

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P1053668

Luminaire Tested: 22CGTS-L3C3-5000K-LOW

Issue Date: 7/22/2025

**Test Information**

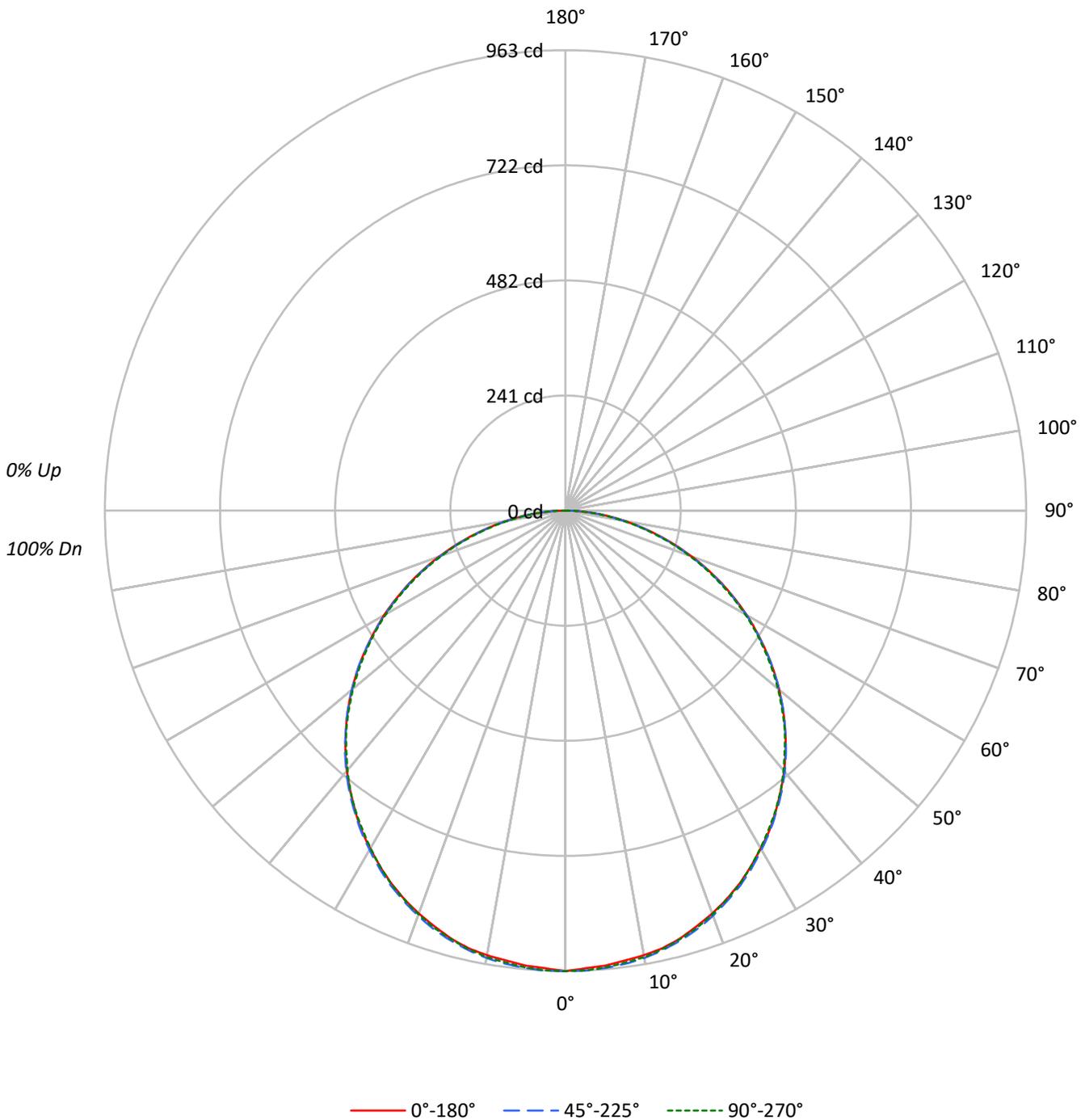
Test Method: LM-79-2019  
Report Number: P1053668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/22/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGTS-L3C3-5000K-LOW  
Description: 2x2 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and LOW lumen settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2817.0 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 18.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot







