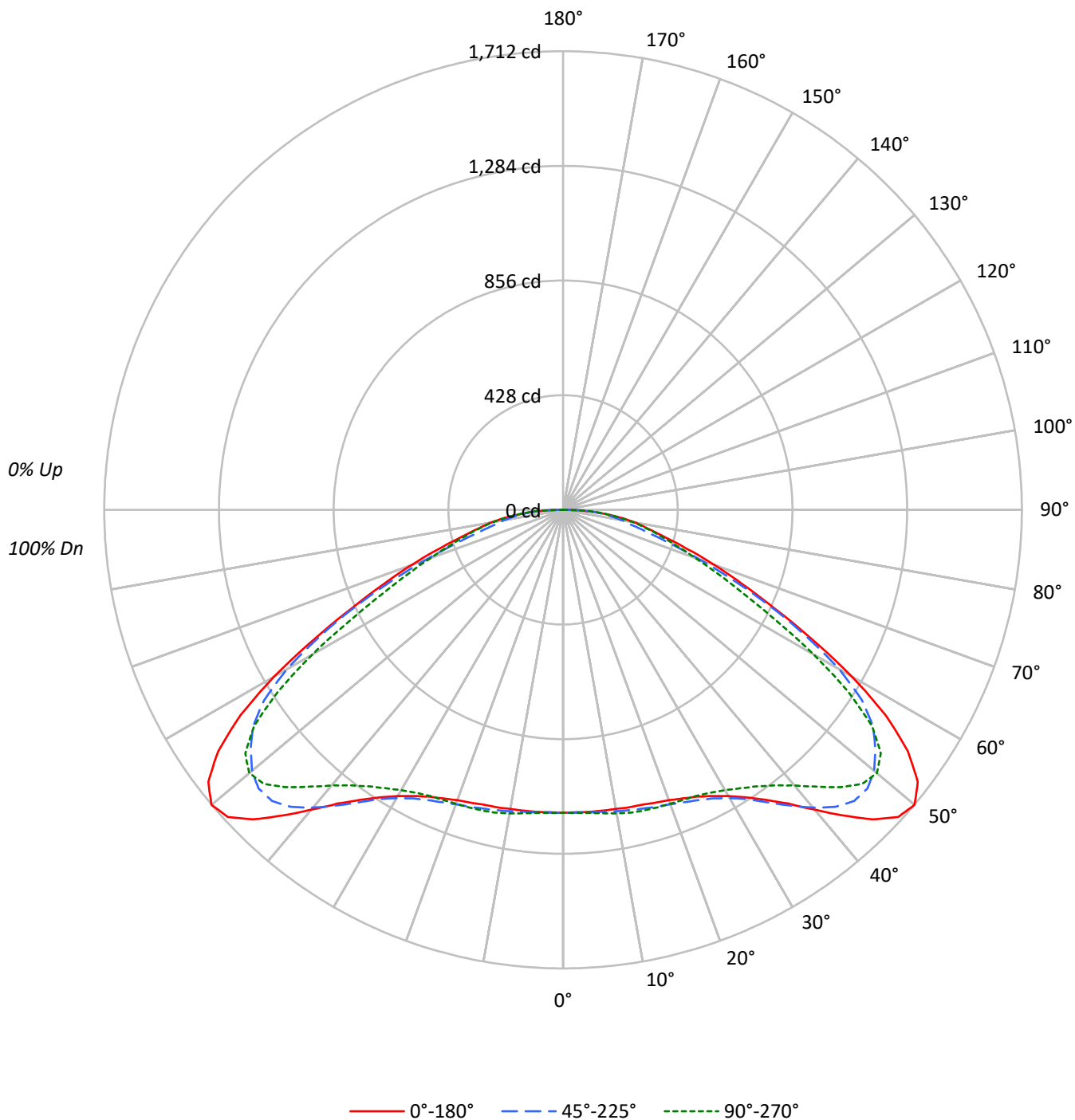
Lumens per Lamp: N/A
Luminaire Lumens: 5644.7 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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°	1521	1521	1521
5°	1529	1531	1534
10°	1549	1561	1572
15°	1587	1608	1619
20°	1651	1675	1672
25°	1754	1775	1748
30°	1916	1930	1877
35°	2170	2190	2069
40°	2566	2549	2359
45°	3109	2923	2786
50°	3584	3171	3200
55°	3684	3313	3301
60°	3348	3201	2906
65°	2769	2720	2371
70°	2365	2130	2061
75°	2048	1697	1951
80°	2121	1719	2053
85°	2143	2067	2279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3687 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	1.9
10°-20°	327.3	5.8
20°-30°	552.8	9.8
30°-40°	832.2	14.7
40°-50°	1183.4	21.0
50°-60°	1270.0	22.5
60°-70°	827.7	14.7
70°-80°	398.0	7.1
80°-90°	144.8	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°	988.6	17.5
0°-40°	1820.9	32.3
0°-60°	4274.3	75.7
0°-90°	5644.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5644.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1132	1133	1134	1138	1136	108
15°	1140	1145	1154	1161	1162	324
25°	1182	1192	1195	1184	1178	550
35°	1321	1347	1333	1288	1260	839
45°	1634	1594	1536	1496	1464	1254
55°	1571	1530	1412	1371	1407	1374
65°	870	863	854	762	745	880
75°	394	372	326	371	375	433
85°	139	130	134	138	148	151
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.8	1130.8	1130.8	1130.8	1130.8
2.5°	1129.8	1130.8	1131.8	1132.7	1132.7
5°	1131.8	1132.7	1133.7	1137.6	1135.7
7.5°	1132.7	1133.7	1136.6	1142.5	1142.5
10°	1133.7	1136.6	1142.5	1148.4	1150.3
12.5°	1137.6	1140.6	1148.4	1156.2	1158.1
15°	1139.6	1145.4	1154.2	1161.1	1162.1
17.5°	1146.4	1152.3	1162.1	1165.0	1165.0
20°	1153.3	1161.1	1169.9	1169.9	1167.9
22.5°	1166.0	1174.8	1181.6	1175.7	1171.8
25°	1181.6	1192.4	1195.3	1184.5	1177.7
27.5°	1204.1	1217.8	1213.9	1199.2	1190.4
30°	1233.4	1251.0	1242.2	1220.7	1208.0
32.5°	1272.5	1294.0	1279.3	1252.0	1232.4
