

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: P601501

Luminaire Tested: 22CGSB-60-L950

Issue Date: 1/24/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P601501  
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-60-L950  
Description: 2x2 CGSB AT 6000lm 5000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

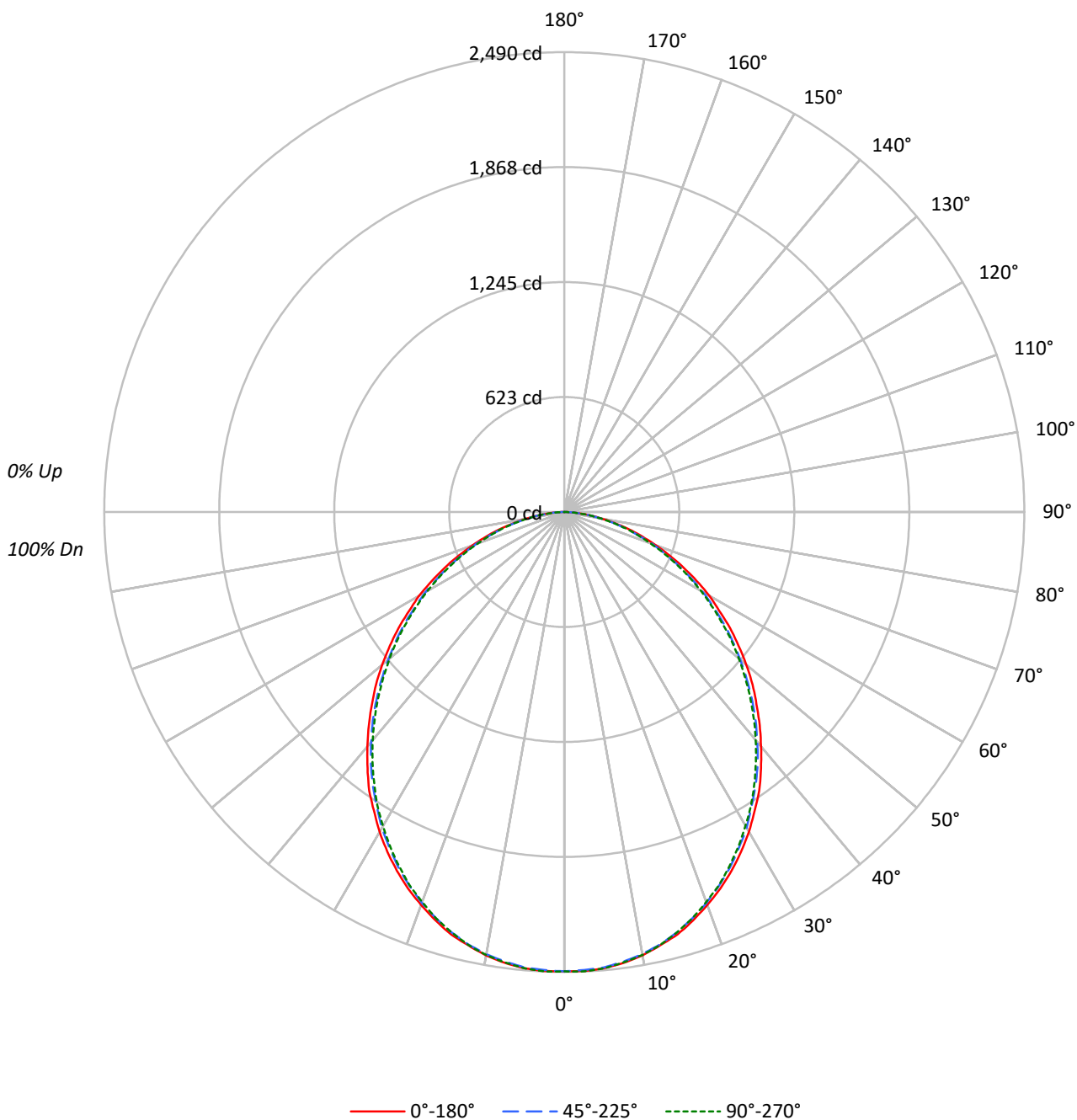
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6215.0 lumens  
Efficiency: N/A  
Efficacy: 116.0 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): 53.6  
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°	6693	6693	6693
5°	6698	6685	6698
10°	6660	6640	6654
15°	6598	6563	6563
20°	6484	6448	6434
25°	6362	6303	6281
30°	6212	6135	6096
35°	6046	5933	5892
40°	5821	5708	5665
45°	5600	5468	5421
50°	5382	5206	5164
55°	5137	4951	4881
60°	4879	4666	4599
65°	4543	4322	4274
70°	4151	3995	3898
75°	3786	3555	3580
80°	3264	3071	3110
85°	2523	2448	2294