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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	3.2
10°-20°	262.2	9.3
20°-30°	397.7	14.1
30°-40°	480.3	17.1
40°-50°	500.8	17.8
50°-60°	456.4	16.2
60°-70°	353.7	12.6
70°-80°	210.4	7.5
80°-90°	64.2	2.3
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°	751.2	26.7
0°-40°	1231.5	43.7
0°-60°	2188.7	77.7
0°-90°	2817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	955	960	960	960	959	91
15°	926	930	930	930	928	261
25°	861	865	865	862	862	397
35°	767	771	769	767	766	480
45°	649	652	649	646	648	501
55°	511	513	511	507	507	457
65°	360	360	358	354	356	356
75°	202	202	199	194	196	214
85°	59	59	59	54	56	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	963.2	963.2	963.2	963.2	963.2
2.5°	958.3	964.2	963.2	962.2	962.2
5°	955.3	960.3	960.3	960.3	959.3
7.5°	949.3	956.3	956.3	954.3	953.3
10°	944.4	950.3	950.3	949.3	948.3
12.5°	937.4	941.4	941.4	940.4	939.4
15°	926.5	930.5	930.5	929.5	927.5
17.5°	911.6	917.6	917.6	914.6	914.6
20°	896.7	902.7	901.7	899.7	898.7
22.5°	879.8	884.8	883.8	881.8	880.8
25°	860.9	864.9	864.9	861.9	861.9
27.5°	839.1	844.1	843.1	840.1	839.1
30°	816.3	820.2	819.2	816.3	815.3
32.5°	793.4	796.4	795.4	791.4	790.4
35°	766.6	770.6	768.6	766.6	765.6
37.5°	738.8	742.8	741.8	738.8	738.8
40°	711.0	713.0	713.0	709.0	709.0
42.5°	681.2	684.2	682.2	678.2	678.2
45°	649.4	652.4	649.4	646.5	648.4
47.5°	616.7	619.6	617.7	613.7	613.7
50°	582.9	584.9	582.9	579.9	579.9
52.5°	548.1	551.1	548.1	545.2	544.2
55°	511.4	513.4	511.4	507.4	507.4
57.5°	474.7	476.6	473.7	469.7	471.7
60°	437.9	438.9	436.9	432.0	433.9
62.5°	399.2	400.2	397.2	393.2	394.2
65°	360.5	360.5	358.5	353.5	355.5
67.5°	320.7	320.7	318.8	313.8	315.8
70°	281.0	281.0	278.0	274.1	275.1
72.5°	241.3	241.3	238.3	234.4	236.3
75°	201.6	201.6	198.6	193.6	195.6
77.5°	163.8	163.8	161.9	155.9	157.9
80°	127.1	128.1	125.1	119.2	122.1
82.5°	91.4	91.4	91.4	86.4	87.4
85°	58.6	58.6	58.6	53.6	55.6
87.5°	27.8	27.8	27.8	25.8	25.8
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	15.93	17.59	16.30	17.90	18.22	15.84	17.50	16.21	17.81	18.13
	3H	17.83	19.33	18.20	19.66	20.02	17.71	19.22	18.09	19.54	19.90
	4H	18.56	19.98	18.96	20.32	20.70	18.43	19.84	18.82	20.19	20.56
	6H	19.13	20.44	19.54	20.81	21.20	18.97	20.28	19.38	20.65	21.04
	8H	19.33	20.58	19.75	20.97	21.37	19.16	20.41	19.58	20.80	21.20
	12H	19.47	20.67	19.90	21.05	21.48	19.29	20.49	19.72	20.88	21.30
4H	2H	16.59	18.00	16.98	18.35	18.72	16.52	17.93	16.91	18.28	18.65
	3H	18.71	19.90	19.12	20.29	20.69	18.61	19.80	19.02	20.19	20.59
	4H	19.57	20.65	20.01	21.07	21.50	19.44	20.52	19.87	20.93	21.37
	6H	20.29	21.23	20.74	21.67	22.12	20.11	21.06	20.57	21.50	21.95
	8H	20.54	21.42	21.00	21.86	22.33	20.35	21.24	20.81	21.68	22.14
	12H	20.73	21.53	21.21	22.00	22.47	20.54	21.33	21.01	21.81	22.28
8H	4H	19.91	20.80	20.37	21.24	21.70	19.79	20.68	20.25	21.12	21.58
	6H	20.76	21.50	21.25	21.98	22.46	20.59	21.33	21.09	21.82	22.29
	8H	21.10	21.76	21.60	22.26	22.75	20.91	21.57	21.42	22.08	22.56
	12H	21.38	21.97	21.88	22.46	23.01	21.18	21.76	21.68	22.25	22.81
12H	4H	19.95	20.75	20.43	21.22	21.69	19.84	20.64	20.32	21.11	21.58
	6H	20.83	21.49	21.33	22.00	22.48	20.67	21.34	21.18	21.84	22.33
	8H	21.23	21.82	21.73	22.31	22.86	21.05	21.64	21.56	22.13	22.69