

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: P1527376

Luminaire Tested: 24CGSB-70-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527376
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-70-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

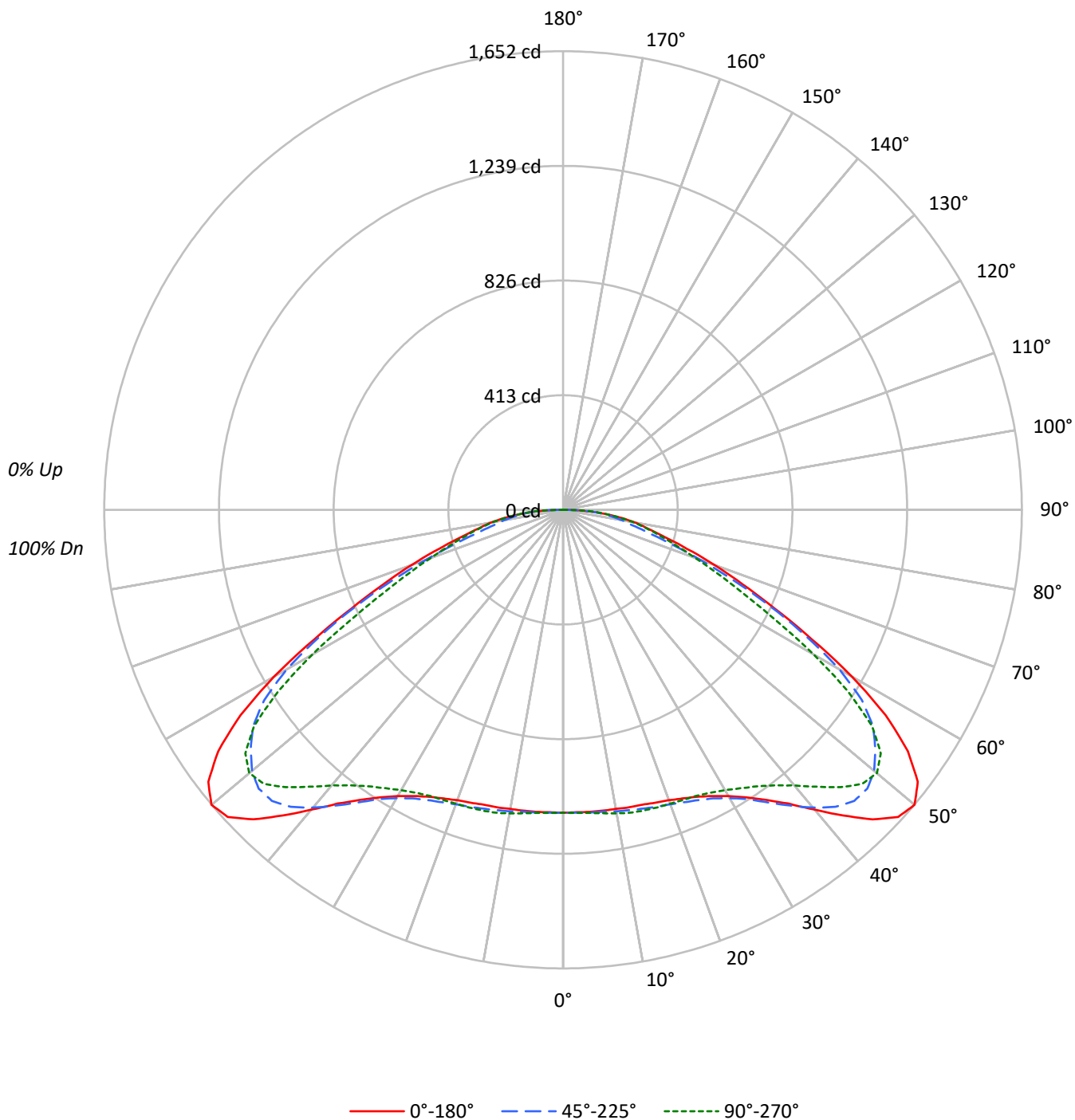
Lumens per Lamp: N/A
Luminaire Lumens: 5446.9 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.3
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°	1468	1468	1468
5°	1475	1478	1480
10°	1495	1506	1517
15°	1532	1551	1562
20°	1593	1616	1614
25°	1693	1712	1687
30°	1849	1862	1811
35°	2094	2113	1997
40°	2476	2460	2276
45°	3001	2821	2688
50°	3459	3060	3087
55°	3555	3197	3186
60°	3231	3088	2804
65°	2672	2624	2288
70°	2282	2055	1989
75°	1976	1638	1882
80°	2046	1659	1980
85°	2067	1995	2198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	1.9
10°-20°	315.8	5.8
20°-30°	533.5	9.8
30°-40°	803.1	14.7
40°-50°	1141.9	21.0
50°-60°	1225.5	22.5
60°-70°	798.7	14.7
70°-80°	384.0	7.1
80°-90°	139.8	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°	954.0	17.5
0°-40°	1757.1	32.3
0°-60°	4124.5	75.7
0°-90°	5446.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5446.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1092	1093	1094	1098	1096	104
15°	1100	1105	1114	1120	1121	313
25°	1140	1151	1153	1143	1136	531
35°	1275	1300	1286	1243	1216	809
45°	1577	1538	1482	1444	1413	1211
55°	1516	1477	1363	1323	1358	1326
65°	839	833	824	736	719	849
75°	380	359	315	358	362	417
85°	134	125	129	133	142	146
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1090.2	1091.2	1092.1	1093.0	1093.0
5°	1092.1	1093.0	1094.0	1097.8	1095.9
7.5°	1093.0	1094.0	1096.8	1102.5	1102.5
10°	1094.0	1096.8	1102.5	1108.1	1110.0
12.5°	1097.8	1100.6	1108.1	1115.7	1117.6
15°	1099.6	1105.3	1113.8	1120.4	1121.3
17.5°	1106.3	1111.9	1121.3	1124.2	1124.2
20°	1112.9	1120.4	1128.9	1128.9	1127.0
22.5°	1125.1	1133.6	1140.2	1134.5	1130.8
25°	1140.2	1150.6	1153.4	1143.0	1136.4
27.5°	1161.9	1175.1	1171.3	1157.2	1148.7
