

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: P220394

Luminaire Tested: **9002-W1-FL-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220394  
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-LED3090-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 774.6 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

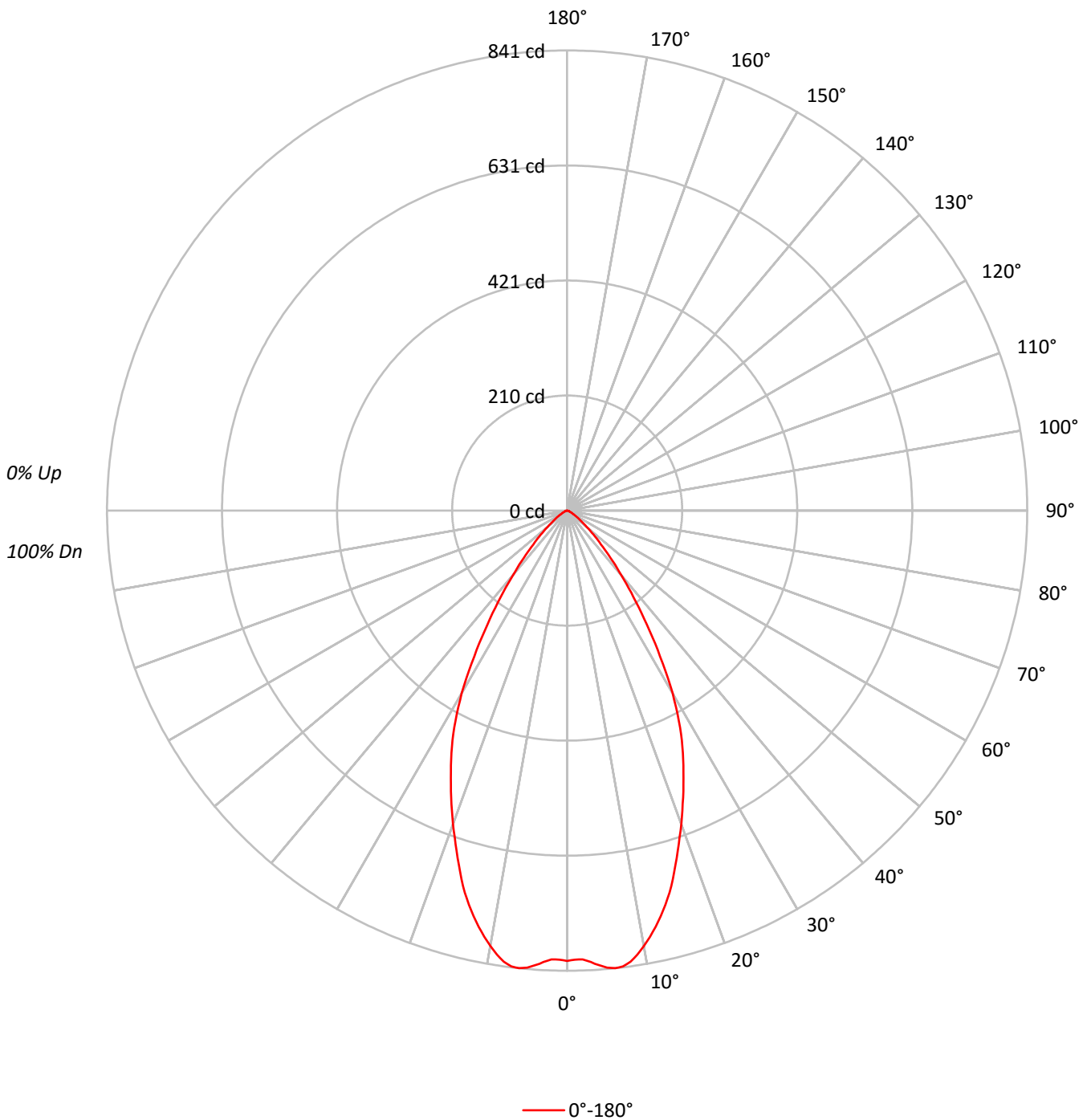
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	406150
5°	415279
10°	404801
15°	369246
20°	320172
25°	273009
30°	219394
35°	152684
40°	99250
45°	61053
50°	36920
55°	22107
60°	13420
65°	9339
70°	5770
75°	4575
80°	4546
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.2	10.2
10°-20°	200.1	25.8
20°-30°	228.4	29.5
30°-40°	160.2	20.7
40°-50°	70.7	9.1
50°-60°	24.5	3.2
60°-70°	8.1	1.0
70°-80°	2.8	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°	507.7	65.5
0°-40°	667.9	86.2
0°-60°	763.0	98.5
0°-90°	774.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	823	
5°	838	79
15°	723	200
25°	502	228
35°	254	160
45°	88	71
55°	26	24
65°	8	8
75°	2	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	823.2
1°	820.8
2°	820.8
3°	826.4
4°	832.9
5°	838.5
6°	840.9
7°	839.3
8°	832.9
9°	821.6
10°	808.0
11°	793.5
12°	777.5
13°	760.6
14°	742.2
15°	722.9
16°	700.5
17°	677.2
18°	653.9
19°	631.5
20°	609.8
21°	587.3
22°	565.7
23°	544.0
24°	522.3
25°	501.5
26°	480.6
27°	459.0
28°	434.9
29°	410.0
30°	385.1
32.5°	316.1
35°	253.5
37.5°	199.0
40°	154.1
42.5°	117.1
45°	87.5
47.5°	65.0
50°	48.1
52.5°	35.3
55°	25.7
57.5°	18.5
60°	13.6
62.5°	10.4
65°	8.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5.6
70°	4.0
72.5°	3.2
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)