

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: P1527359

Luminaire Tested: 24CGSB-55-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527359
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: 24CGSB-55-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

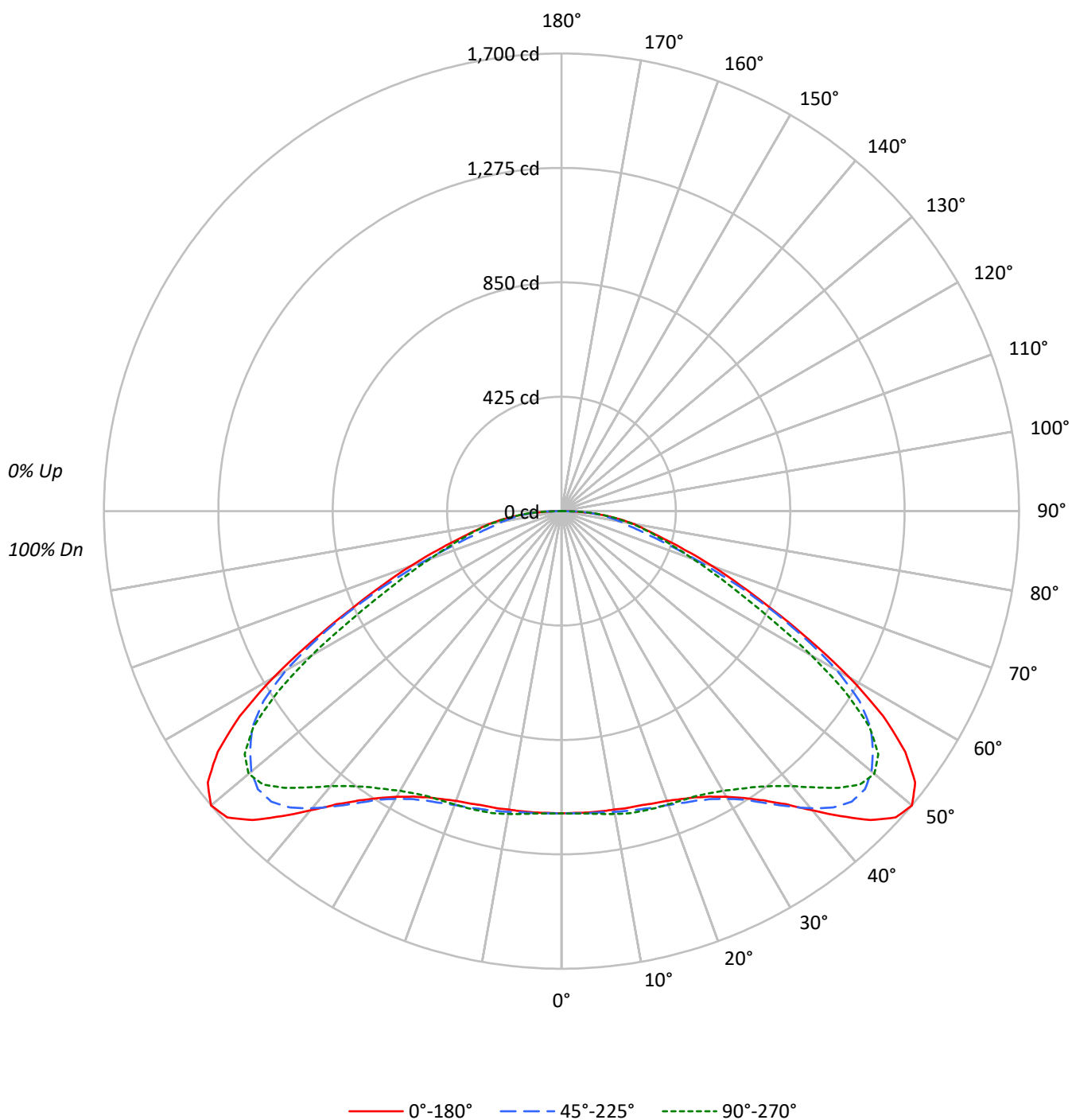
Lumens per Lamp: N/A
Luminaire Lumens: 5604.7 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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°	1511	1511	1511
5°	1518	1520	1523
10°	1538	1550	1561
15°	1576	1596	1607
20°	1640	1663	1660
25°	1742	1762	1736
30°	1903	1916	1863
35°	2155	2174	2055
40°	2548	2531	2342
45°	3087	2903	2766
50°	3559	3148	3177
55°	3658	3289	3278
60°	3324	3178	2886
65°	2750	2700	2354
70°	2348	2115	2046
75°	2033	1685	1937
80°	2105	1707	2038
85°	2127	2052	2262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	1.9
10°-20°	325.0	5.8
20°-30°	548.9	9.8
30°-40°	826.3	14.7
40°-50°	1175.0	21.0
50°-60°	1261.0	22.5
60°-70°	821.8	14.7
70°-80°	395.1	7.1
80°-90°	143.8	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°	981.6	17.5
0°-40°	1808.0	32.3
0°-60°	4244.0	75.7
0°-90°	5604.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5604.7	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	1137	1146	1153	1154	322
25°	1173	1184	1187	1176	1169	546
35°	1312	1337	1324	1279	1251	833
45°	1622	1583	1526	1486	1454	1246
55°	1560	1520	1402	1362	1397	1364
65°	864	857	848	757	740	874
75°	391	370	324	369	373	430
85°	138	129	133	137	146	150
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.8	1122.8	1122.8	1122.8	1122.8
