

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: P1527361

Luminaire Tested: 24CGSB-55-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527361
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

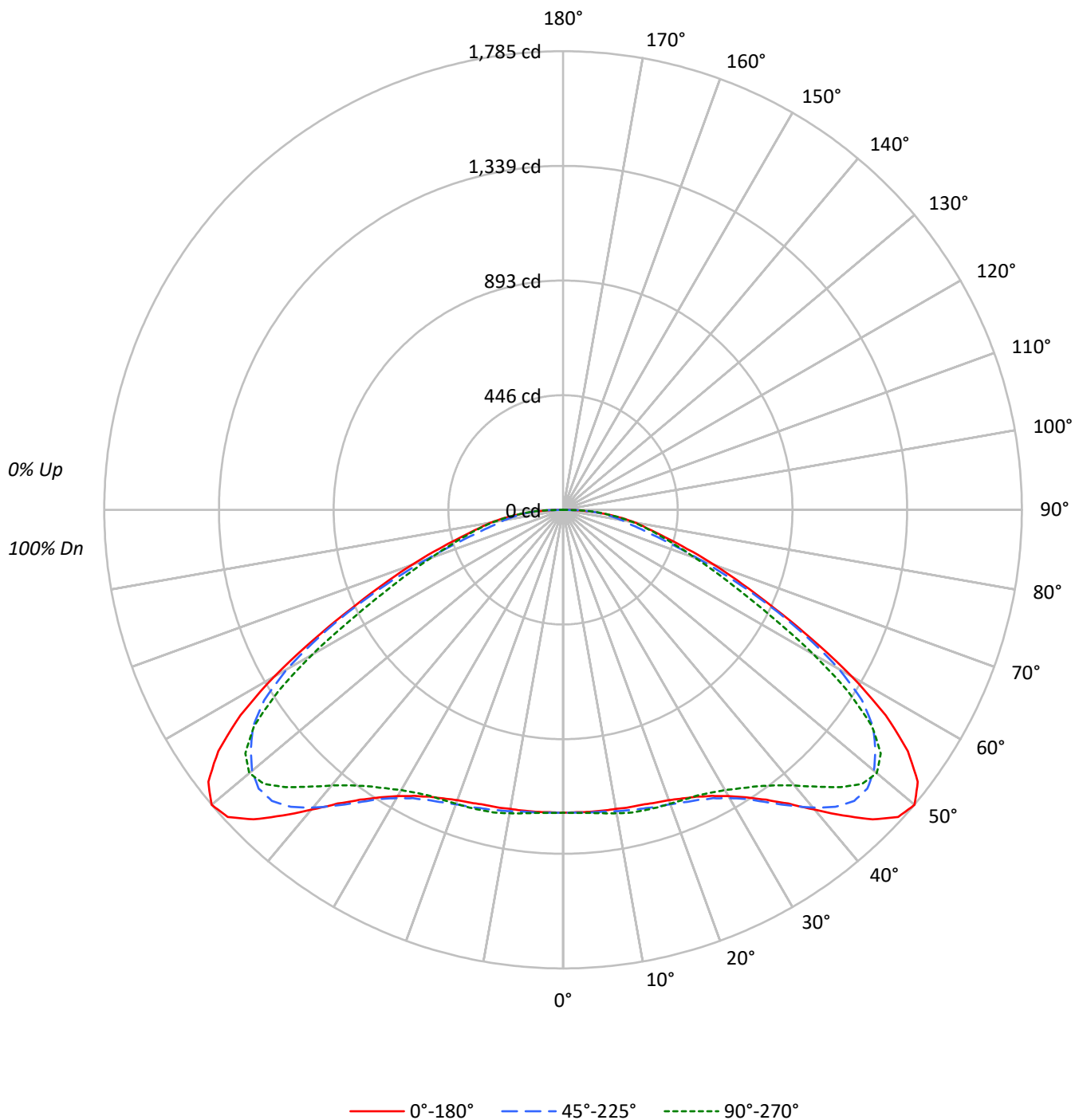
Lumens per Lamp: N/A
Luminaire Lumens: 5884.9 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1586	1586	1586
5°	1594	1596	1599
10°	1615	1627	1639
15°	1655	1676	1688
20°	1722	1746	1743
25°	1829	1850	1823
30°	1998	2012	1957
35°	2263	2283	2157
40°	2676	2658	2459
45°	3242	3048	2904
50°	3737	3306	3336
55°	3841	3454	3442
60°	3490	3337	3030
65°	2887	2835	2472
70°	2465	2221	2148
75°	2135	1769	2034
80°	2211	1792	2139
85°	2234	2155	2376

MAXIMUM LUMINANCE 45°-90°:

