

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: P220431

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)  
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-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 769.3 lumens  
Efficiency: N/A  
Efficacy: 76.9 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

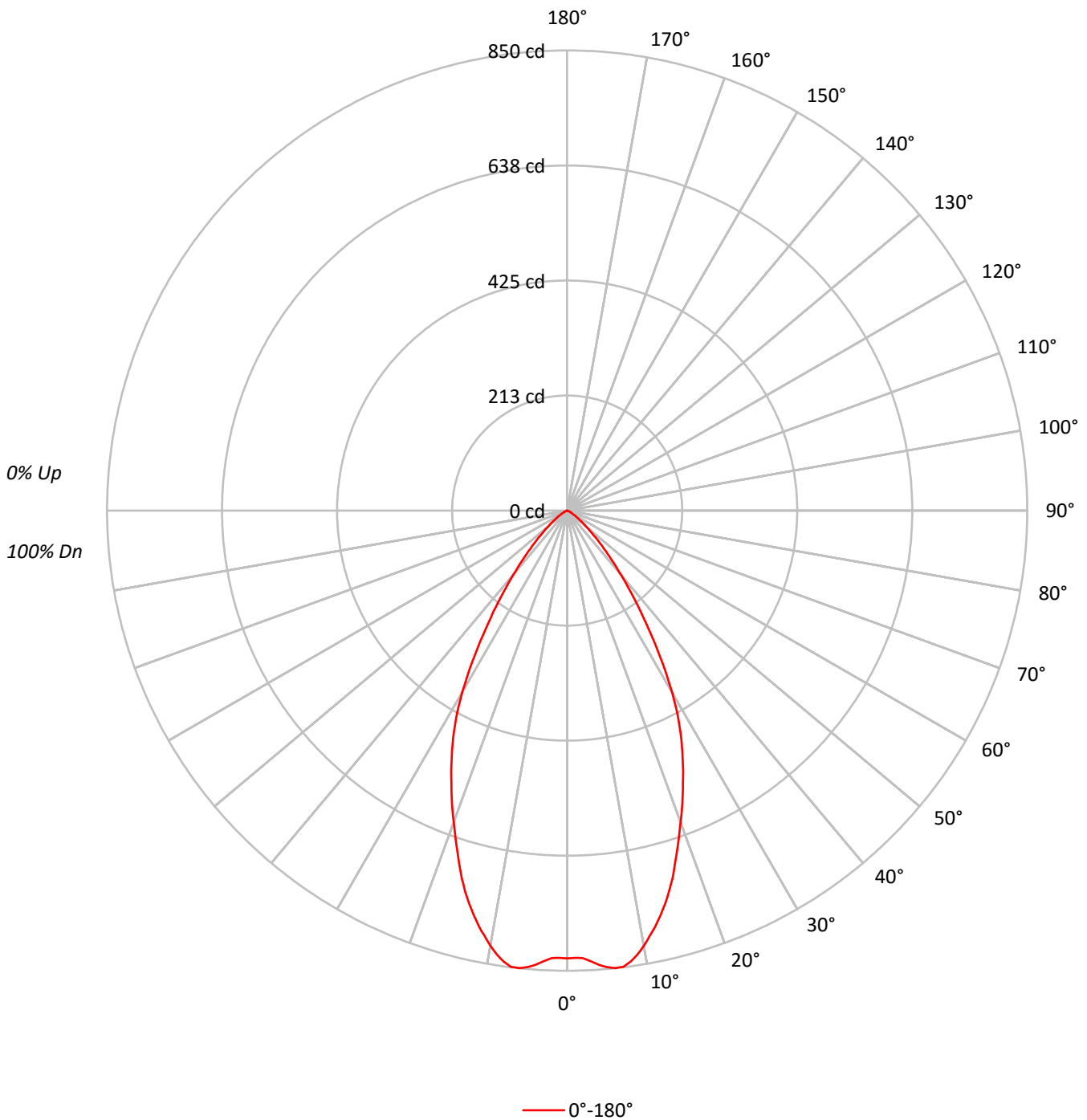
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		86	84	81	80
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72	68	65	63
7	82	72	66	62	81	72	66	62	70	65	61		69	64	61		68	64	61	59
8	78	68	62	58	77	67	62	57	66	61	57		65	60	57		64	60	57	55
9	74	64	58	54	73	64	58	54	63	57	54		62	57	53		61	56	53	52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58	53	50	49

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

	0°
0°	408124
5°	419340
10°	409109
15°	371851
20°	321642
25°	274696
30°	220818
35°	153166
40°	98928
45°	60076
50°	34924
55°	19612
60°	10460
65°	5720
70°	2308
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	10.4
10°-20°	201.6	26.2
20°-30°	230.0	29.9
30°-40°	161.0	20.9
40°-50°	69.4	9.0
50°-60°	21.9	2.8
60°-70°	5.1	0.7
70°-80°	0.4	0.1
80°-90°	0.0	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°	511.6	66.5
0°-40°	672.6	87.4
0°-60°	763.8	99.3
0°-90°	769.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	827	
5°	847	80
15°	728	202
25°	505	230
35°	254	161
45°	86	69
55°	23	22
65°	5	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	827.2
1°	826.3
2°	827.2
3°	833.7
4°	841.0
5°	846.7
6°	849.9
7°	849.1
8°	841.8
9°	830.4
10°	816.6
11°	800.3
12°	784.9
13°	767.0
14°	748.3
15°	728.0
16°	706.1
17°	681.7
18°	658.1
19°	635.4
20°	612.6
21°	591.5
22°	569.6
23°	547.6
24°	526.5
25°	504.6
26°	483.5
27°	461.5
28°	438.0
29°	413.6
30°	387.6
32.5°	318.5
35°	254.3
37.5°	199.9
40°	153.6
42.5°	116.2
45°	86.1
47.5°	62.6
50°	45.5
52.5°	32.5
55°	22.8
57.5°	15.4
60°	10.6
62.5°	7.3
65°	4.9



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)