

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: P1526912

Luminaire Tested: 24CGTX-55-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526912
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

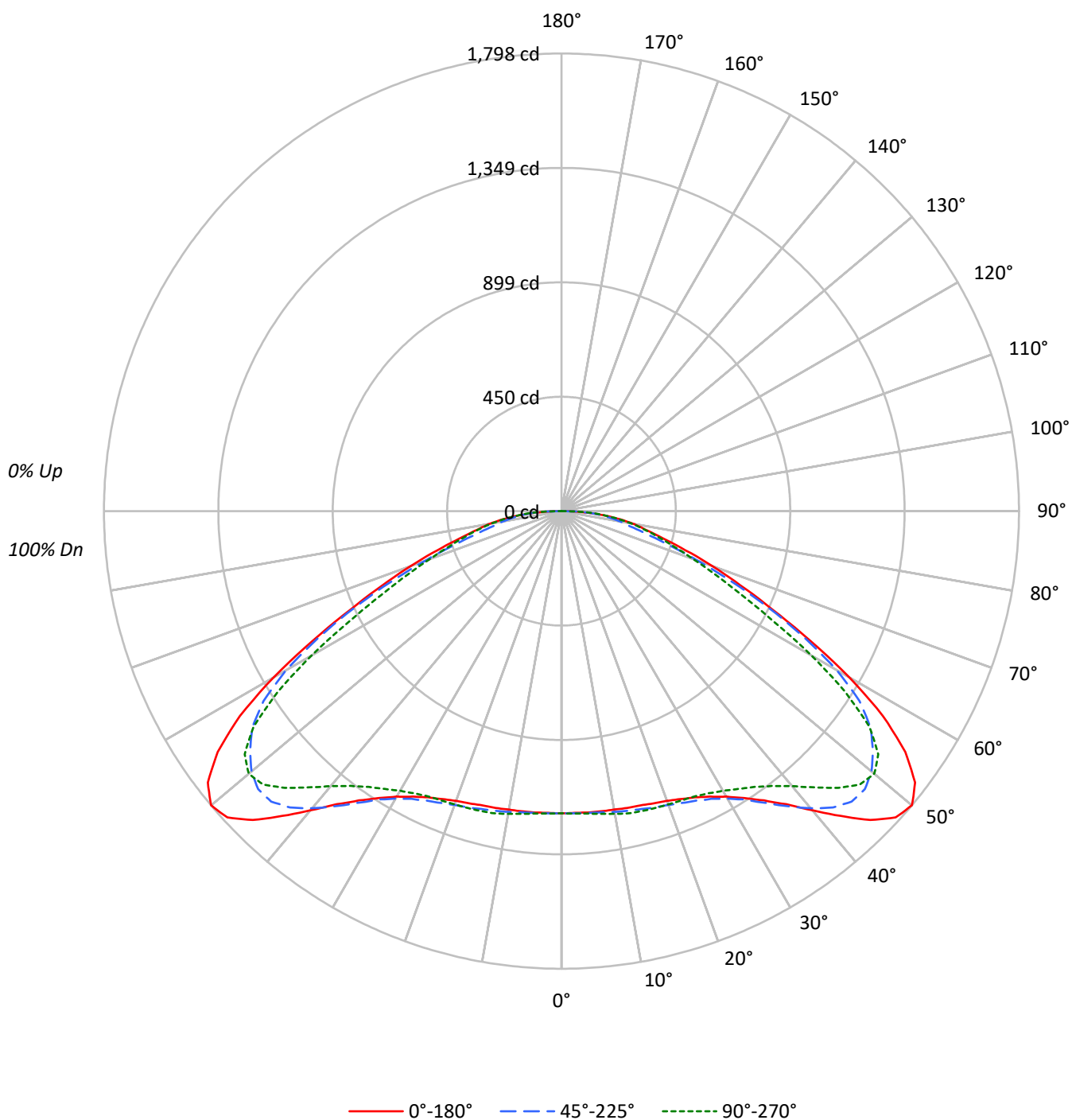
Lumens per Lamp: N/A
Luminaire Lumens: 5927.0 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	1597	1597	1597
5°	1605	1608	1611
10°	1626	1639	1650
15°	1667	1688	1700
20°	1734	1759	1756
25°	1842	1863	1836
30°	2012	2026	1971
35°	2279	2299	2173
40°	2695	2677	2477
45°	3265	3070	2925
50°	3763	3329	3360
55°	3868	3479	3466
60°	3515	3361	3052
65°	2908	2855	2490
70°	2483	2236	2164
75°	2150	1782	2049
80°	2226	1805	2155
85°	2249	2171	2393

MAXIMUM LUMINANCE 45°-90°:

Luminance: 3872 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	1.9
10°-20°	343.6	5.8
20°-30°	580.5	9.8
30°-40°	873.8	14.7
40°-50°	1242.5	21.0
50°-60°	1333.5	22.5
60°-70°	869.0	14.7
70°-80°	417.9	7.1
80°-90°	152.1	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°	1038.1	17.5
0°-40°	1911.9	32.3
0°-60°	4488.0	75.7
0°-90°	5927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1188	1189	1190	1194	1192	113
15°	1197	1203	1212	1219	1220	340
25°	1241	1252	1255	1244	1237	578
35°	1387	1414	1400	1352	1323	881
45°	1716	1674	1613	1571	1537	1317
55°	1649	1607	1483	1440	1478	1443
65°	913	906	897	800	782	924
75°	414	391	343	390	394	454
85°	146	136	141	145	155	159
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.3	1187.3	1187.3	1187.3	1187.3
2.5°	1186.3	1187.3	1188.3	1189.4	1189.4
5°	1188.3	1189.4	1190.4	1194.5	1192.5
7.5°	1189.4	1190.4	1193.5	1199.6	1199.6
10°	1190.4	1193.5	1199.6	1205.8	1207.8
12.5°	1194.5	1197.6	1205.8	1214.0	1216.1
15°	1196.6	1202.7	1212.0	1219.1	1220.2
17.5°	1203.7	1209.9	1220.2	1223.2	1223.2
20°	1210.9	1219.1	1228.4	1228.4	1226.3
22.5°	1224.3	1233.5	1240.7	1234.5	1230.4
25°	1240.7	1252.0	1255.1	1243.8	1236.6
27.5°	1264.3	1278.7	1274.6	1259.2	1249.9
30°	1295.1	1313.5	1304.3	1281.7	1268.4
32.5°	1336.1	1358.7	1343.3	1314.6	1294.0
35°	1387.4	1414.1	1399.7	1352.5	1322.8
37.5°	1451.1	1478.8	1461.3	1400.8	1360.8
40°	1534.2	1548.5	1523.9	1458.2	1410.0
42.5°	1624.5	1617.3	1579.3	1518.8	1471.6
45°	1715.8	1673.7	1613.2	1571.1	1537.3
47.5°	1781.5	1703.5	1617.3	1595.8	1589.6
50°	1797.9	1697.3	1590.6	1582.4	1605.0
52.5°	1751.7	1664.5	1542.4	1528.0	1569.1
55°	1649.1	1607.0	1482.9	1439.8	1477.7
57.5°	1498.3	1495.2	1388.5	1311.5	1321.8
60°	1306.4	1318.7	1248.9	1140.1	1134.0
62.5°	1099.1	1106.3	1075.5	962.6	941.0
65°	913.3	906.1	896.9	800.4	782.0
67.5°	760.4	738.9	724.5	666.0	656.8
70°	631.1	597.3	568.5	559.3	550.0
72.5°	511.1	486.4	440.2	465.9	464.9
75°	413.6	391.0	342.8	390.0	394.1
77.5°	338.6	323.3	277.1	320.2	333.5
80°	287.3	255.5	232.9	260.7	278.1
82.5°	219.6	195.0	189.8	201.1	217.6
85°	145.7	136.5	140.6	144.7	155.0
87.5°	73.9	79.0	85.2	92.4	97.5
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	18.0	19.8	18.4	20.1	20.4	17.1	18.9	17.5	19.2	19.5
	3H	19.1	20.7	19.5	21.1	21.4	18.2	19.9	18.6	20.2	20.5
	4H	19.5	21.0	19.9	21.4	21.8	18.7	20.2	19.1	20.6	21.0
	6H	19.9	21.3	20.3	21.7	22.0	19.2	20.6	19.6	20.9	21.3
	8H	20.0	21.4	20.5	21.8	22.2	19.3	20.7	19.8	21.1	21.5
	12H	20.2	21.5	20.6	21.8	22.3	19.5	20.8	20.0	21.2	21.6
4H	2H	18.4	20.0	18.8	20.3	20.7	17.7	19.2	18.1	19.5	19.9
	3H	19.7	21.0	20.1	21.4	21.8	19.0	20.3	19.4	20.7	21.1
	4H	20.2	21.4	20.6	21.8	22.2	19.6	20.7	20.0	21.1	21.6
	6H	20.7	21.7	21.2	22.2	22.6	20.2	21.2	20.6	21.6	22.1
	8H	20.9	21.9	21.4	22.3	22.8	20.4	21.4	20.9	21.8	22.3
	12H	21.1	22.0	21.6	22.5	22.9	20.7	21.5	21.1	22.0	22.5
8H	4H	20.4	21.3	20.8	21.8	22.2	19.8	20.7	20.2	21.2	21.6
	6H	21.0	21.8	21.5	22.3	22.7	20.5	21.3	21.0	21.8	22.2
	8H	21.3	22.0	21.8	22.5	23.0	20.8	21.6	21.3	22.1	22.5
	12H	21.6	22.2	22.1	22.7	23.3	21.2	21.8	21.7	22.3	22.9
12H	4H	20.4	21.3	20.9	21.7	22.2	19.8	20.7	20.3	21.2	21.6
	6H	21.0	21.8	21.6	22.2	22.8	20.6	21.3	21.1	21.7	22.3
	8H	21.4	22.0	21.9	22.5	23.1	21.0	21.6	21.5	22.1	22.6













(END OF REPORT)