

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: P1526913

Luminaire Tested: 24CGTX-55HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526913
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

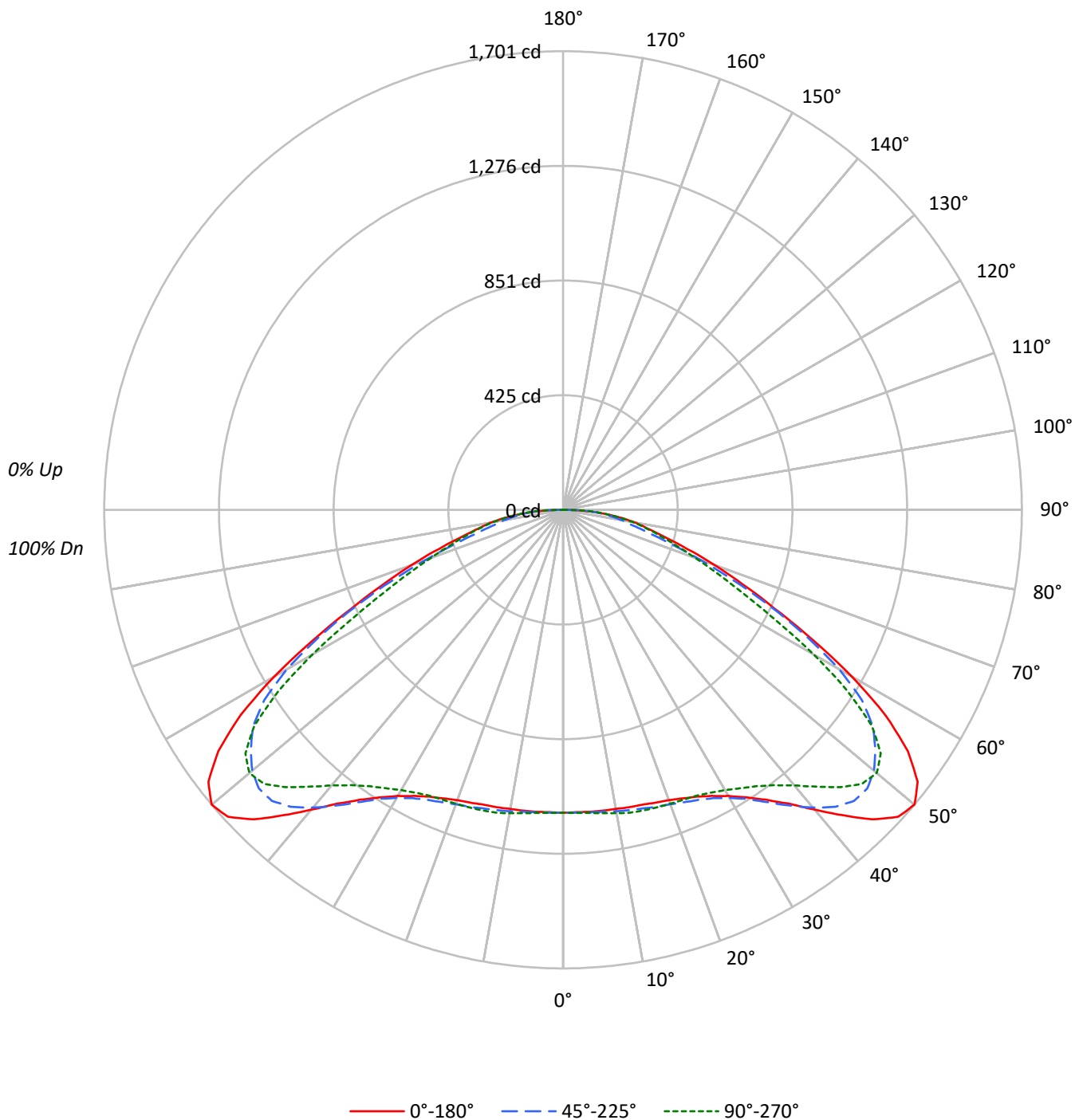
Lumens per Lamp: N/A
Luminaire Lumens: 5607.2 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1511	1511	1511
5°	1518	1521	1524
10°	1539	1551	1561
15°	1577	1597	1608
20°	1640	1664	1661
25°	1742	1763	1737
30°	1904	1917	1864
35°	2156	2175	2055
40°	2549	2532	2343
45°	3089	2904	2767
50°	3560	3150	3178
55°	3660	3291	3279
60°	3326	3179	2887
65°	2751	2701	2355
70°	2349	2116	2047
75°	2034	1686	1938
80°	2106	1708	2039
85°	2129	2053	2263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	1.9
10°-20°	325.1	5.8
20°-30°	549.2	9.8
30°-40°	826.7	14.7
40°-50°	1175.5	21.0
50°-60°	1261.6	22.5
60°-70°	822.2	14.7
70°-80°	395.3	7.1
80°-90°	143.9	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°	982.1	17.5
0°-40°	1808.7	32.3
0°-60°	4245.8	75.7
0°-90°	5607.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5607.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1124	1125	1126	1130	1128	107
15°	1132	1138	1147	1153	1154	322
25°	1174	1184	1187	1177	1170	546
35°	1313	1338	1324	1280	1251	833
45°	1623	1583	1526	1486	1454	1246
55°	1560	1520	1403	1362	1398	1365
65°	864	857	848	757	740	874
75°	391	370	324	369	373	430
85°	138	129	133	137	147	150
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1123.3	1123.3	1123.3	1123.3	1123.3
2.5°	1122.3	1123.3	1124.2	1125.2	1125.2
5°	1124.2	1125.2	1126.2	1130.1	1128.1
7.5°	1125.2	1126.2	1129.1	1134.9	1134.9
10°	1126.2	1129.1	1134.9	1140.7	1142.7
12.5°	1130.1	1133.0	1140.7	1148.5	1150.4
15°	1132.0	1137.8	1146.6	1153.4	1154.3
17.5°	1138.8	1144.6	1154.3	1157.2	1157.2
20°	1145.6	1153.4	1162.1	1162.1	1160.2
22.5°	1158.2	1166.9	1173.7	1167.9	1164.0
25°	1173.7	1184.4	1187.3	1176.7	1169.9
27.5°	1196.1	1209.7	1205.8	1191.2	1182.5
30°	1225.2	1242.7	1233.9	1212.6	1200.0
