

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: P601442

Luminaire Tested: 22CGSB-25-L930

Issue Date: 1/24/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P601442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/24/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGSB-25-L930  
Description: 2x2 CGSB AT 2500lm 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

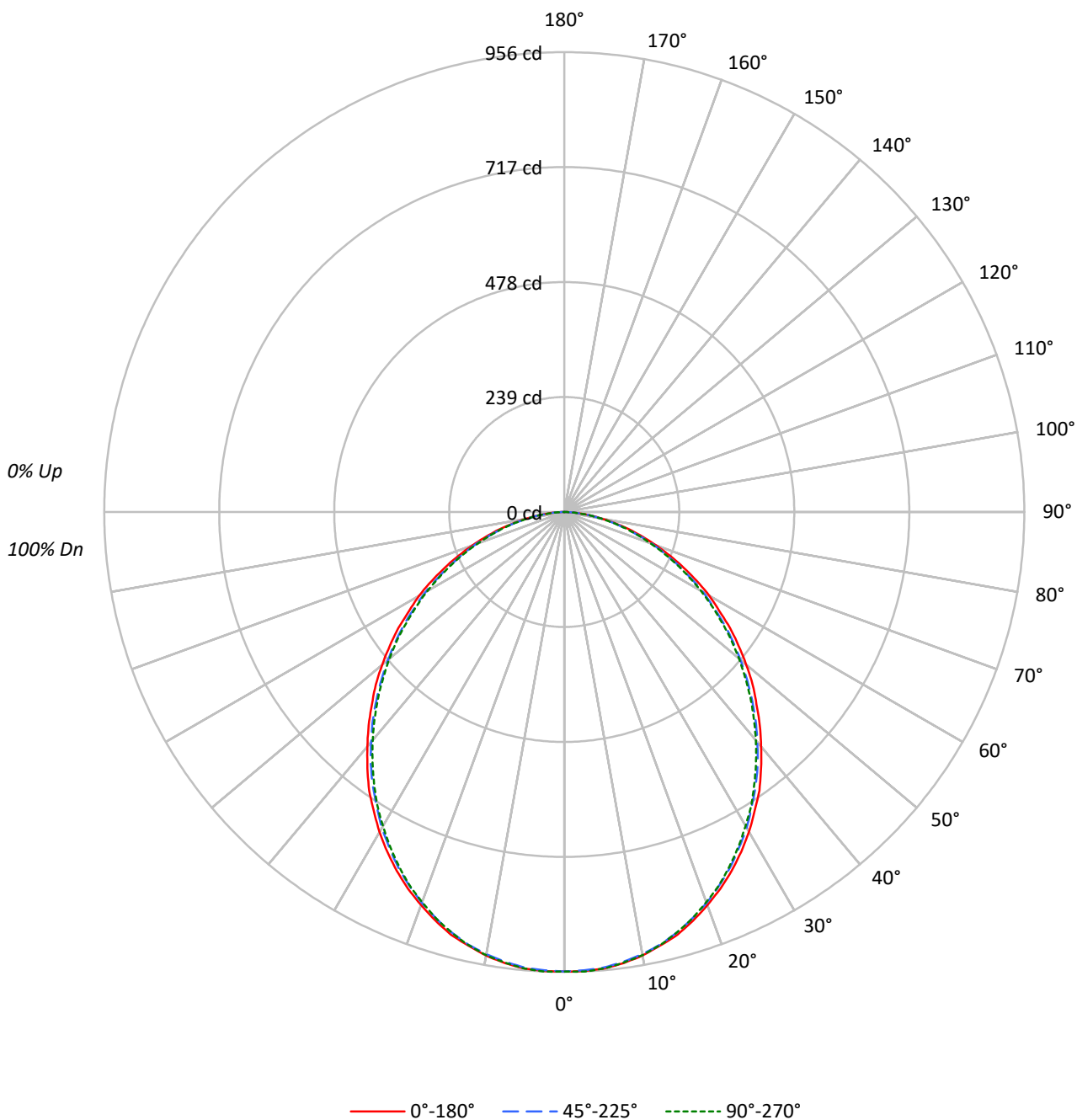
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2387.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): 120  
Input Current (Ain): 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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**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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2570	2570	2570
5°	2573	2568	2573
10°	2558	2550	2555
15°	2534	2521	2521
20°	2490	2477	2471
25°	2444	2421	2412
30°	2386	2356	2341
35°	2322	2279	2263
40°	2236	2192	2176
45°	2151	2100	2082
50°	2067	1999	1984
55°	1973	1901	1875
60°	1874	1792	1766
65°	1745	1660	1642
70°	1595	1534	1497
75°	1455	1365	1375
80°	1254	1179	1195
85°	969	939	880

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	3.8
10°-20°	255.1	10.7
20°-30°	375.8	15.7
30°-40°	434.7	18.2
40°-50°	427.3	17.9
50°-60°	364.2	15.3
60°-70°	260.9	10.9
70°-80°	141.7	5.9
80°-90°	37.0	1.5
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°	721.1	30.2
0°-40°	1155.8	48.4
0°-60°	1947.3	81.6
0°-90°	2387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	952	950	950	950	952	90
15°	910	906	905	904	905	256
25°	823	819	815	814	812	379
35°	707	701	694	690	689	441
45°	565	561	552	547	547	437
55°	420	413	405	400	400	375
65°	274	268	261	258	258	271
75°	140	135	131	129	132	148
85°	31	31	30	30	28	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	955.2	955.2	955.2	955.2	955.2
2.5°	955.2	954.3	953.3	954.3	956.2
5°	952.4	950.5	950.5	950.5	952.4
7.5°	945.7	943.8	942.8	943.8	944.8
10°	936.2	934.3	933.3	934.3	935.2
12.5°	922.9	921.9	921.0	921.0	921.9
15°	909.6	905.7	904.8	903.8	904.8
17.5°	890.5	889.6	885.8	885.8	885.8
20°	869.6	867.7	864.8	862.9	862.9
22.5°	847.7	845.8	841.0	839.1	840.1
25°	823.0	819.2	815.4	813.5	812.5
27.5°	796.3	792.5	786.8	784.0	784.0
30°	767.8	764.9	758.3	754.5	753.5
32.5°	736.4	734.5	725.0	723.1	723.1
35°	706.9	701.2	693.6	689.8	688.8
37.5°	671.7	667.9	660.3	655.5	654.6
40°	636.5	631.7	624.1	620.3	619.4
42.5°	601.3	596.5	588.9	584.2	583.2
45°	565.1	561.3	551.8	547.1	547.1
47.5°	530.9	523.3	514.7	510.9	510.0
50°	493.8	487.1	477.6	473.8	473.8
52.5°	456.7	451.9	441.5	439.6	437.6
55°	420.5	412.9	405.3	400.5	399.6
57.5°	381.5	374.9	367.2	363.4	363.4
60°	348.2	339.7	333.0	328.2	328.2
62.5°	310.2	302.5	295.9	293.0	292.1
65°	274.0	268.3	260.7	257.8	257.8
67.5°	237.9	233.1	226.4	223.6	224.5
70°	202.7	199.8	195.0	191.2	190.3
72.5°	170.3	166.5	161.7	160.8	160.8
75°	139.9	135.1	131.3	129.4	132.2
77.5°	108.5	105.6	103.7	102.8	103.7
80°	80.9	77.1	76.1	77.1	77.1
82.5°	56.1	54.2	53.3	53.3	53.3
85°	31.4	31.4	30.4	29.5	28.5
87.5°	12.4	12.4	13.3	13.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)