

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: P221000

Luminaire Tested: **9004-W1-FL-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED4080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1166.4 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

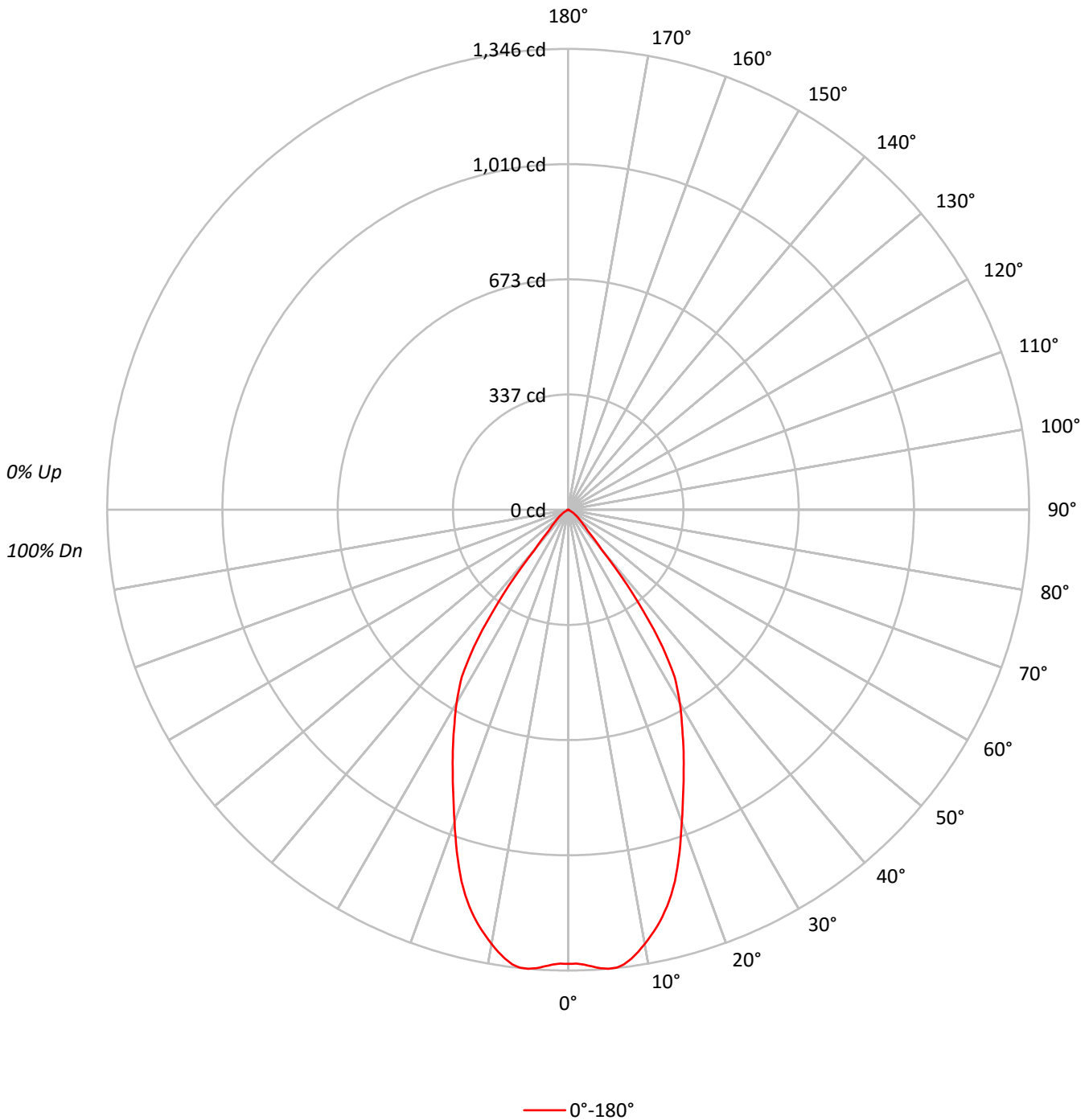
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56	63	59	55	63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52	60	55	52	59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163606
5°	166670
10°	161370
15°	148614
20°	127363
25°	108605
30°	92877
35°	69431
40°	24635
45°	11530
50°	7618
55°	5118
60°	2590
65°	613
70°	469
75°	381
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	10.9
10°-20°	321.2	27.5
20°-30°	366.7	31.4
30°-40°	269.2	23.1
40°-50°	57.1	4.9
50°-60°	21.6	1.9
60°-70°	3.1	0.3
70°-80°	0.8	0.1
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°	814.6	69.8
0°-40°	1083.8	92.9
0°-60°	1162.5	99.7
0°-90°	1166.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1326	
5°	1346	127
15°	1164	321
25°	798	367
35°	461	269
45°	66	57
55°	24	22
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1326.4
1°	1326.0
2°	1329.4
3°	1336.1
4°	1342.3
5°	1346.1
6°	1345.3
7°	1338.1
8°	1324.3
9°	1307.2
10°	1288.4
11°	1267.1
12°	1245.3
13°	1220.7
14°	1193.9
15°	1163.8
16°	1129.5
17°	1091.5
18°	1052.2
19°	1010.8
20°	970.3
21°	932.6
22°	896.3
23°	862.0
24°	829.4
25°	798.0
26°	767.5
27°	736.6
28°	706.9
29°	679.3
30°	652.1
32.5°	579.0
35°	461.1
37.5°	311.4
40°	153.0
42.5°	86.1
45°	66.1
47.5°	51.8
50°	39.7
52.5°	31.4
55°	23.8
57.5°	17.1
60°	10.5
62.5°	2.9
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.3
72.5°	1.3
75°	0.8
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)