

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: P220366

Luminaire Tested: **9002-W1-[RW, RI]-LED3097-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)  
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]-LED3097-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 698.6 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

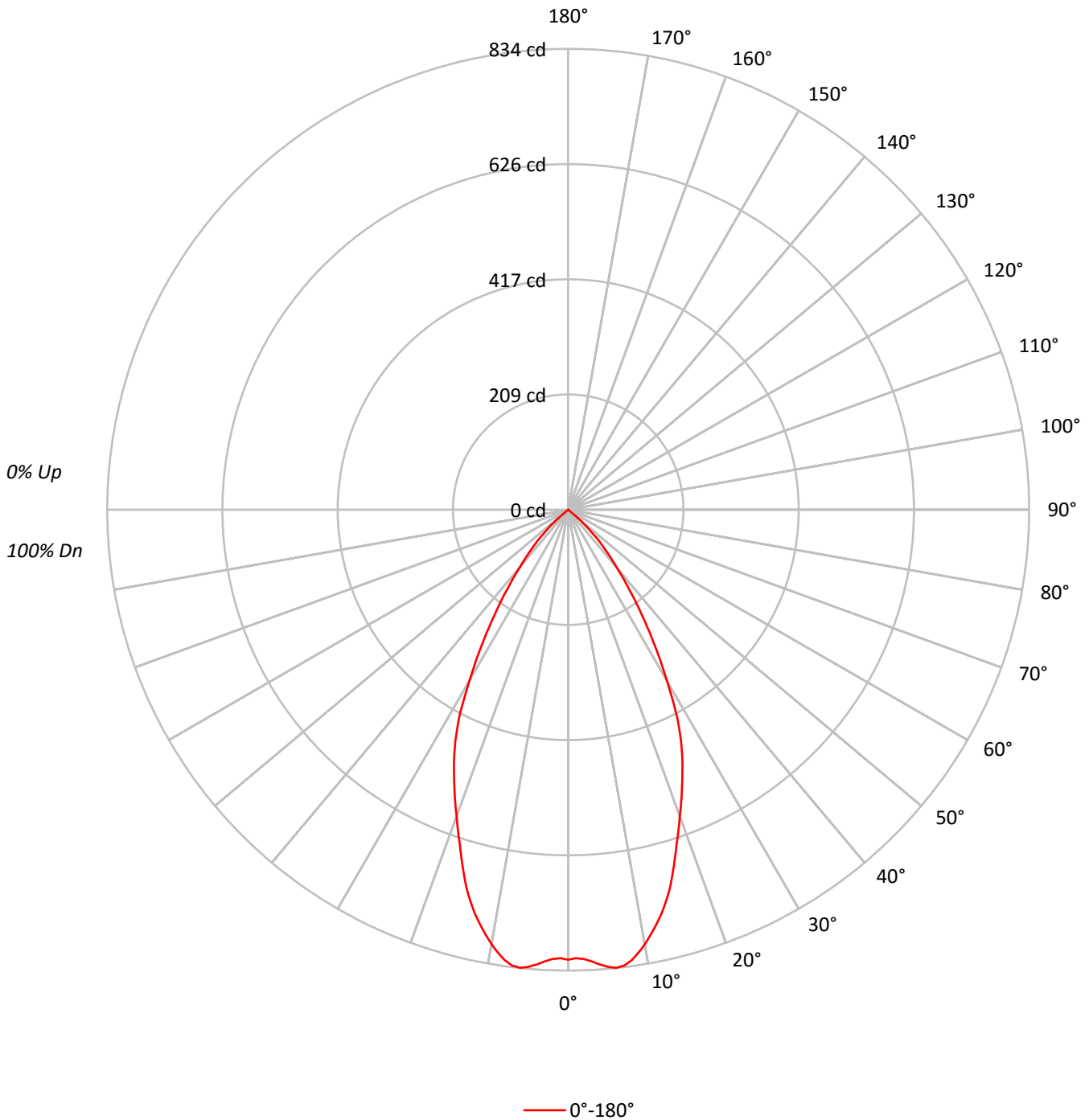
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	73	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

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

	0°
0°	401759
5°	411317
10°	400191
15°	362657
20°	309933
25°	265387
30°	203328
35°	139614
40°	88043
45°	51214
50°	10669
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	11.2
10°-20°	196.0	28.1
20°-30°	220.1	31.5
30°-40°	146.5	21.0
40°-50°	55.5	7.9
50°-60°	2.2	0.3
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	494.5	70.8
0°-40°	641.0	91.7
0°-60°	698.6	100.0
0°-90°	698.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	814	
5°	830	78
15°	710	196
25°	488	220
35°	232	146
45°	73	55
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	814.3
1°	812.0
2°	813.5
3°	818.9
4°	825.1
5°	830.5
6°	833.6
7°	831.3
8°	823.6
9°	812.0
10°	798.8
11°	783.4
12°	767.2
13°	750.2
14°	730.9
15°	710.0
16°	685.3
17°	659.8
18°	635.1
19°	612.7
20°	590.3
21°	570.2
22°	549.3
23°	528.4
24°	508.4
25°	487.5
26°	465.9
27°	441.9
28°	415.6
29°	385.5
30°	356.9
32.5°	291.3
35°	231.8
37.5°	180.0
40°	136.7
42.5°	102.8
45°	73.4
47.5°	41.7
50°	13.9
52.5°	1.5
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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)