

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: P220398

Luminaire Tested: **9002-W1-FL-LED3097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220398  
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-LED3097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 745.9 lumens  
Efficiency: N/A  
Efficacy: 74.6 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

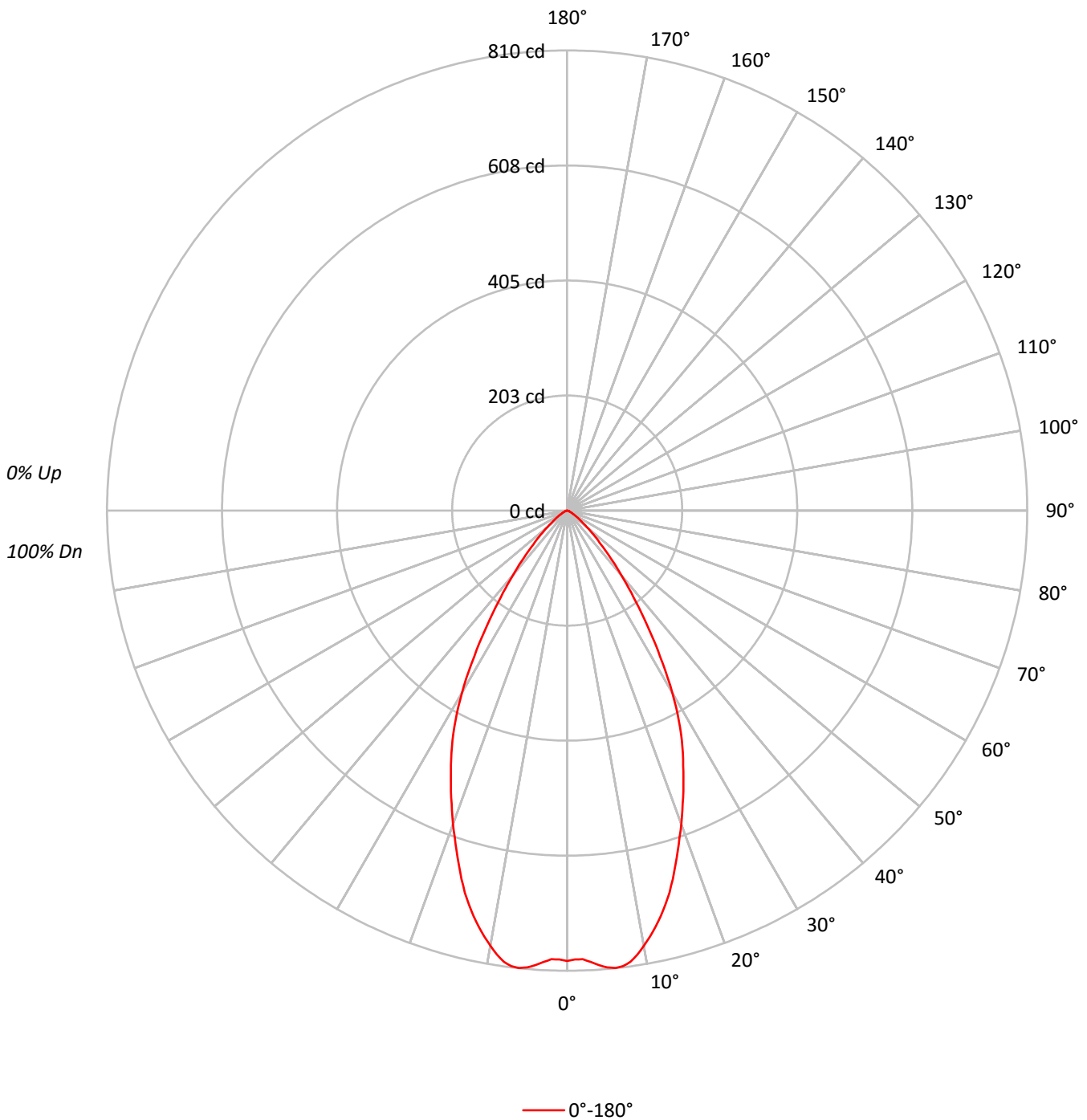
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	391102
5°	399827
10°	389771
15°	355557
20°	308306
25°	262883
30°	211247
35°	147023
40°	95514
45°	58750
50°	35615
55°	21246
60°	12927
65°	8989
70°	5626
75°	4384
80°	4262
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	10.2
10°-20°	192.7	25.8
20°-30°	219.9	29.5
30°-40°	154.3	20.7
40°-50°	68.0	9.1
50°-60°	23.5	3.2
60°-70°	7.8	1.0
70°-80°	2.7	0.4
80°-90°	0.6	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°	488.9	65.5
0°-40°	643.1	86.2
0°-60°	734.7	98.5
0°-90°	745.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	793	
5°	807	76
15°	696	193
25°	483	220
35°	244	154
45°	84	68
55°	25	24
65°	8	8
75°	2	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	792.7
1°	790.3
2°	790.3
3°	795.8
4°	801.9
5°	807.3
6°	809.7
7°	808.1
8°	801.9
9°	791.1
10°	778.0
11°	764.1
12°	748.6
13°	732.4
14°	714.6
15°	696.1
16°	674.5
17°	652.1
18°	629.6
19°	608.0
20°	587.2
21°	565.5
22°	544.7
23°	523.8
24°	502.9
25°	482.9
26°	462.8
27°	441.9
28°	418.7
29°	394.8
30°	370.8
32.5°	304.4
35°	244.1
37.5°	191.6
40°	148.3
42.5°	112.8
45°	84.2
47.5°	62.6
50°	46.4
52.5°	34.0
55°	24.7
57.5°	17.8
60°	13.1
62.5°	10.0
65°	7.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5.4
70°	3.9
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.5
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)