Luminance: 3844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	1.9
10°-20°	341.2	5.8
20°-30°	576.4	9.8
30°-40°	867.6	14.7
40°-50°	1233.7	21.0
50°-60°	1324.1	22.5
60°-70°	862.9	14.7
70°-80°	414.9	7.0
80°-90°	151.0	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°	1030.7	17.5
0°-40°	1898.4	32.3
0°-60°	4456.2	75.7
0°-90°	5884.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5884.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1179	1179	1179	1179	1179	
5°	1180	1181	1182	1186	1184	113
15°	1188	1194	1203	1210	1212	338
25°	1232	1243	1246	1235	1228	574
35°	1378	1404	1390	1343	1313	874
45°	1704	1662	1602	1560	1526	1308
55°	1637	1596	1472	1430	1467	1432
65°	907	900	890	795	776	918
75°	411	388	340	387	391	451
85°	145	136	140	144	154	158
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.9	1178.9	1178.9	1178.9	1178.9
2.5°	1177.9	1178.9	1179.9	1180.9	1180.9
5°	1179.9	1180.9	1182.0	1186.0	1184.0
7.5°	1180.9	1182.0	1185.0	1191.1	1191.1
10°	1182.0	1185.0	1191.1	1197.2	1199.3
12.5°	1186.0	1189.1	1197.2	1205.4	1207.4
15°	1188.1	1194.2	1203.4	1210.5	1211.5
17.5°	1195.2	1201.3	1211.5	1214.6	1214.6
20°	1202.3	1210.5	1219.7	1219.7	1217.6
22.5°	1215.6	1224.8	1231.9	1225.8	1221.7
25°	1231.9	1243.1	1246.2	1234.9	1227.8
27.5°	1255.3	1269.6	1265.5	1250.2	1241.1
30°	1285.9	1304.2	1295.1	1272.6	1259.4
32.5°	1326.7	1349.1	1333.8	1305.3	1284.9
35°	1377.6	1404.1	1389.8	1343.0	1313.4
37.5°	1440.8	1468.3	1451.0	1390.8	1351.1
40°	1523.3	1537.6	1513.1	1447.9	1400.0
42.5°	1613.0	1605.8	1568.1	1508.0	1461.2
45°	1703.7	1661.9	1601.8	1560.0	1526.4
47.5°	1768.9	1691.4	1605.8	1584.4	1578.3
50°	1785.2	1685.3	1579.3	1571.2	1593.6
52.5°	1739.3	1652.7	1531.5	1517.2	1558.0
55°	1637.4	1595.7	1472.4	1429.6	1467.3
57.5°	1487.6	1484.6	1378.6	1302.2	1312.4
60°	1297.1	1309.3	1240.0	1132.0	1125.9
62.5°	1091.3	1098.4	1067.8	955.8	934.4
65°	906.9	899.7	890.5	794.8	776.4
67.5°	755.0	733.6	719.4	661.3	652.1
70°	626.6	593.0	564.5	555.3	546.1
72.5°	507.4	483.0	437.1	462.6	461.6
75°	410.6	388.2	340.3	387.2	391.3
77.5°	336.2	321.0	275.1	317.9	331.2
80°	285.3	253.7	231.3	258.8	276.1
82.5°	218.1	193.6	188.5	199.7	216.0
85°	144.7	135.5	139.6	143.7	153.9
87.5°	73.4	78.5	84.6	91.7	96.8
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	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	21.0	21.4	18.2	19.8	18.6	20.2	20.5
	4H	19.5	21.0	19.9	21.4	21.7	18.7	20.2	19.1	20.6	20.9
	6H	19.9	21.3	20.3	21.6	22.0	19.1	20.5	19.5	20.9	21.3
	8H	20.0	21.4	20.4	21.8	22.2	19.3	20.7	19.7	21.1	21.5
	12H	20.1	21.4	20.6	21.8	22.3	19.5	20.8	19.9	21.2	21.6
4H	2H	18.4	19.9	18.8	20.3	20.7	17.7	19.2	18.0	19.5	19.9
	3H	19.7	21.0	20.1	21.4	21.8	19.0	20.3	19.4	20.6	21.0
	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	21.1	22.1	22.6	20.1	21.1	20.6	21.6	22.0
	8H	20.9	21.9	21.4	22.3	22.8	20.4	21.3	20.8	21.8	22.2
	12H	21.1	22.0	21.6	22.4	22.9	20.6	21.5	21.1	22.0	22.4
8H	4H	20.4	21.3	20.8	21.7	22.2	19.8	20.7	20.2	21.2	21.6
	6H	21.0	21.8	21.4	22.2	22.7	20.5	21.3	21.0	21.7	22.2
	8H	21.3	22.0	21.8	22.5	23.0	20.8	21.5	21.3	22.0	22.5
	12H	21.5	22.2	22.0	22.7	23.2	21.2	21.8	21.7	22.3	22.9
12H	4H	20.4	21.2	20.9	21.7	22.2	19.8	20.7	20.3	21.1	21.6
	6H	21.0	21.7	21.5	22.2	22.7	20.5	21.3	21.1	21.7	22.3
	8H	21.4	22.0	21.9	22.5	23.0	20.9	21.6	21.4	22.1	22.6















(END OF REPORT)