30°	1190.2	1207.2	1198.7	1177.9	1165.7
32.5°	1227.9	1248.7	1234.5	1208.1	1189.2
35°	1275.1	1299.6	1286.4	1243.0	1215.6
37.5°	1333.5	1359.0	1343.0	1287.3	1250.5
40°	1409.9	1423.1	1400.5	1340.1	1295.8
42.5°	1492.9	1486.3	1451.4	1395.8	1352.4
45°	1576.9	1538.2	1482.5	1443.9	1412.8
47.5°	1637.2	1565.5	1486.3	1466.5	1460.9
50°	1652.3	1559.9	1461.8	1454.3	1475.0
52.5°	1609.9	1529.7	1417.5	1404.3	1442.0
55°	1515.6	1476.9	1362.8	1323.2	1358.1
57.5°	1376.9	1374.1	1276.0	1205.3	1214.7
60°	1200.6	1211.9	1147.7	1047.8	1042.1
62.5°	1010.1	1016.7	988.4	884.6	864.8
65°	839.4	832.8	824.3	735.6	718.6
67.5°	698.8	679.0	665.8	612.1	603.6
70°	580.0	548.9	522.5	514.0	505.5
72.5°	469.7	447.0	404.6	428.2	427.2
75°	380.1	359.3	315.0	358.4	362.1
77.5°	311.2	297.1	254.6	294.2	306.5
80°	264.1	234.8	214.1	239.5	255.6
82.5°	201.8	179.2	174.5	184.8	199.9
85°	133.9	125.4	129.2	133.0	142.4
87.5°	67.9	72.6	78.3	84.9	89.6
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	17.7	19.5	18.1	19.8	20.1	16.8	18.6	17.2	18.9	19.2
	3H	18.8	20.5	19.2	20.8	21.1	18.0	19.6	18.3	19.9	20.3
	4H	19.2	20.8	19.6	21.1	21.5	18.4	19.9	18.8	20.3	20.7
	6H	19.6	21.0	20.0	21.4	21.8	18.9	20.3	19.3	20.6	21.0
	8H	19.7	21.1	20.2	21.5	21.9	19.1	20.4	19.5	20.8	21.2
	12H	19.9	21.2	20.3	21.6	22.0	19.2	20.5	19.7	20.9	21.3
4H	2H	18.1	19.7	18.5	20.0	20.4	17.4	18.9	17.8	19.3	19.6
	3H	19.4	20.7	19.8	21.1	21.5	18.7	20.0	19.1	20.4	20.8
	4H	19.9	21.1	20.4	21.5	21.9	19.3	20.4	19.7	20.9	21.3
	6H	20.4	21.4	20.9	21.9	22.3	19.9	20.9	20.3	21.3	21.8
	8H	20.6	21.6	21.1	22.0	22.5	20.1	21.1	20.6	21.5	22.0
	12H	20.8	21.7	21.3	22.2	22.6	20.4	21.2	20.8	21.7	22.2
8H	4H	20.1	21.0	20.5	21.5	21.9	19.5	20.4	19.9	20.9	21.3
	6H	20.7	21.5	21.2	22.0	22.4	20.2	21.0	20.7	21.5	22.0
	8H	21.0	21.7	21.5	22.2	22.7	20.5	21.3	21.1	21.8	22.3
	12H	21.3	21.9	21.8	22.4	23.0	20.9	21.5	21.4	22.0	22.6
12H	4H	20.1	21.0	20.6	21.4	21.9	19.5	20.4	20.0	20.9	21.3
	6H	20.7	21.5	21.3	21.9	22.5	20.3	21.0	20.8	21.4	22.0
	8H	21.1	21.7	21.6	22.2	22.8	20.7	21.3	21.2	21.8	22.4















(END OF REPORT)