32.5°	1264.0	1285.4	1270.8	1243.6	1224.2
35°	1312.6	1337.8	1324.2	1279.6	1251.4
37.5°	1372.8	1399.0	1382.5	1325.2	1287.3
40°	1451.4	1465.0	1441.7	1379.6	1333.9
42.5°	1536.8	1530.0	1494.1	1436.8	1392.2
45°	1623.2	1583.4	1526.2	1486.4	1454.3
47.5°	1685.4	1611.6	1530.0	1509.7	1503.8
50°	1700.9	1605.8	1504.8	1497.0	1518.4
52.5°	1657.2	1574.7	1459.2	1445.6	1484.4
55°	1560.1	1520.3	1402.9	1362.1	1398.0
57.5°	1417.4	1414.5	1313.5	1240.7	1250.4
60°	1235.9	1247.5	1181.5	1078.6	1072.8
62.5°	1039.8	1046.6	1017.4	910.6	890.3
65°	864.0	857.3	848.5	757.3	739.8
67.5°	719.4	699.0	685.4	630.1	621.3
70°	597.1	565.0	537.8	529.1	520.4
72.5°	483.5	460.2	416.5	440.8	439.8
75°	391.2	369.9	324.3	368.9	372.8
77.5°	320.4	305.8	262.1	302.9	315.5
80°	271.8	241.7	220.4	246.6	263.1
82.5°	207.8	184.5	179.6	190.3	205.8
85°	137.9	129.1	133.0	136.9	146.6
87.5°	69.9	74.8	80.6	87.4	92.2
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	17.8	19.6	18.2	19.9	20.2	16.9	18.7	17.3	19.0	19.3
	3H	18.9	20.6	19.3	20.9	21.2	18.1	19.7	18.4	20.0	20.4
	4H	19.3	20.9	19.7	21.2	21.6	18.5	20.0	18.9	20.4	20.8
	6H	19.7	21.1	20.1	21.5	21.9	19.0	20.4	19.4	20.7	21.1
	8H	19.8	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	19.3	20.6	19.8	21.0	21.4
4H	2H	18.2	19.8	18.6	20.1	20.5	17.5	19.0	17.9	19.4	19.7
	3H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.2	20.5	20.9
	4H	20.0	21.2	20.5	21.6	22.0	19.4	20.5	19.8	21.0	21.4
	6H	20.5	21.5	21.0	22.0	22.4	20.0	21.0	20.4	21.4	21.9
	8H	20.7	21.7	21.2	22.1	22.6	20.2	21.2	20.7	21.6	22.1
	12H	20.9	21.8	21.4	22.3	22.7	20.5	21.3	20.9	21.8	22.3
8H	4H	20.2	21.1	20.6	21.6	22.0	19.6	20.5	20.0	21.0	21.5
	6H	20.8	21.6	21.3	22.1	22.5	20.3	21.1	20.8	21.6	22.1
	8H	21.1	21.8	21.6	22.3	22.8	20.6	21.4	21.2	21.9	22.4
	12H	21.4	22.0	21.9	22.5	23.1	21.0	21.6	21.5	22.1	22.7
12H	4H	20.2	21.1	20.7	21.5	22.0	19.6	20.5	20.1	21.0	21.4
	6H	20.8	21.6	21.4	22.0	22.6	20.4	21.1	20.9	21.5	22.1
	8H	21.2	21.8	21.7	22.3	22.9	20.8	21.4	21.3	21.9	22.5















(END OF REPORT)