

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: P220864

Luminaire Tested: **9004-W1-[RW, RI]-LED4097-M-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220864  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29492)  
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-M-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1962.4 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

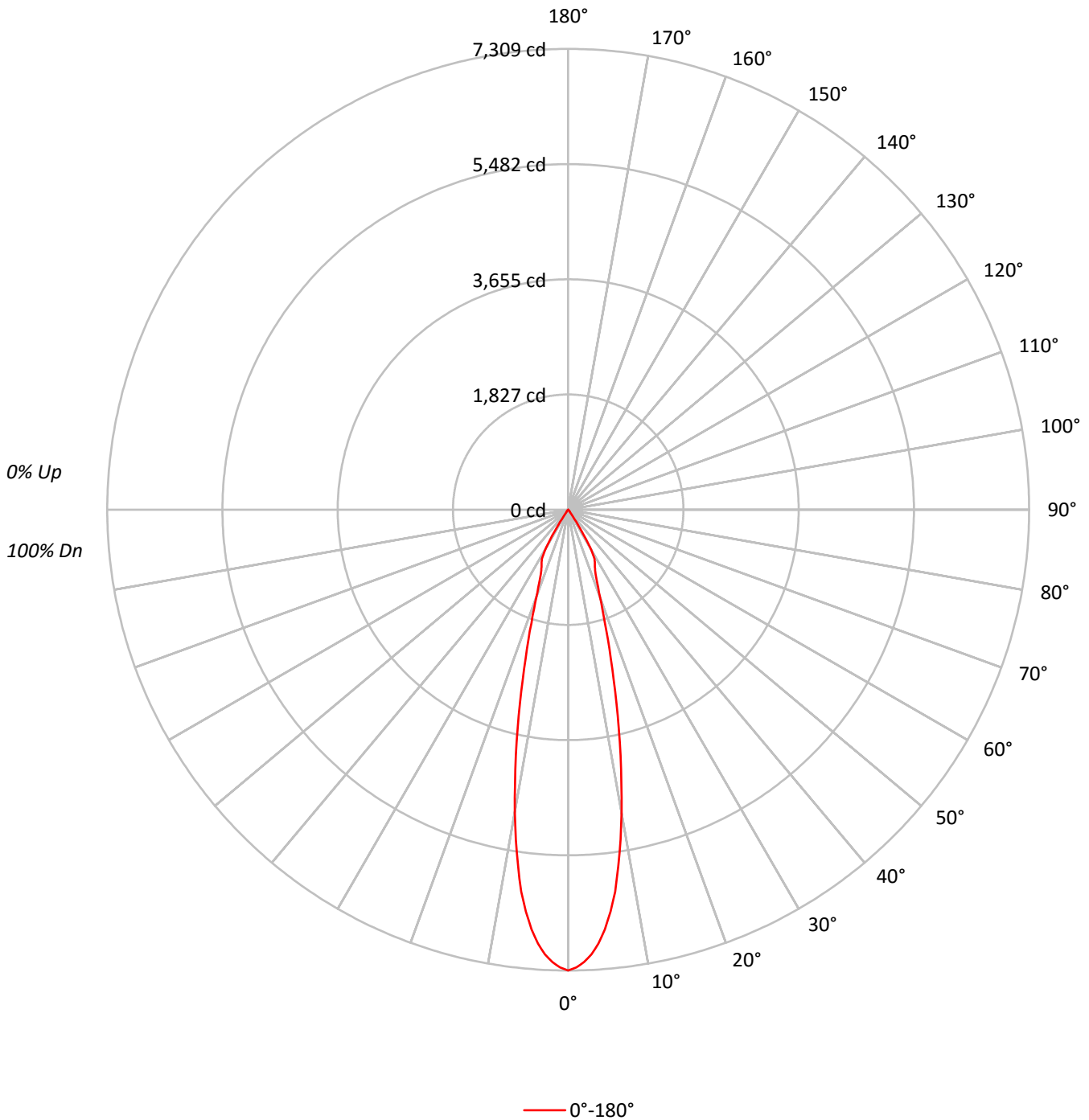
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	78	76	82	78	75	81	77	75	80	77	75	74
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	73	70	75	72	70	69

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

	0°
0°	901533
5°	827121
10°	610260
15°	356197
20°	193165
25°	136505
30°	98930
35°	12302
40°	4219
45°	1657
50°	1075
55°	860
60°	592
65°	467
70°	289
75°	381
80°	568
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.2	29.5
10°-20°	776.8	39.6
20°-30°	471.2	24.0
30°-40°	120.6	6.1
40°-50°	8.6	0.4
50°-60°	3.6	0.2
60°-70°	1.6	0.1
70°-80°	0.8	0.0
80°-90°	0.1	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°	1827.2	93.1
0°-40°	1947.7	99.3
0°-60°	1959.9	99.9
0°-90°	1962.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1962.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7309	
5°	6680	579
15°	2789	777
25°	1003	471
35°	82	121
45°	10	9
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7309.0
1°	7262.2
2°	7179.0
3°	7060.0
4°	6897.5
5°	6680.2
6°	6409.0
7°	6103.8
8°	5713.7
9°	5297.4
10°	4872.4
11°	4425.2
12°	3985.9
13°	3565.7
14°	3162.1
15°	2789.4
16°	2456.4
17°	2155.9
18°	1887.9
19°	1661.9
20°	1471.6
21°	1321.8
22°	1202.8
23°	1114.8
24°	1052.2
25°	1003.0
26°	963.4
27°	929.3
28°	888.8
29°	815.1
30°	694.6
32.5°	330.6
35°	81.7
37.5°	44.4
40°	26.2
42.5°	11.9
45°	9.5
47.5°	7.9
50°	5.6
52.5°	4.8
55°	4.0
57.5°	3.2
60°	2.4
62.5°	2.4
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)