

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: P1527362

Luminaire Tested: 24CGSB-55-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527362
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

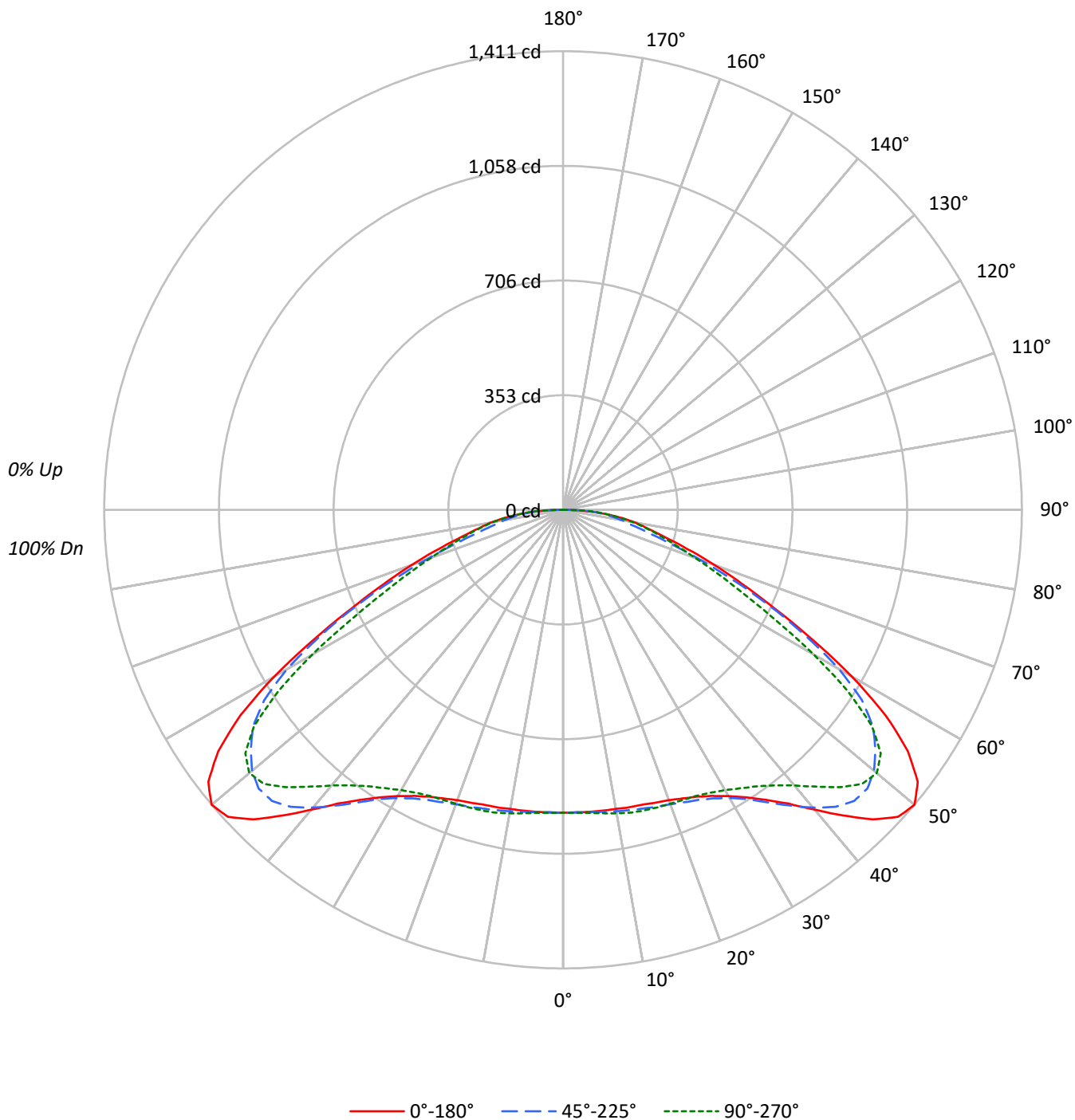
Lumens per Lamp: N/A
Luminaire Lumens: 4651.9 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	1254	1254	1254
5°	1260	1262	1264
10°	1276	1286	1295
15°	1308	1325	1334
20°	1361	1380	1378
25°	1446	1462	1441
30°	1579	1590	1547
35°	1789	1804	1705
40°	2115	2101	1944
45°	2563	2409	2296
50°	2954	2613	2637
55°	3036	2730	2721
60°	2759	2638	2395
65°	2282	2241	1954
70°	1948	1755	1698
75°	1687	1398	1608
80°	1747	1416	1691
85°	1766	1703	1877

