

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: P1527378

Luminaire Tested: 24CGSB-70-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527378
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

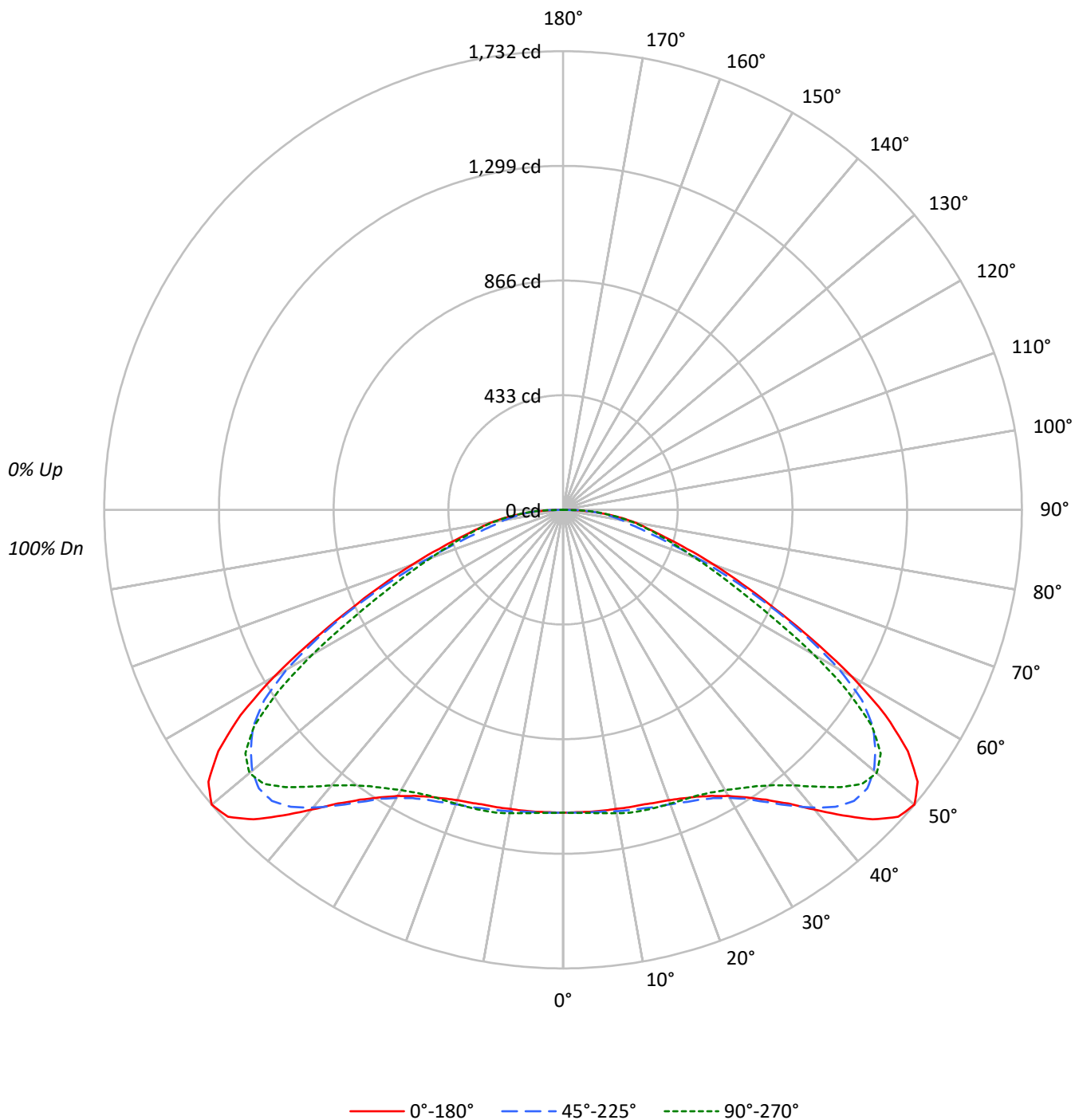
Lumens per Lamp: N/A
Luminaire Lumens: 5709.4 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	1539	1539	1539
5°	1546	1549	1551
10°	1567	1579	1590
15°	1606	1626	1637
20°	1670	1694	1691
25°	1774	1795	1768
30°	1938	1952	1898
35°	2195	2215	2093
40°	2596	2578	2386
45°	3145	2957	2818
50°	3625	3207	3236
55°	3727	3351	3339
60°	3386	3238	2939
65°	2801	2751	2398
70°	2392	2155	2085
75°	2071	1717	1973
80°	2145	1739	2076
85°	2167	2090	2305

