

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: P220795

Luminaire Tested: **9004-W1-[RW, RI]-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-[RW, RI]-LED4097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 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: 861.1 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

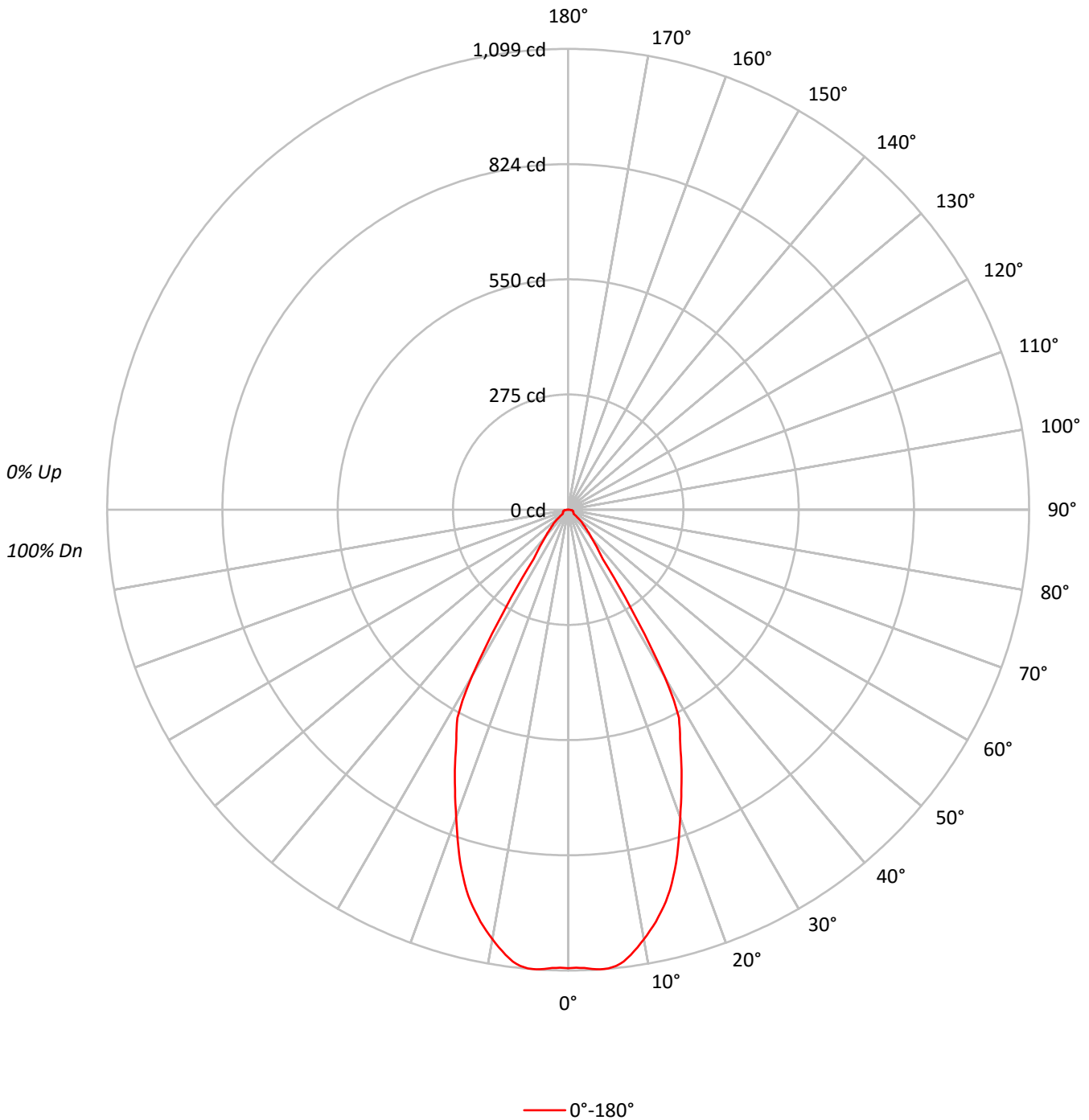
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

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

	0°
0°	134878
5°	135963
10°	130271
15°	119869
20°	102463
25°	86258
30°	65203
35°	21668
40°	13767
45°	9367
50°	5469
55°	3269
60°	3602
65°	3969
70°	4544
75°	5528
80°	6606
85°	6510



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.9	12.0
10°-20°	258.9	30.1
20°-30°	290.0	33.7
30°-40°	121.3	14.1
40°-50°	42.1	4.9
50°-60°	15.3	1.8
60°-70°	13.5	1.6
70°-80°	12.0	1.4
80°-90°	5.0	0.6
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°	651.8	75.7
0°-40°	773.1	89.8
0°-60°	830.5	96.5
0°-90°	861.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1094	
5°	1098	103
15°	939	259
25°	634	290
35°	144	121
45°	54	42
55°	15	15
65°	14	13
75°	12	12
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1093.5
1°	1092.5
2°	1093.5
3°	1096.8
4°	1098.8
5°	1098.1
6°	1094.2
7°	1085.5
8°	1072.0
9°	1056.7
10°	1040.1
11°	1022.6
12°	1004.7
13°	984.5
14°	962.9
15°	938.7
16°	909.9
17°	879.7
18°	847.2
19°	813.4
20°	780.6
21°	750.1
22°	720.6
23°	691.4
24°	662.9
25°	633.8
26°	608.2
27°	585.7
28°	562.5
29°	520.1
30°	457.8
32.5°	274.5
35°	143.9
37.5°	110.0
40°	85.5
42.5°	66.6
45°	53.7
47.5°	43.1
50°	28.5
52.5°	16.9
55°	15.2
57.5°	14.9
60°	14.6
62.5°	14.3
65°	13.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	12.9
70°	12.6
72.5°	12.3
75°	11.6
77.5°	10.6
80°	9.3
82.5°	7.3
85°	4.6
87.5°	2.0
90°	0.0

(END OF REPORT)