

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: P220763

Luminaire Tested: **9004-W1-[RW, RI]-LED3590-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220763
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]-LED3590-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 912.0 lumens
Efficiency: N/A
Efficacy: 93.1 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

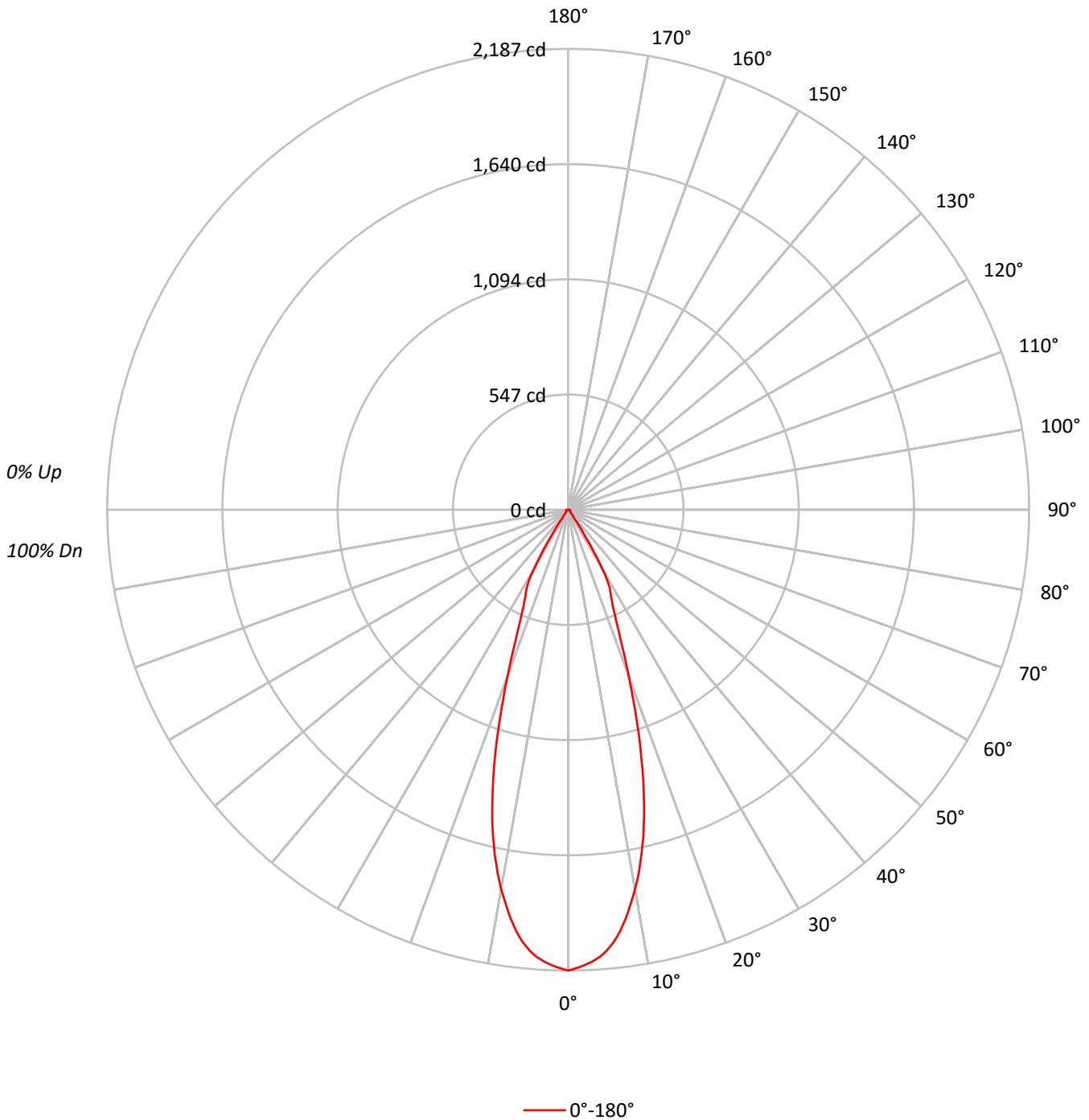
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	269708
5°	260077
10°	229017
15°	176835
20°	110404
25°	67967
30°	46588
35°	7333
40°	3317
45°	2233
50°	2341
55°	2538
60°	2837
65°	3152
70°	3642
75°	4527
80°	5256
85°	5236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	21.0
10°-20°	371.8	40.8
20°-30°	240.8	26.4
30°-40°	62.0	6.8
40°-50°	10.6	1.2
50°-60°	10.7	1.2
60°-70°	10.7	1.2
70°-80°	9.6	1.1
80°-90°	4.0	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
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0°-30°	804.4	88.2
0°-40°	866.4	95.0
0°-60°	887.6	97.3
0°-90°	912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	912.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2187	
5°	2100	192
15°	1385	372
25°	499	241
35°	49	62
45°	13	11
55°	12	11
65°	11	11
75°	10	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2186.6
1°	2176.8
2°	2164.0
3°	2148.8
4°	2129.2
5°	2100.5
6°	2064.0
7°	2016.3
8°	1959.2
9°	1895.7
10°	1828.5
11°	1754.8
12°	1673.7
13°	1585.8
14°	1489.5
15°	1384.8
16°	1276.6
17°	1165.5
18°	1054.0
19°	944.1
20°	841.1
21°	746.8
22°	664.7
23°	595.4
24°	541.0
25°	499.4
26°	466.7
27°	441.3
28°	420.0
29°	382.9
30°	327.1
32.5°	163.6
35°	48.7
37.5°	31.1
40°	20.6
42.5°	13.2
45°	12.8
47.5°	12.5
50°	12.2
52.5°	12.2
55°	11.8
57.5°	11.8
60°	11.5
62.5°	11.2
65°	10.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.5
70°	10.1
72.5°	9.8
75°	9.5
77.5°	8.4
80°	7.4
82.5°	5.7
85°	3.7
87.5°	1.7
90°	0.0

(END OF REPORT)