

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: P220671

Luminaire Tested: **9003-W1-FL-LED2797-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220671  
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-LED2797-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1135.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 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

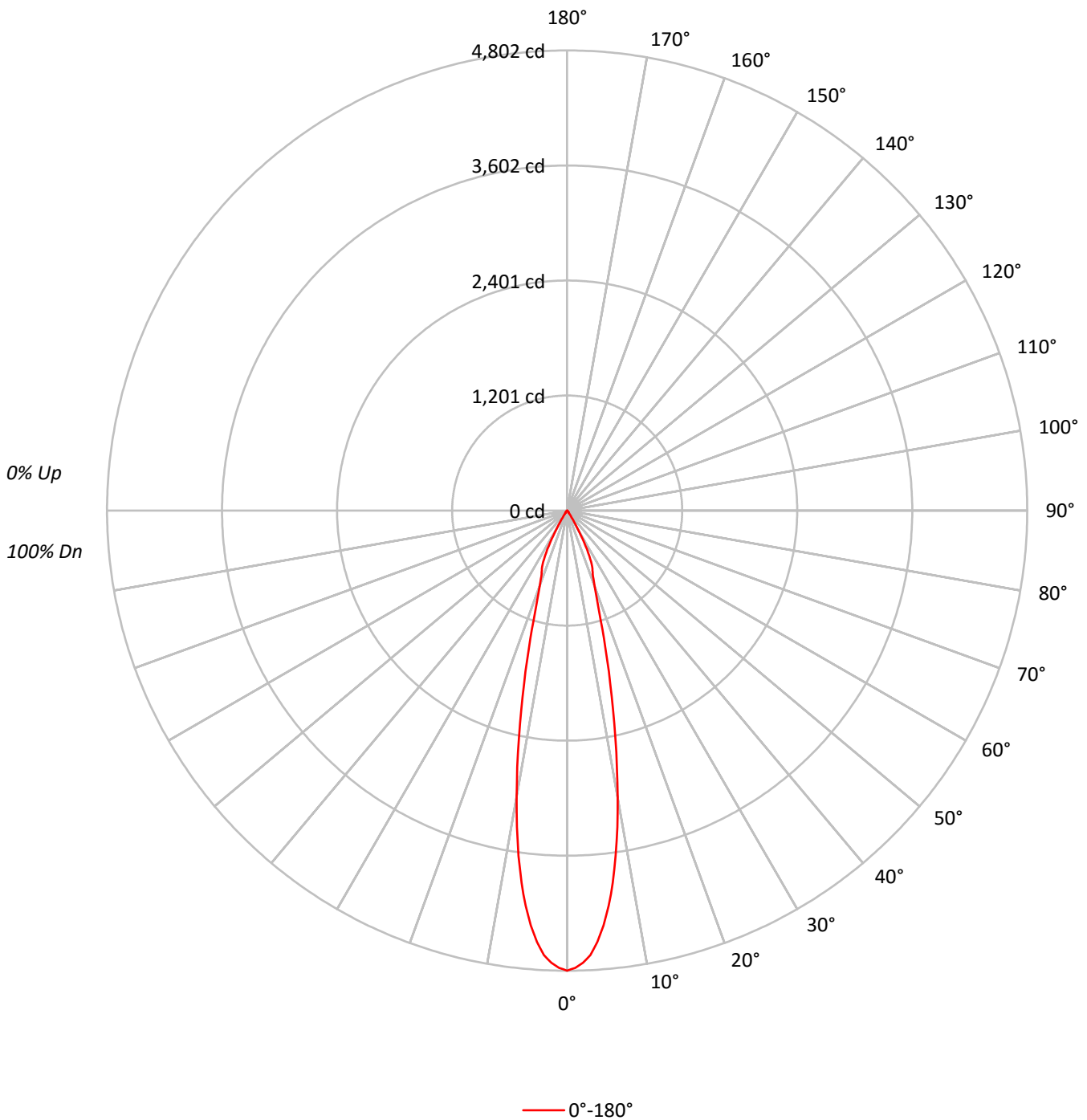
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220671

CATALOG NUMBER: 9003-W1-FL-LED2797-M-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220671

CATALOG NUMBER: 9003-W1-FL-LED2797-M-BK-L2-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°	1052920
5°	956744
10°	676184
15°	365428
20°	194337
25°	142968
30°	57730
35°	11056
40°	5811
45°	2605
50°	2149
55°	1873
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



TEST NUMBER: P220671

CATALOG NUMBER: 9003-W1-FL-LED2797-M-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.4	32.8
10°-20°	454.3	40.0
20°-30°	250.1	22.0
30°-40°	41.5	3.7
40°-50°	7.6	0.7
50°-60°	4.4	0.4
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.5	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°	1076.8	94.9
0°-40°	1118.3	98.5
0°-60°	1130.3	99.6
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4802	
5°	4346	372
15°	1610	454
25°	591	250
35°	41	42
45°	8	8
55°	5	4
65°	3	3
75°	1	1
85°	1	0
90°	0	



TEST NUMBER: P220671

CATALOG NUMBER: 9003-W1-FL-LED2797-M-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4801.7
1°	4772.4
2°	4722.7
3°	4644.4
4°	4511.5
5°	4346.5
6°	4147.2
7°	3910.2
8°	3640.3
9°	3344.5
10°	3036.8
11°	2726.4
12°	2421.5
13°	2129.9
14°	1860.7
15°	1609.7
16°	1392.9
17°	1197.8
18°	1045.4
19°	923.7
20°	832.8
21°	763.6
22°	713.2
23°	677.6
24°	641.9
25°	590.9
26°	527.2
27°	455.9
28°	378.3
29°	302.1
30°	228.0
32.5°	82.5
35°	41.3
37.5°	29.4
40°	20.3
42.5°	10.5
45°	8.4
47.5°	7.7
50°	6.3
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	3.5
65°	2.8



TEST NUMBER: P220671

CATALOG NUMBER: 9003-W1-FL-LED2797-M-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)