

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P220384

Luminaire Tested: **9002-W1-FL-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED4097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 845.6 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

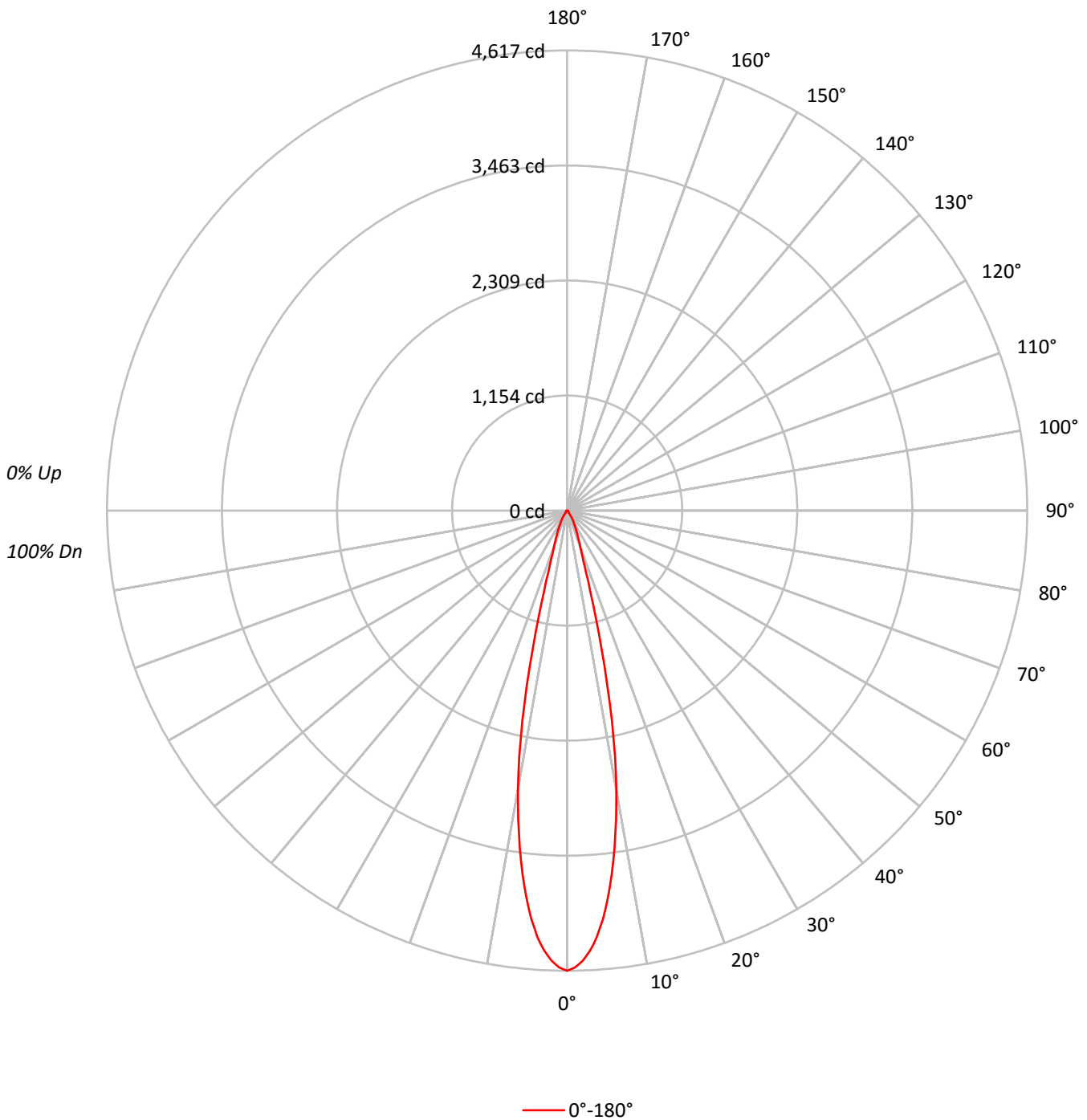
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99	100	98	97	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	92	89	92	90	88	87
5	101	96	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75

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

	0°
0°	2277884
5°	2037368
10°	1422363
15°	561250
20°	201617
25°	113831
30°	65003
35°	35114
40°	13976
45°	9280
50°	6371
55°	5763
60°	5723
65°	6771
70°	7213
75°	8006
80°	4830
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.3	41.5
10°-20°	330.1	39.0
20°-30°	99.7	11.8
30°-40°	36.8	4.4
40°-50°	10.7	1.3
50°-60°	6.3	0.7
60°-70°	5.7	0.7
70°-80°	4.0	0.5
80°-90°	1.1	0.1
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°	781.1	92.4
0°-40°	817.9	96.7
0°-60°	834.9	98.7
0°-90°	845.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4617	
5°	4114	351
15°	1099	330
25°	209	100
35°	58	37
45°	13	11
55°	7	6
65°	6	6
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4616.9
1°	4584.4
2°	4516.9
3°	4419.4
4°	4287.0
5°	4113.7
6°	3907.1
7°	3677.2
8°	3416.4
9°	3137.4
10°	2839.1
11°	2514.2
12°	2159.3
13°	1787.8
14°	1422.9
15°	1098.8
16°	839.7
17°	650.6
18°	525.7
19°	442.4
20°	384.0
22.5°	282.4
25°	209.1
26°	184.9
27°	164.1
28°	145.8
29°	129.1
30°	114.1
32.5°	83.3
35°	58.3
37.5°	32.5
40°	21.7
42.5°	16.7
45°	13.3
47.5°	10.8
50°	8.3
52.5°	7.5
55°	6.7
57.5°	6.7
60°	5.8
62.5°	5.8
65°	5.8
67.5°	5.8
70°	5.0
72.5°	4.2



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	4.2
77.5°	3.3
80°	1.7
82.5°	1.7
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)