

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: P220399

Luminaire Tested: **9002-W1-FL-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220399  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED3597-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 784.5 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

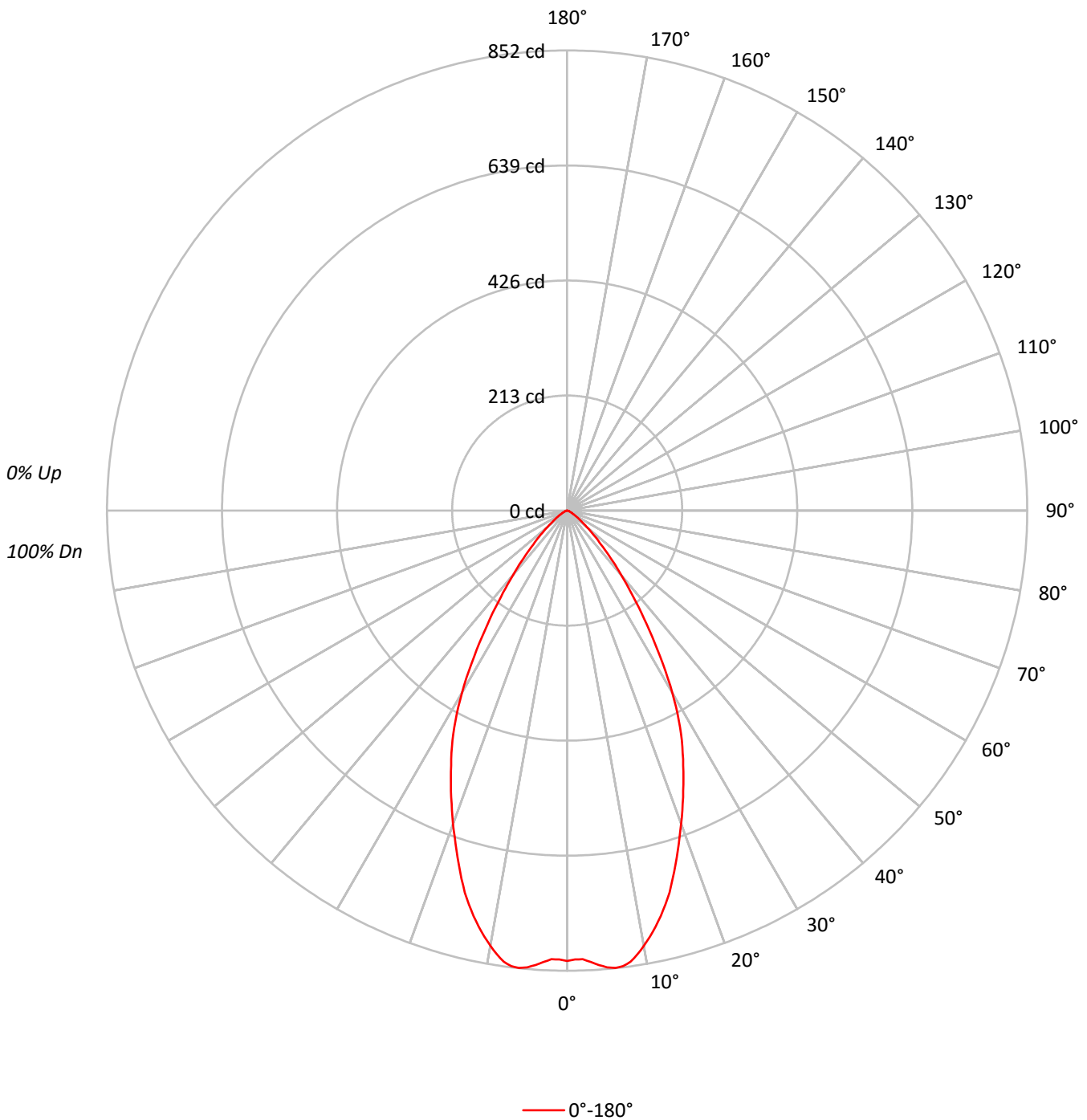
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	61		69	64	60		67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		64	59	56	55
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50		58	53	50		57	53	49	48

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

	0°
0°	411331
5°	420529
10°	409911
15°	373945
20°	324214
25°	276438
30°	222185
35°	154672
40°	100474
45°	61820
50°	37457
55°	22365
60°	13617
65°	9456
70°	5914
75°	4575
80°	4546
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	10.2
10°-20°	202.7	25.8
20°-30°	231.3	29.5
30°-40°	162.2	20.7
40°-50°	71.6	9.1
50°-60°	24.8	3.2
60°-70°	8.2	1.0
70°-80°	2.9	0.4
80°-90°	0.7	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°	514.2	65.5
0°-40°	676.4	86.2
0°-60°	772.7	98.5
0°-90°	784.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	784.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	834	
5°	849	80
15°	732	203
25°	508	231
35°	257	162
45°	89	72
55°	26	25
65°	8	8
75°	2	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	833.7
1°	831.2
2°	831.2
3°	836.9
4°	843.4
5°	849.1
6°	851.5
7°	849.9
8°	843.4
9°	832.0
10°	818.2
11°	803.6
12°	787.3
13°	770.3
14°	751.6
15°	732.1
16°	709.3
17°	685.8
18°	662.2
19°	639.5
20°	617.5
21°	594.8
22°	572.8
23°	550.9
24°	529.0
25°	507.8
26°	486.7
27°	464.8
28°	440.4
29°	415.2
30°	390.0
32.5°	320.1
35°	256.8
37.5°	201.5
40°	156.0
42.5°	118.6
45°	88.6
47.5°	65.8
50°	48.8
52.5°	35.8
55°	26.0
57.5°	18.7
60°	13.8
62.5°	10.6
65°	8.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5.7
70°	4.1
72.5°	3.3
75°	2.4
77.5°	2.4
80°	1.6
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)