

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: P601445

Luminaire Tested: 22CGSB-25-L950

Issue Date: 1/24/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P601445  
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-L950  
Description: 2x2 CGSB AT 2500lm 5000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

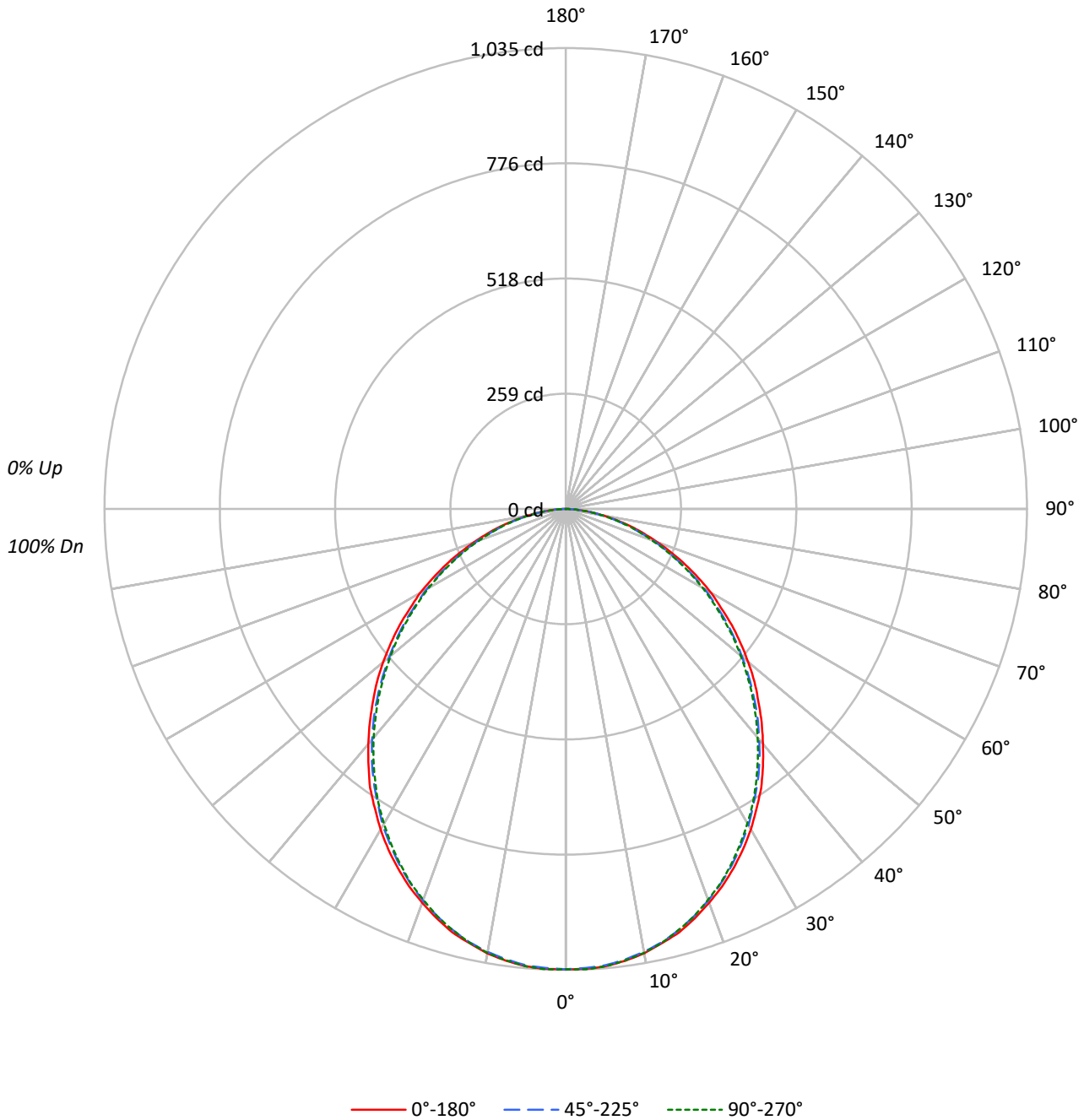
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2583.0 lumens  
Efficiency: N/A  
Efficacy: 126.6 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	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°	2782	2782	2782
5°	2784	2778	2784
10°	2768	2760	2765
15°	2742	2728	2728
20°	2695	2680	2674
25°	2644	2620	2610
30°	2582	2550	2534
35°	2513	2465	2449
40°	2420	2373	2354
45°	2327	2272	2253
50°	2237	2164	2146
55°	2135	2058	2029
60°	2028	1939	1912
65°	1888	1796	1777
70°	1725	1661	1620
75°	1573	1477	1488
80°	1356	1277	1292
85°	1050	1016	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2327 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	3.8
10°-20°	276.1	10.7
20°-30°	406.6	15.7
30°-40°	470.4	18.2
40°-50°	462.4	17.9
50°-60°	394.1	15.3
60°-70°	282.4	10.9
70°-80°	153.4	5.9
80°-90°	40.0	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°	780.3	30.2
0°-40°	1250.7	48.4
0°-60°	2107.2	81.6
0°-90°	2583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2583.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1034	1034	1034	1034	1034	
5°	1031	1028	1028	1028	1031	98
15°	984	980	979	978	979	277
25°	890	886	882	880	879	410