35°	1321.4	1346.8	1333.1	1288.1	1259.8
37.5°	1382.0	1408.3	1391.7	1334.1	1296.0
40°	1461.1	1474.8	1451.4	1388.8	1342.9
42.5°	1547.1	1540.3	1504.1	1446.5	1401.5
45°	1634.1	1594.0	1536.4	1496.3	1464.1
47.5°	1696.7	1622.4	1540.3	1519.8	1513.9
50°	1712.3	1616.5	1514.9	1507.1	1528.6
52.5°	1668.3	1585.2	1468.9	1455.3	1494.4
55°	1570.6	1530.5	1412.3	1371.2	1407.4
57.5°	1426.9	1424.0	1322.3	1249.0	1258.8
60°	1244.2	1255.9	1189.4	1085.8	1080.0
62.5°	1046.7	1053.6	1024.3	916.7	896.2
65°	869.8	863.0	854.2	762.3	744.7
67.5°	724.2	703.7	690.0	634.3	625.5
70°	601.1	568.8	541.4	532.7	523.9
72.5°	486.7	463.3	419.3	443.7	442.7
75°	393.9	372.4	326.4	371.4	375.3
77.5°	322.5	307.9	263.9	304.9	317.6
80°	273.7	243.4	221.9	248.2	264.9
82.5°	209.2	185.7	180.8	191.6	207.2
85°	138.8	130.0	133.9	137.8	147.6
87.5°	70.4	75.3	81.1	88.0	92.8
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	17.9	19.6	18.2	19.9	20.3	16.9	18.7	17.3	19.0	19.4
	3H	19.0	20.6	19.3	20.9	21.3	18.1	19.7	18.5	20.0	20.4
	4H	19.4	20.9	19.7	21.2	21.6	18.5	20.1	18.9	20.4	20.8
	6H	19.7	21.1	20.1	21.5	21.9	19.0	20.4	19.4	20.8	21.2
	8H	19.9	21.2	20.3	21.6	22.0	19.2	20.5	19.6	20.9	21.3
	12H	20.0	21.3	20.4	21.7	22.1	19.4	20.7	19.8	21.0	21.5
4H	2H	18.3	19.8	18.7	20.1	20.5	17.5	19.0	17.9	19.4	19.7
	3H	19.5	20.8	20.0	21.2	21.6	18.8	20.1	19.2	20.5	20.9
	4H	20.0	21.2	20.5	21.6	22.1	19.4	20.6	19.8	21.0	21.4
	6H	20.5	21.6	21.0	22.0	22.4	20.0	21.0	20.4	21.4	21.9
	8H	20.8	21.7	21.2	22.2	22.6	20.2	21.2	20.7	21.6	22.1
	12H	21.0	21.8	21.4	22.3	22.8	20.5	21.4	21.0	21.8	22.3
8H	4H	20.2	21.2	20.7	21.6	22.1	19.6	20.6	20.1	21.0	21.5
	6H	20.8	21.6	21.3	22.1	22.6	20.3	21.1	20.8	21.6	22.1
	8H	21.1	21.8	21.6	22.3	22.8	20.7	21.4	21.2	21.9	22.4
	12H	21.4	22.0	21.9	22.5	23.1	21.0	21.7	21.5	22.2	22.7
12H	4H	20.2	21.1	20.7	21.6	22.0	19.7	20.5	20.1	21.0	21.5
	6H	20.9	21.6	21.4	22.0	22.6	20.4	21.1	20.9	21.6	22.1
	8H	21.2	21.9	21.7	22.3	22.9	20.8	21.4	21.3	21.9	22.5













(END OF REPORT)