

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: P220903

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220903  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29494)  
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]-LED4080-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1842.5 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

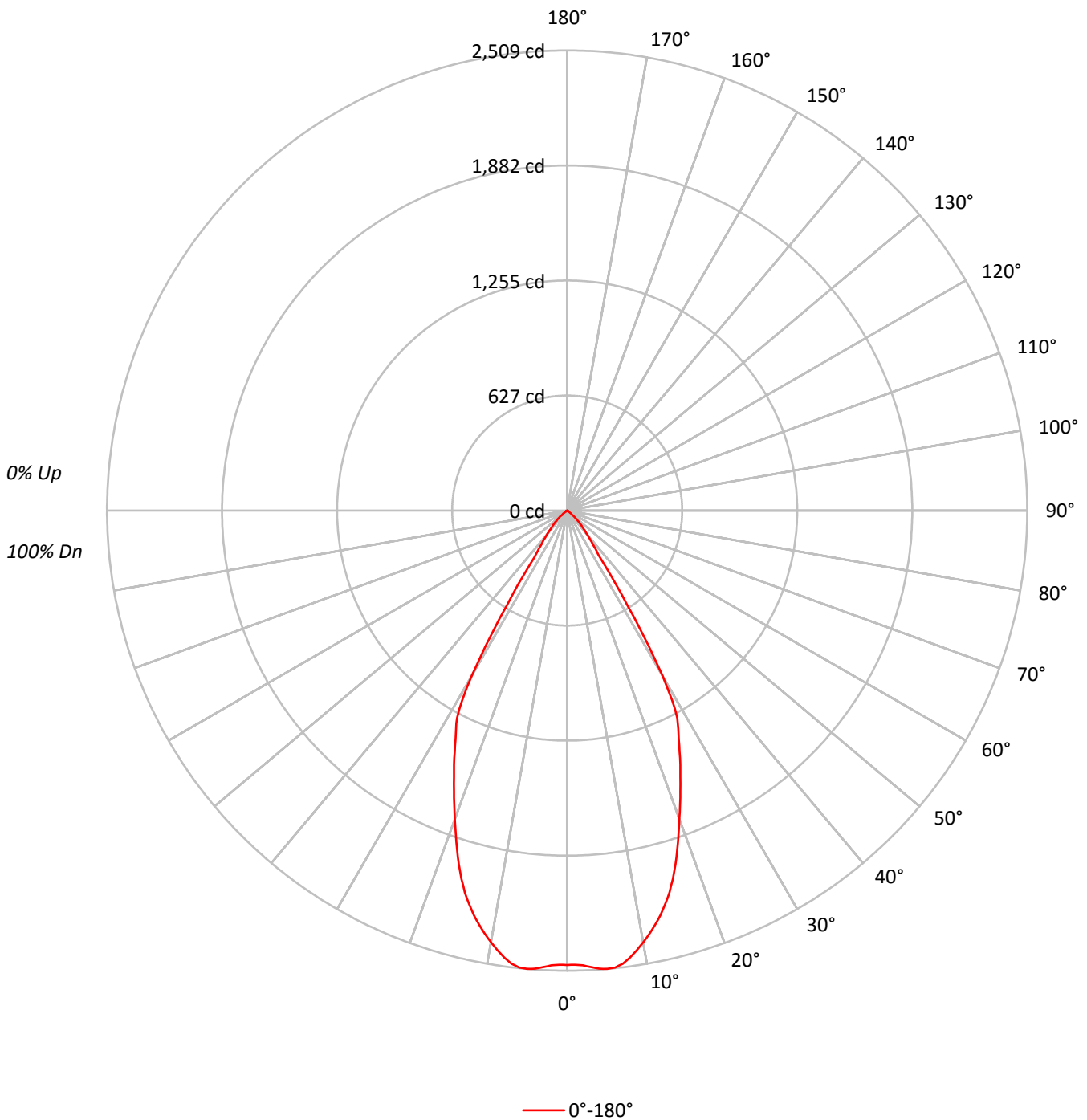
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220903

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-W-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220903

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-W-BK-L2-UNV

**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	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

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

	0°
0°	305613
5°	310607
10°	299406
15°	275199
20°	234958
25°	197381
30°	147754
35°	46378
40°	27469
45°	16694
50°	6966
55°	1161
60°	765
65°	438
70°	289
75°	381
80°	0
85°	0



TEST NUMBER: P220903

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-W-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.7	12.8
10°-20°	594.4	32.3
20°-30°	662.0	35.9
30°-40°	264.2	14.3
40°-50°	75.5	4.1
50°-60°	8.4	0.5
60°-70°	1.6	0.1
70°-80°	0.7	0.0
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°	1492.1	81.0
0°-40°	1756.3	95.3
0°-60°	1840.1	99.9
0°-90°	1842.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2478	
5°	2509	236
15°	2155	594
25°	1450	662
35°	308	264
45°	96	75
55°	5	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P220903

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-W-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2477.7
1°	2476.9
2°	2481.6
3°	2493.2
4°	2504.0
5°	2508.6
6°	2505.5
7°	2489.3
8°	2461.5
9°	2427.5
10°	2390.5
11°	2350.4
12°	2308.7
13°	2262.4
14°	2211.4
15°	2155.1
16°	2089.5
17°	2019.2
18°	1942.8
19°	1864.8
20°	1790.0
21°	1717.4
22°	1647.9
23°	1580.0
24°	1516.0
25°	1450.3
26°	1388.6
27°	1335.3
28°	1279.8
29°	1181.7
30°	1037.4
32.5°	606.7
35°	308.0
37.5°	227.7
40°	170.6
42.5°	126.6
45°	95.7
47.5°	71.0
50°	36.3
52.5°	9.3
55°	5.4
57.5°	3.9
60°	3.1
62.5°	2.3
65°	1.5



TEST NUMBER: P220903

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-W-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)