

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: P220827

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220827  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29491)  
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]-LED2797-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1339.5 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

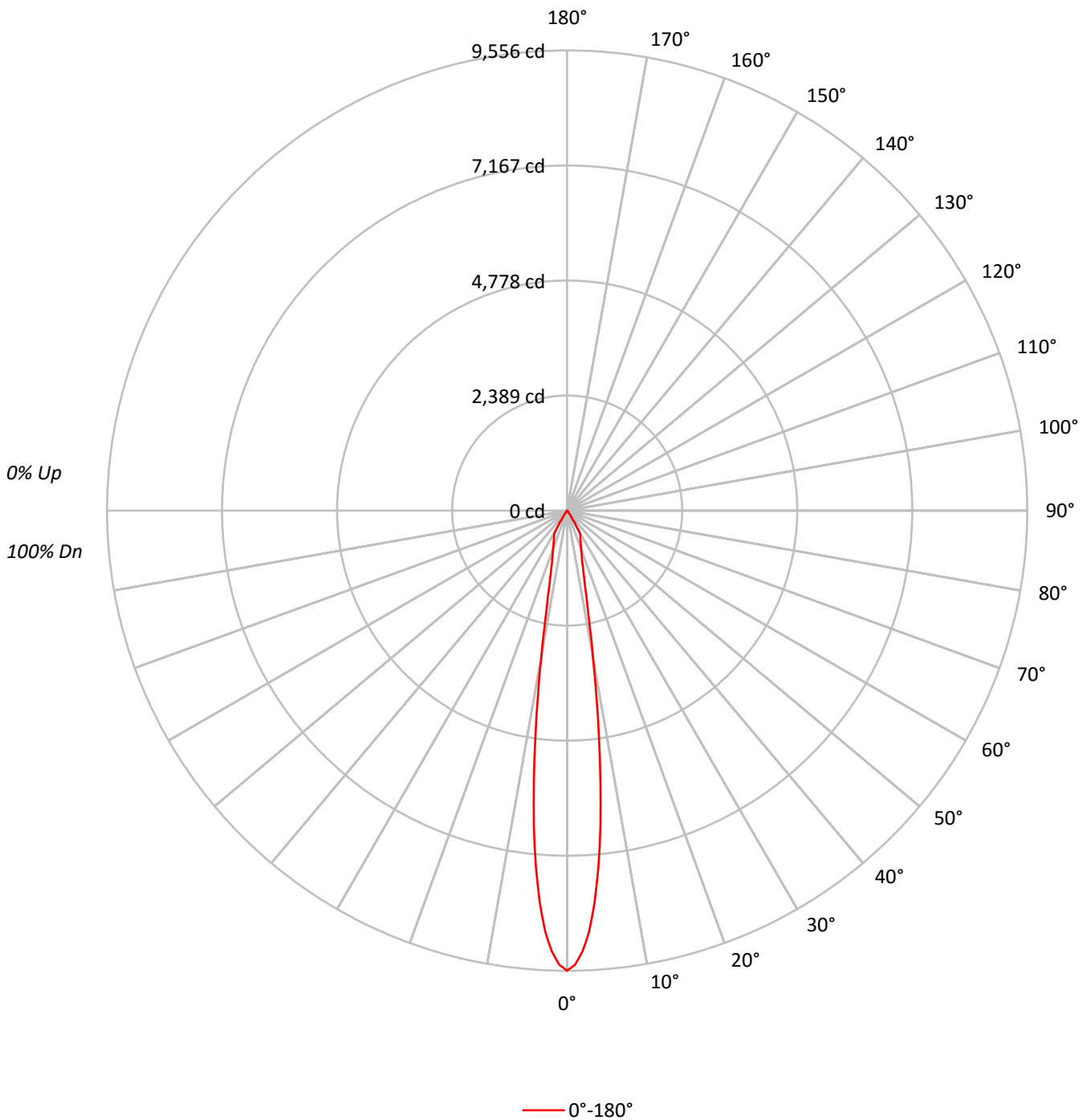
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220827

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220827

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	82	86	83	81	86	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	78	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

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

	0°
0°	1178678
5°	920887
10°	387894
15°	164384
20°	111297
25°	88368
30°	65417
35°	5933
40°	2174
45°	663
50°	518
55°	581
60°	395
65°	321
70°	180
75°	238
80°	355
85°	0



TEST NUMBER: P220827

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	559.9	41.8
10°-20°	395.6	29.5
20°-30°	302.1	22.5
30°-40°	74.1	5.5
40°-50°	4.0	0.3
50°-60°	2.2	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.0
80°-90°	0.2	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°	1257.5	93.9
0°-40°	1331.6	99.4
0°-60°	1337.7	99.9
0°-90°	1339.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1339.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9556	
5°	7438	560
15°	1287	396
25°	649	302
35°	39	74
45°	4	4
55°	3	2
65°	1	1
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P220827

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9555.9
1°	9433.4
2°	9163.5
3°	8749.5
4°	8169.9
5°	7437.5
6°	6595.5
7°	5670.4
8°	4738.8
9°	3886.0
10°	3097.0
11°	2472.0
12°	2014.3
13°	1690.4
14°	1460.0
15°	1287.3
16°	1154.5
17°	1057.9
18°	981.2
19°	909.4
20°	847.9
22.5°	731.3
25°	649.3
26°	627.2
27°	608.8
28°	590.5
29°	541.9
30°	459.3
32.5°	206.7
35°	39.4
37.5°	21.6
40°	13.5
42.5°	5.9
45°	3.8
47.5°	3.2
50°	2.7
52.5°	2.7
55°	2.7
57.5°	2.2
60°	1.6
62.5°	1.6
65°	1.1
67.5°	0.5
70°	0.5
72.5°	0.5



TEST NUMBER: P220827

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)