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5600 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.9	3.8
10°-20°	664.3	10.7
20°-30°	978.4	15.7
30°-40°	1131.8	18.2
40°-50°	1112.7	17.9
50°-60°	948.2	15.3
60°-70°	679.4	10.9
70°-80°	369.0	5.9
80°-90°	96.3	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°	1877.6	30.2
0°-40°	3009.4	48.4
0°-60°	5070.3	81.6
0°-90°	6215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6215.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2487	2487	2487	2487	2487	
5°	2480	2475	2475	2475	2480	235
15°	2368	2358	2356	2353	2356	667
25°	2143	2133	2123	2118	2116	986
35°	1840	1826	1806	1796	1794	1148
45°	1471	1462	1437	1424	1424	1137
55°	1095	1075	1055	1043	1040	978
65°	713	699	679	671	671	707
75°	364	352	342	337	344	385
85°	82	82	79	77	74	99
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2487.1	2487.1	2487.1	2487.1	2487.1
2.5°	2487.1	2484.6	2482.1	2484.6	2489.6
5°	2479.7	2474.7	2474.7	2474.7	2479.7
7.5°	2462.3	2457.4	2454.9	2457.4	2459.8
10°	2437.5	2432.6	2430.1	2432.6	2435.1
12.5°	2402.9	2400.4	2397.9	2397.9	2400.4
15°	2368.2	2358.3	2355.8	2353.3	2355.8
17.5°	2318.6	2316.2	2306.3	2306.3	2306.3
20°	2264.1	2259.2	2251.8	2246.8	2246.8
22.5°	2207.2	2202.2	2189.8	2184.9	2187.3
25°	2142.8	2132.9	2122.9	2118.0	2115.5
27.5°	2073.4	2063.5	2048.6	2041.2	2041.2
30°	1999.1	1991.7	1974.3	1964.4	1961.9
32.5°	1917.3	1912.4	1887.6	1882.7	1882.7
35°	1840.5	1825.7	1805.9	1796.0	1793.5
37.5°	1748.9	1739.0	1719.2	1706.8	1704.3
40°	1657.2	1644.8	1625.0	1615.1	1612.6
42.5°	1565.6	1553.2	1533.4	1521.0	1518.5
45°	1471.4	1461.5	1436.8	1424.4	1424.4
47.5°	1382.3	1362.4	1340.2	1330.2	1327.8
50°	1285.7	1268.3	1243.5	1233.6	1233.6
52.5°	1189.0	1176.7	1149.4	1144.5	1139.5
55°	1094.9	1075.1	1055.3	1042.9	1040.4
57.5°	993.3	976.0	956.2	946.3	946.3
60°	906.6	884.4	867.0	854.6	854.6
62.5°	807.6	787.7	770.4	763.0	760.5
65°	713.4	698.6	678.7	671.3	671.3
67.5°	619.3	606.9	589.6	582.1	584.6
70°	527.6	520.2	507.8	497.9	495.4
72.5°	443.4	433.5	421.1	418.6	418.6
75°	364.1	351.8	341.9	336.9	344.3
77.5°	282.4	275.0	270.0	267.5	270.0
80°	210.6	200.7	198.2	200.7	200.7
82.5°	146.2	141.2	138.7	138.7	138.7
85°	81.7	81.7	79.3	76.8	74.3
87.5°	32.2	32.2	34.7	34.7	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)