2.5°	1121.8	1122.8	1123.7	1124.7	1124.7
5°	1123.7	1124.7	1125.7	1129.6	1127.6
7.5°	1124.7	1125.7	1128.6	1134.4	1134.4
10°	1125.7	1128.6	1134.4	1140.2	1142.2
12.5°	1129.6	1132.5	1140.2	1148.0	1149.9
15°	1131.5	1137.3	1146.1	1152.9	1153.8
17.5°	1138.3	1144.1	1153.8	1156.7	1156.7
20°	1145.1	1152.9	1161.6	1161.6	1159.6
22.5°	1157.7	1166.4	1173.2	1167.4	1163.5
25°	1173.2	1183.9	1186.8	1176.1	1169.3
27.5°	1195.5	1209.1	1205.3	1190.7	1182.0
30°	1224.7	1242.1	1233.4	1212.0	1199.4
32.5°	1263.5	1284.8	1270.3	1243.1	1223.7
35°	1312.0	1337.2	1323.6	1279.0	1250.9
37.5°	1372.2	1398.4	1381.9	1324.6	1286.8
40°	1450.8	1464.4	1441.1	1379.0	1333.3
42.5°	1536.2	1529.4	1493.5	1436.2	1391.6
45°	1622.5	1582.7	1525.5	1485.7	1453.7
47.5°	1684.6	1610.9	1529.4	1509.0	1503.2
50°	1700.2	1605.1	1504.1	1496.4	1517.7
52.5°	1656.5	1574.0	1458.5	1444.9	1483.8
55°	1559.5	1519.7	1402.2	1361.5	1397.4
57.5°	1416.8	1413.9	1313.0	1240.2	1249.9
60°	1235.3	1247.0	1181.0	1078.1	1072.3
62.5°	1039.3	1046.1	1017.0	910.2	889.9
65°	863.7	856.9	848.1	756.9	739.5
67.5°	719.1	698.7	685.1	629.8	621.1
70°	596.8	564.8	537.6	528.9	520.1
72.5°	483.3	460.0	416.3	440.6	439.6
75°	391.1	369.7	324.1	368.8	372.6
77.5°	320.2	305.7	262.0	302.8	315.4
80°	271.7	241.6	220.3	246.5	263.0
82.5°	207.7	184.4	179.5	190.2	205.7
85°	137.8	129.1	132.9	136.8	146.5
87.5°	69.9	74.7	80.5	87.3	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	20.5	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	21.4
	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)