

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: P220336

Luminaire Tested: **9002-W1-[RW, RI]-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-[RW, RI]-LED4097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 806.4 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

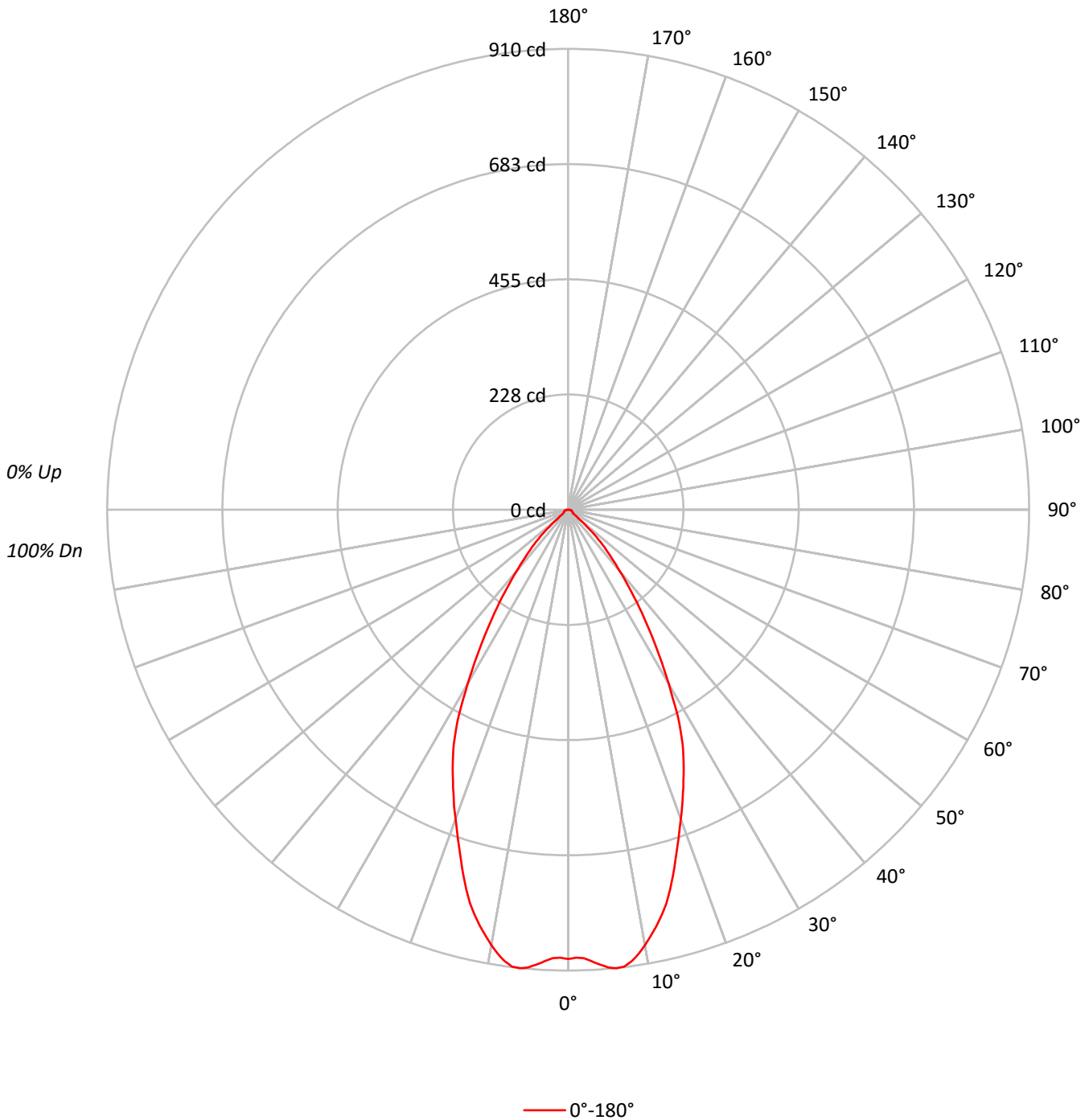
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
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	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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

	0°
0°	437726
5°	449304
10°	437415
15°	396981
20°	341173
25°	292988
30°	225888
35°	157563
40°	101955
45°	62797
50°	19803
55°	10064
60°	9868
65°	10740
70°	10819
75°	12772
80°	11933
85°	14152



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	10.6
10°-20°	214.8	26.6
20°-30°	243.1	30.1
30°-40°	165.1	20.5
40°-50°	68.2	8.5
50°-60°	11.8	1.5
60°-70°	8.8	1.1
70°-80°	6.6	0.8
80°-90°	2.4	0.3
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°	543.6	67.4
0°-40°	708.7	87.9
0°-60°	788.6	97.8
0°-90°	806.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	887	
5°	907	86
15°	777	215
25°	538	243
35°	262	165
45°	90	68
55°	12	12
65°	9	9
75°	7	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	887.2
1°	884.7
2°	886.4
3°	893.0
4°	900.5
5°	907.2
6°	910.5
7°	908.9
8°	900.5
9°	888.0
10°	873.1
11°	856.4
12°	839.7
13°	821.4
14°	801.4
15°	777.2
16°	750.6
17°	723.9
18°	698.1
19°	673.1
20°	649.8
21°	628.1
22°	604.8
23°	582.3
24°	560.7
25°	538.2
26°	514.8
27°	489.0
28°	460.7
29°	426.5
30°	396.5
32.5°	324.9
35°	261.6
37.5°	205.8
40°	158.3
42.5°	121.6
45°	90.0
47.5°	55.8
50°	25.8
52.5°	12.5
55°	11.7
57.5°	10.8
60°	10.0
62.5°	9.2
65°	9.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	8.3
70°	7.5
72.5°	6.7
75°	6.7
77.5°	5.8
80°	4.2
82.5°	3.3
85°	2.5
87.5°	0.8
90°	0.0

(END OF REPORT)