

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: P221409

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 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: 1151.5 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

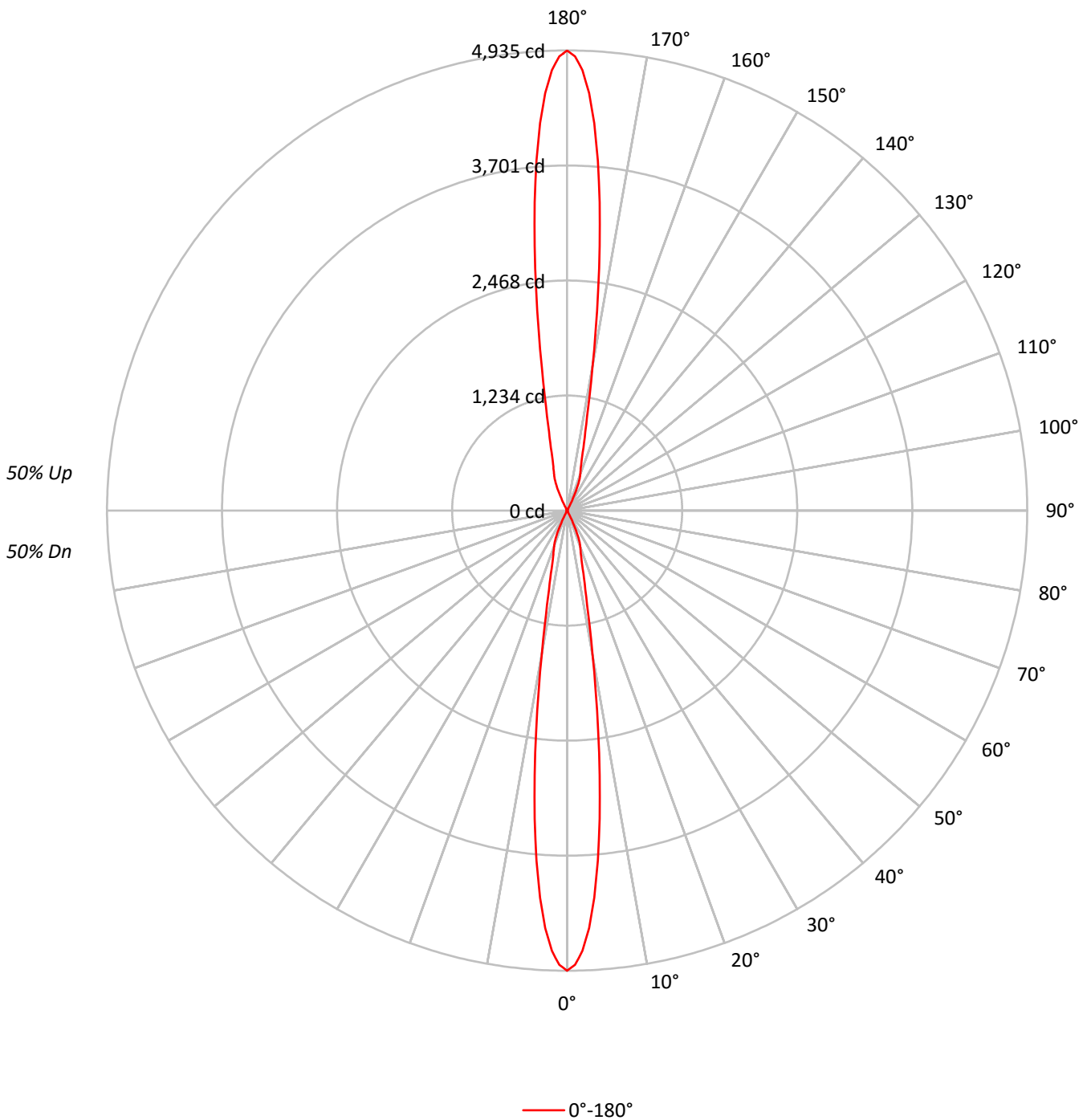
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221409

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221409

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-S-BK-L1-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	101	98	95	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60	58	56	54	50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56	56	53	52	49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54	54	51	49	48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51	52	49	48	47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49	50	48	46	46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47	49	46	45	45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46	48	45	43	44	42	41	40

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

	0°
0°	1082084
5°	828988
10°	347778
15°	146766
20°	95465
25°	41833
30°	5672
35°	2142
40°	1517
45°	1178
50°	1023
55°	1032
60°	833
65°	571
70°	256
75°	0
80°	0
85°	0



TEST NUMBER: P221409

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.5	24.6
10°-20°	197.7	17.2
20°-30°	81.5	7.1
30°-40°	6.4	0.6
40°-50°	3.1	0.3
50°-60°	2.3	0.2
60°-70°	1.1	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.1	0.1
120°-130°	2.3	0.2
130°-140°	3.1	0.3
140°-150°	6.4	0.6
150°-160°	81.5	7.1
160°-170°	197.7	17.2
170°-180°	283.5	24.6
0°-30°	562.7	48.9
0°-40°	569.1	49.4
0°-60°	574.5	49.9
0°-90°	575.7	50.0
90°-120°	1.4	0.1
90°-150°	13.2	1.1
90°-180°	576.0	50.0
0°-180°	1151.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4935	
5°	3766	284
15°	646	198
25°	173	81
35°	8	6
45°	4	3
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	3
145°	8	6
155°	173	81
165°	646	198
175°	3766	284
180°	4935	



TEST NUMBER: P221409

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4934.7
1°	4871.8
2°	4724.3
3°	4484.2
4°	4163.8
5°	3766.1
6°	3323.5
7°	2859.8
8°	2382.8
9°	1945.6
10°	1561.9
11°	1258.1
12°	1033.3
13°	867.6
14°	746.6
15°	646.5
16°	565.7
17°	513.0
18°	472.5
19°	436.8
20°	409.1
21°	383.7
22°	345.1
23°	292.4
24°	232.4
25°	172.9
26°	120.2
27°	72.0
28°	40.2
29°	26.9
30°	22.4
32.5°	14.4
35°	8.0
37.5°	6.1
40°	5.3
42.5°	4.6
45°	3.8
47.5°	3.4
50°	3.0
52.5°	2.7
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.5
65°	1.1



TEST NUMBER: P221409

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.8
115°	1.1
117.5°	1.5
120°	1.9
122.5°	2.3
125°	2.7
127.5°	2.7
130°	3.0
132.5°	3.4
135°	3.8
137.5°	4.6
140°	5.3
142.5°	6.1
145°	8.0
147.5°	14.4
150°	22.4
151°	26.9
152°	40.2
153°	72.0
154°	120.2
155°	172.9
156°	232.4
157°	292.4
158°	345.1
159°	383.7
160°	409.1
161°	436.8



TEST NUMBER: P221409

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-S-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	472.5
163°	513.0
164°	565.7
165°	646.5
166°	746.6
167°	867.6
168°	1033.3
169°	1258.1
170°	1561.9
171°	1945.6
172°	2382.8
173°	2859.8
174°	3323.5
175°	3766.1
176°	4163.8
177°	4484.2
178°	4724.3
179°	4871.8
180°	4934.7

(END OF REPORT)