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3039 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.9
10°-20°	269.7	5.8
20°-30°	455.6	9.8
30°-40°	685.8	14.7
40°-50°	975.3	21.0
50°-60°	1046.6	22.5
60°-70°	682.1	14.7
70°-80°	328.0	7.1
80°-90°	119.4	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°	814.8	17.5
0°-40°	1500.6	32.3
0°-60°	3522.5	75.7
0°-90°	4651.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4651.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	933	934	934	938	936	89
15°	939	944	951	957	958	267
25°	974	983	985	976	971	453
35°	1089	1110	1099	1062	1038	691
45°	1347	1314	1266	1233	1207	1034
55°	1294	1261	1164	1130	1160	1132
65°	717	711	704	628	614	725
75°	325	307	269	306	309	356
85°	114	107	110	114	122	125
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	931.9	931.9	931.9	931.9	931.9
2.5°	931.1	931.9	932.7	933.5	933.5
5°	932.7	933.5	934.3	937.5	935.9
7.5°	933.5	934.3	936.7	941.6	941.6
10°	934.3	936.7	941.6	946.4	948.0
12.5°	937.5	940.0	946.4	952.8	954.5
15°	939.1	944.0	951.2	956.9	957.7
17.5°	944.8	949.6	957.7	960.1	960.1
20°	950.4	956.9	964.1	964.1	962.5
22.5°	960.9	968.1	973.8	968.9	965.7
25°	973.8	982.6	985.1	976.2	970.6
27.5°	992.3	1003.6	1000.4	988.3	981.0
30°	1016.5	1031.0	1023.7	1006.0	995.5
32.5°	1048.7	1066.4	1054.3	1031.8	1015.7
35°	1089.0	1109.9	1098.6	1061.6	1038.2
37.5°	1138.9	1160.6	1147.0	1099.4	1068.0
40°	1204.1	1215.4	1196.1	1144.5	1106.7
42.5°	1275.0	1269.4	1239.6	1192.1	1155.0
45°	1346.7	1313.7	1266.2	1233.1	1206.6
47.5°	1398.2	1337.0	1269.4	1252.5	1247.6
50°	1411.1	1332.2	1248.4	1242.0	1259.7
52.5°	1374.9	1306.4	1210.6	1199.3	1231.5
55°	1294.3	1261.3	1163.9	1130.0	1159.8
57.5°	1175.9	1173.5	1089.8	1029.4	1037.4
60°	1025.3	1035.0	980.2	894.8	890.0
62.5°	862.6	868.3	844.1	755.5	738.6
65°	716.8	711.2	704.0	628.2	613.7
67.5°	596.8	579.9	568.6	522.7	515.5
70°	495.3	468.8	446.2	439.0	431.7
72.5°	401.1	381.8	345.5	365.7	364.9
75°	324.6	306.9	269.0	306.1	309.3
77.5°	265.8	253.7	217.5	251.3	261.8
80°	225.5	200.6	182.8	204.6	218.3
82.5°	172.4	153.0	149.0	157.9	170.8
85°	114.4	107.1	110.3	113.6	121.6
87.5°	58.0	62.0	66.9	72.5	76.5
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	17.2	19.0	17.5	19.3	19.6	16.3	18.1	16.6	18.4	18.7
	3H	18.3	19.9	18.7	20.2	20.6	17.4	19.0	17.8	19.3	19.7
	4H	18.7	20.2	19.1	20.5	20.9	17.9	19.4	18.3	19.7	20.1
	6H	19.0	20.5	19.4	20.8	21.2	18.3	19.7	18.7	20.1	20.5
	8H	19.2	20.6	19.6	20.9	21.3	18.5	19.9	18.9	20.3	20.6
	12H	19.3	20.6	19.8	21.0	21.4	18.7	20.0	19.1	20.4	20.8
4H	2H	17.6	19.1	18.0	19.5	19.8	16.8	18.4	17.2	18.7	19.1
	3H	18.9	20.2	19.3	20.5	20.9	18.2	19.4	18.6	19.8	20.2
	4H	19.4	20.5	19.8	20.9	21.4	18.7	19.9	19.2	20.3	20.7
	6H	19.9	20.9	20.3	21.3	21.8	19.3	20.3	19.8	20.8	21.2
	8H	20.1	21.0	20.5	21.5	21.9	19.6	20.5	20.0	21.0	21.4
	12H	20.3	21.1	20.8	21.6	22.1	19.8	20.7	20.3	21.2	21.6
8H	4H	19.5	20.5	20.0	20.9	21.4	18.9	19.9	19.4	20.3	20.8
	6H	20.1	20.9	20.6	21.4	21.9	19.6	20.4	20.1	20.9	21.4
	8H	20.4	21.2	20.9	21.7	22.1	20.0	20.7	20.5	21.2	21.7
	12H	20.7	21.4	21.2	21.9	22.4	20.4	21.0	20.9	21.5	22.0
12H	4H	19.6	20.4	20.0	20.9	21.4	19.0	19.8	19.5	20.3	20.8
	6H	20.2	20.9	20.7	21.4	21.9	19.7	20.4	20.2	20.9	21.4
	8H	20.5	21.2	21.0	21.7	22.2	20.1	20.8	20.6	21.3	21.8















(END OF REPORT)