

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: P601443

Luminaire Tested: 22CGSB-25-L935

Issue Date: 1/24/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P601443  
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-L935  
Description: 2x2 CGSB AT 2500lm 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

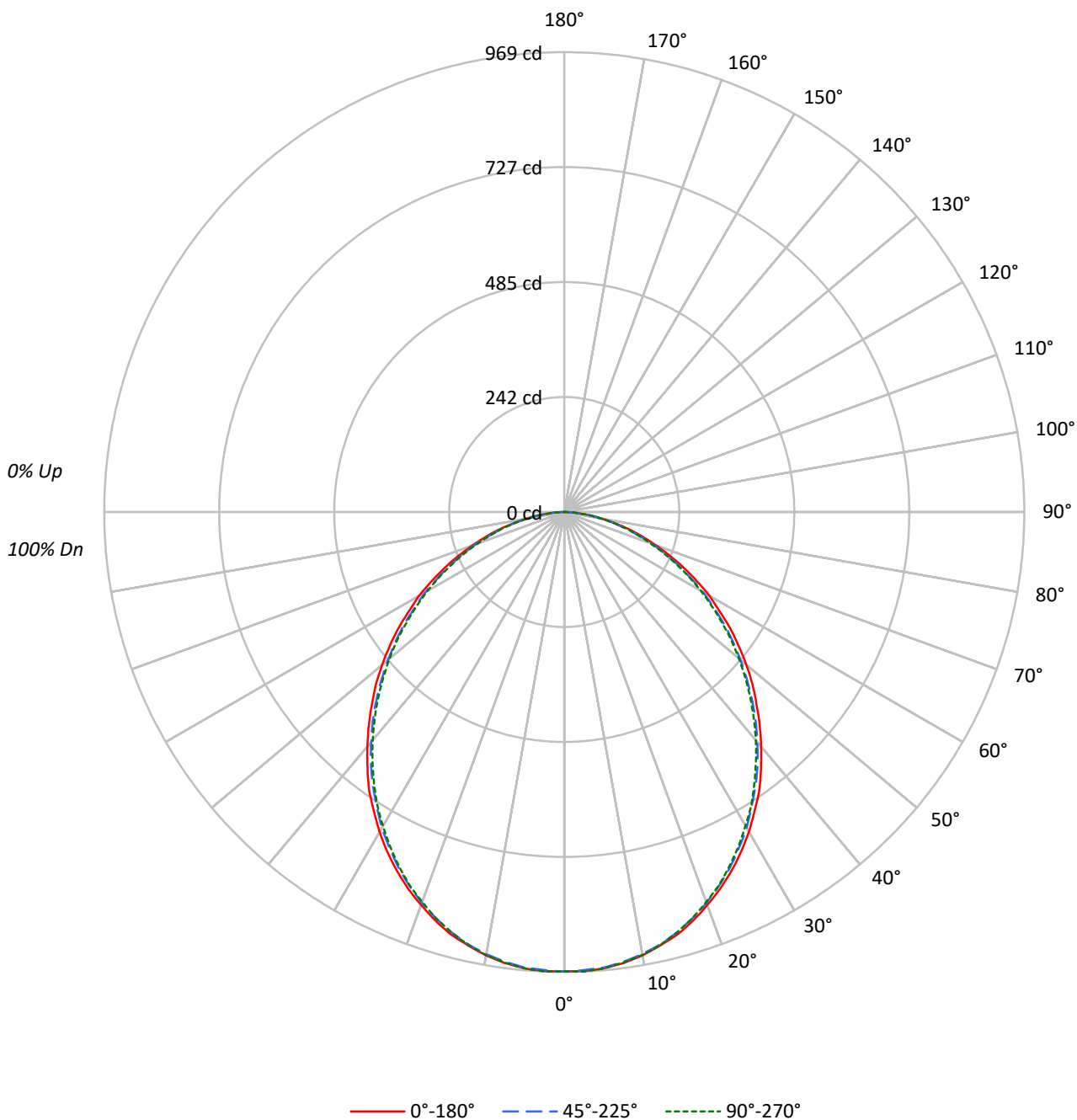
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2419.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	2605	2605	2605
5°	2607	2602	2607
10°	2592	2584	2590
15°	2568	2554	2554
20°	2523	2510	2504
25°	2476	2453	2445
30°	2418	2388	2373
35°	2353	2309	2293
40°	2266	2222	2205
45°	2179	2128	2110
50°	2095	2026	2010
55°	2000	1927	1900
60°	1899	1816	1790
65°	1768	1682	1664
70°	1616	1555	1517
75°	1473	1384	1393
80°	1271	1195	1210
85°	982	954	892

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2179 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.4	3.8
10°-20°	258.5	10.7
20°-30°	380.8	15.7
30°-40°	440.5	18.2
40°-50°	433.1	17.9
50°-60°	369.1	15.3
60°-70°	264.5	10.9
70°-80°	143.6	5.9
80°-90°	37.5	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°	730.8	30.2
0°-40°	1171.3	48.4
0°-60°	1973.5	81.6
0°-90°	2419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	965	963	963	963	965	92
15°	922	918	917	916	917	259
25°	834	830	826	824	823	384
35°	716	711	703	699	698	447
45°	573	569	559	554	554	442
55°	426	418	411	406	405	381
65°	278	272	264	261	261	275
75°	142	137	133	131	134	150
85°	32	32	31	30	29	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	968.0	968.0	968.0	968.0	968.0
2.5°	968.0	967.1	966.1	967.1	969.0
5°	965.1	963.2	963.2	963.2	965.1
7.5°	958.4	956.5	955.5	956.5	957.4
10°	948.7	946.8	945.8	946.8	947.8
12.5°	935.2	934.3	933.3	933.3	934.3
15°	921.7	917.9	916.9	916.0	916.9
17.5°	902.5	901.5	897.6	897.6	897.6
20°	881.2	879.3	876.4	874.5	874.5
22.5°	859.1	857.1	852.3	850.4	851.4
25°	834.0	830.1	826.3	824.4	823.4
27.5°	807.0	803.2	797.4	794.5	794.5
30°	778.1	775.2	768.4	764.6	763.6
32.5°	746.3	744.3	734.7	732.8	732.8
35°	716.4	710.6	702.9	699.0	698.1
37.5°	680.7	676.8	669.1	664.3	663.3
40°	645.0	640.2	632.5	628.6	627.7
42.5°	609.4	604.5	596.8	592.0	591.0
45°	572.7	568.9	559.2	554.4	554.4
47.5°	538.0	530.3	521.6	517.8	516.8
50°	500.4	493.7	484.0	480.2	480.2
52.5°	462.8	458.0	447.4	445.4	443.5
55°	426.2	418.4	410.7	405.9	405.0
57.5°	386.6	379.9	372.2	368.3	368.3
60°	352.9	344.2	337.5	332.6	332.6
62.5°	314.3	306.6	299.9	297.0	296.0
65°	277.7	271.9	264.2	261.3	261.3
67.5°	241.0	236.2	229.5	226.6	227.5
70°	205.4	202.5	197.7	193.8	192.8
72.5°	172.6	168.7	163.9	162.9	162.9
75°	141.7	136.9	133.1	131.1	134.0
77.5°	109.9	107.0	105.1	104.1	105.1
80°	82.0	78.1	77.1	78.1	78.1
82.5°	56.9	55.0	54.0	54.0	54.0
85°	31.8	31.8	30.9	29.9	28.9
87.5°	12.5	12.5	13.5	13.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)