35°	765	759	750	746	745	477
45°	612	607	597	592	592	472
55°	455	447	439	433	432	406
65°	296	290	282	279	279	294
75°	151	146	142	140	143	160
85°	34	34	33	32	31	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1033.7	1033.7	1033.7	1033.7	1033.7
2.5°	1033.7	1032.6	1031.6	1032.6	1034.7
5°	1030.6	1028.5	1028.5	1028.5	1030.6
7.5°	1023.4	1021.3	1020.3	1021.3	1022.3
10°	1013.1	1011.0	1010.0	1011.0	1012.0
12.5°	998.6	997.6	996.6	996.6	997.6
15°	984.2	980.1	979.1	978.1	979.1
17.5°	963.6	962.6	958.5	958.5	958.5
20°	941.0	938.9	935.8	933.8	933.8
22.5°	917.3	915.3	910.1	908.0	909.1
25°	890.5	886.4	882.3	880.3	879.2
27.5°	861.7	857.6	851.4	848.3	848.3
30°	830.8	827.7	820.5	816.4	815.4
32.5°	796.9	794.8	784.5	782.4	782.4
35°	764.9	758.8	750.5	746.4	745.4
37.5°	726.9	722.7	714.5	709.3	708.3
40°	688.8	683.6	675.4	671.3	670.2
42.5°	650.7	645.5	637.3	632.1	631.1
45°	611.5	607.4	597.1	592.0	592.0
47.5°	574.5	566.2	557.0	552.9	551.8
50°	534.3	527.1	516.8	512.7	512.7
52.5°	494.2	489.0	477.7	475.6	473.6
55°	455.1	446.8	438.6	433.4	432.4
57.5°	412.8	405.6	397.4	393.3	393.3
60°	376.8	367.5	360.3	355.2	355.2
62.5°	335.6	327.4	320.2	317.1	316.1
65°	296.5	290.3	282.1	279.0	279.0
67.5°	257.4	252.2	245.0	241.9	243.0
70°	219.3	216.2	211.1	206.9	205.9
72.5°	184.3	180.2	175.0	174.0	174.0
75°	151.3	146.2	142.1	140.0	143.1
77.5°	117.4	114.3	112.2	111.2	112.2
80°	87.5	83.4	82.4	83.4	83.4
82.5°	60.7	58.7	57.7	57.7	57.7
85°	34.0	34.0	32.9	31.9	30.9
87.5°	13.4	13.4	14.4	14.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)