

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: P220659

Luminaire Tested: **9003-W1-FL-LED3090-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220659  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W1-FL-LED3090-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 702.5 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

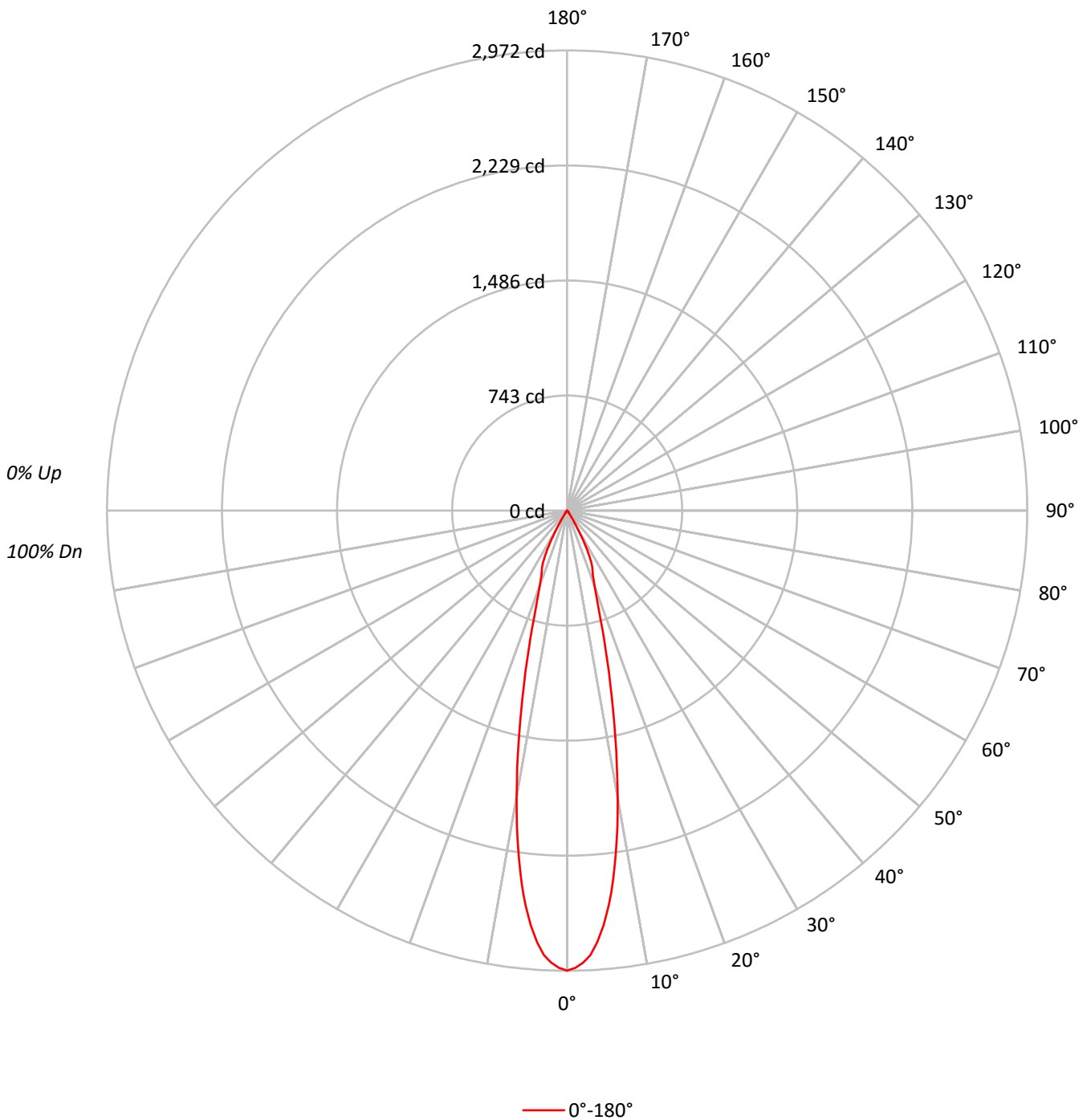
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220659

CATALOG NUMBER: 9003-W1-FL-LED3090-M-BK-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220659

CATALOG NUMBER: 9003-W1-FL-LED3090-M-BK-L1-UNV

**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	112	111	109	107	107	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80		85	82	79		84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77		82	79	77		82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75		80	77	74		79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72		78	74	72		77	74	72	71

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

	0°
0°	651658
5°	592140
10°	418496
15°	226153
20°	120270
25°	88481
30°	35727
35°	6826
40°	3607
45°	1613
50°	1330
55°	1147
60°	965
65°	882
70°	833
75°	763
80°	505
85°	1006



TEST NUMBER: P220659

CATALOG NUMBER: 9003-W1-FL-LED3090-M-BK-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.5	32.8
10°-20°	281.2	40.0
20°-30°	154.8	22.0
30°-40°	25.7	3.7
40°-50°	4.7	0.7
50°-60°	2.7	0.4
60°-70°	1.7	0.2
70°-80°	0.9	0.1
80°-90°	0.3	0.0
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°	666.4	94.9
0°-40°	692.1	98.5
0°-60°	699.6	99.6
0°-90°	702.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2972	
5°	2690	230
15°	996	281
25°	366	155
35°	26	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P220659

CATALOG NUMBER: 9003-W1-FL-LED3090-M-BK-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2971.8
1°	2953.7
2°	2922.9
3°	2874.5
4°	2792.2
5°	2690.1
6°	2566.8
7°	2420.0
8°	2253.0
9°	2069.9
10°	1879.5
11°	1687.4
12°	1498.7
13°	1318.2
14°	1151.6
15°	996.2
16°	862.1
17°	741.3
18°	647.0
19°	571.7
20°	515.4
21°	472.6
22°	441.4
23°	419.4
24°	397.3
25°	365.7
26°	326.3
27°	282.2
28°	234.1
29°	187.0
30°	141.1
32.5°	51.1
35°	25.5
37.5°	18.2
40°	12.6
42.5°	6.5
45°	5.2
47.5°	4.8
50°	3.9
52.5°	3.5
55°	3.0
57.5°	2.6
60°	2.2
62.5°	2.2
65°	1.7



TEST NUMBER: P220659

CATALOG NUMBER: 9003-W1-FL-LED3090-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)