

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: P220767

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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]-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 796.3 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

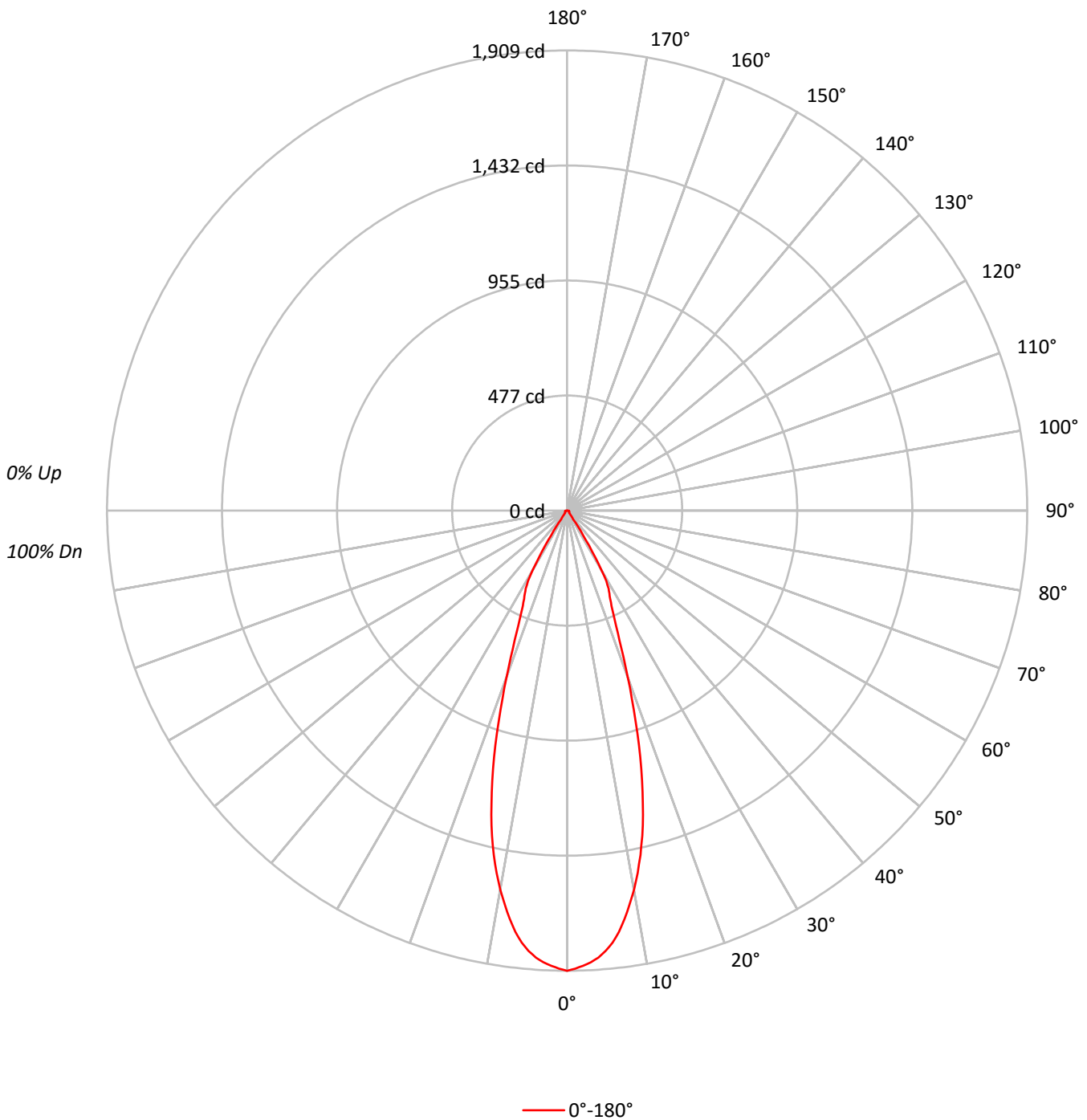
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	235516
5°	227092
10°	199972
15°	154411
20°	96399
25°	59352
30°	40677
35°	6400
40°	2898
45°	1954
50°	2034
55°	2215
60°	2467
65°	2743
70°	3210
75°	3956
80°	4617
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	21.0
10°-20°	324.7	40.8
20°-30°	210.3	26.4
30°-40°	54.1	6.8
40°-50°	9.2	1.2
50°-60°	9.3	1.2
60°-70°	9.3	1.2
70°-80°	8.5	1.1
80°-90°	3.5	0.4
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°	702.4	88.2
0°-40°	756.5	95.0
0°-60°	775.0	97.3
0°-90°	796.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1909	
5°	1834	167
15°	1209	325
25°	436	210
35°	42	54
45°	11	9
55°	10	9
65°	9	9
75°	8	8
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1909.4
1°	1900.8
2°	1889.6
3°	1876.3
4°	1859.2
5°	1834.1
6°	1802.3
7°	1760.7
8°	1710.8
9°	1655.3
10°	1596.6
11°	1532.3
12°	1461.5
13°	1384.8
14°	1300.7
15°	1209.2
16°	1114.8
17°	1017.7
18°	920.3
19°	824.4
20°	734.4
21°	652.1
22°	580.4
23°	519.9
24°	472.4
25°	436.1
26°	407.5
27°	385.4
28°	366.8
29°	334.3
30°	285.6
32.5°	142.8
35°	42.5
37.5°	27.1
40°	18.0
42.5°	11.5
45°	11.2
47.5°	10.9
50°	10.6
52.5°	10.6
55°	10.3
57.5°	10.3
60°	10.0
62.5°	9.7
65°	9.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.1
70°	8.9
72.5°	8.6
75°	8.3
77.5°	7.4
80°	6.5
82.5°	5.0
85°	3.2
87.5°	1.5
90°	0.0

(END OF REPORT)