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	1.9
10°-20°	331.0	5.8
20°-30°	559.2	9.8
30°-40°	841.8	14.7
40°-50°	1196.9	21.0
50°-60°	1284.6	22.5
60°-70°	837.2	14.7
70°-80°	402.5	7.1
80°-90°	146.5	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°	1000.0	17.5
0°-40°	1841.7	32.3
0°-60°	4323.2	75.7
0°-90°	5709.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5709.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1145	1146	1147	1151	1149	109
15°	1153	1159	1168	1174	1175	328
25°	1195	1206	1209	1198	1191	556
35°	1336	1362	1348	1303	1274	848
45°	1653	1612	1554	1514	1481	1269
55°	1589	1548	1428	1387	1424	1390
65°	880	873	864	771	753	890
75°	398	377	330	376	380	438
85°	140	132	135	139	149	153
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1142.8	1143.7	1144.7	1145.7	1145.7
5°	1144.7	1145.7	1146.7	1150.7	1148.7
7.5°	1145.7	1146.7	1149.7	1155.6	1155.6
10°	1146.7	1149.7	1155.6	1161.5	1163.5
12.5°	1150.7	1153.6	1161.5	1169.4	1171.4
15°	1152.6	1158.6	1167.5	1174.4	1175.4
17.5°	1159.6	1165.5	1175.4	1178.3	1178.3
20°	1166.5	1174.4	1183.3	1183.3	1181.3
22.5°	1179.3	1188.2	1195.2	1189.2	1185.3
25°	1195.2	1206.0	1209.0	1198.1	1191.2
27.5°	1217.9	1231.7	1227.8	1212.9	1204.0
30°	1247.5	1265.3	1256.4	1234.7	1221.8
32.5°	1287.1	1308.8	1294.0	1266.3	1246.6
35°	1336.5	1362.2	1348.4	1302.9	1274.2
37.5°	1397.8	1424.5	1407.7	1349.4	1310.8
40°	1477.9	1491.7	1468.0	1404.7	1358.3
42.5°	1564.9	1557.9	1521.4	1463.0	1417.6
45°	1652.8	1612.3	1554.0	1513.5	1480.8
47.5°	1716.1	1641.0	1557.9	1537.2	1531.3
50°	1731.9	1635.1	1532.2	1524.3	1546.1
52.5°	1687.4	1603.4	1485.8	1471.9	1511.5
55°	1588.6	1548.1	1428.4	1386.9	1423.5
57.5°	1443.3	1440.3	1337.5	1263.4	1273.2
60°	1258.4	1270.3	1203.1	1098.3	1092.3
62.5°	1058.7	1065.7	1036.0	927.3	906.5
65°	879.8	872.9	864.0	771.1	753.3
67.5°	732.5	711.8	697.9	641.6	632.7
70°	608.0	575.3	547.7	538.8	529.9
72.5°	492.3	468.6	424.1	448.8	447.8
75°	398.4	376.6	330.2	375.6	379.6
77.5°	326.2	311.4	266.9	308.4	321.3
80°	276.8	246.1	224.4	251.1	267.9
82.5°	211.5	187.8	182.9	193.8	209.6
85°	140.4	131.5	135.4	139.4	149.3
87.5°	71.2	76.1	82.0	89.0	93.9
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	17.9	19.7	18.3	20.0	20.3	17.0	18.8	17.3	19.1	19.4
	3H	19.0	20.6	19.4	20.9	21.3	18.1	19.7	18.5	20.1	20.4
	4H	19.4	20.9	19.8	21.3	21.6	18.6	20.1	19.0	20.5	20.8
	6H	19.7	21.2	20.2	21.5	21.9	19.0	20.4	19.4	20.8	21.2
	8H	19.9	21.3	20.3	21.7	22.0	19.2	20.6	19.6	21.0	21.4
	12H	20.0	21.3	20.5	21.7	22.1	19.4	20.7	19.8	21.1	21.5
4H	2H	18.3	19.8	18.7	20.2	20.5	17.5	19.1	17.9	19.4	19.8
	3H	19.6	20.9	20.0	21.3	21.7	18.9	20.1	19.3	20.5	20.9
	4H	20.1	21.2	20.5	21.7	22.1	19.4	20.6	19.9	21.0	21.4
	6H	20.6	21.6	21.0	22.0	22.5	20.0	21.0	20.5	21.5	21.9
	8H	20.8	21.8	21.3	22.2	22.7	20.3	21.2	20.7	21.7	22.1
	12H	21.0	21.9	21.5	22.3	22.8	20.5	21.4	21.0	21.9	22.3
8H	4H	20.2	21.2	20.7	21.6	22.1	19.7	20.6	20.1	21.1	21.5
	6H	20.8	21.6	21.3	22.1	22.6	20.4	21.2	20.8	21.6	22.1
	8H	21.1	21.9	21.7	22.4	22.9	20.7	21.4	21.2	21.9	22.4
	12H	21.4	22.1	21.9	22.6	23.1	21.1	21.7	21.6	22.2	22.8
12H	4H	20.3	21.1	20.8	21.6	22.1	19.7	20.6	20.2	21.0	21.5
	6H	20.9	21.6	21.4	22.1	22.6	20.4	21.2	20.9	21.6	22.1
	8H	21.3	21.9	21.8	22.4	22.9	20.8	21.5	21.3	22.0	22.5











(END OF REPORT)