

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: P220463

Luminaire Tested: **9003-W1-[RW, RI]-LED2797-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W1-[RW, RI]-LED2797-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1209.3 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

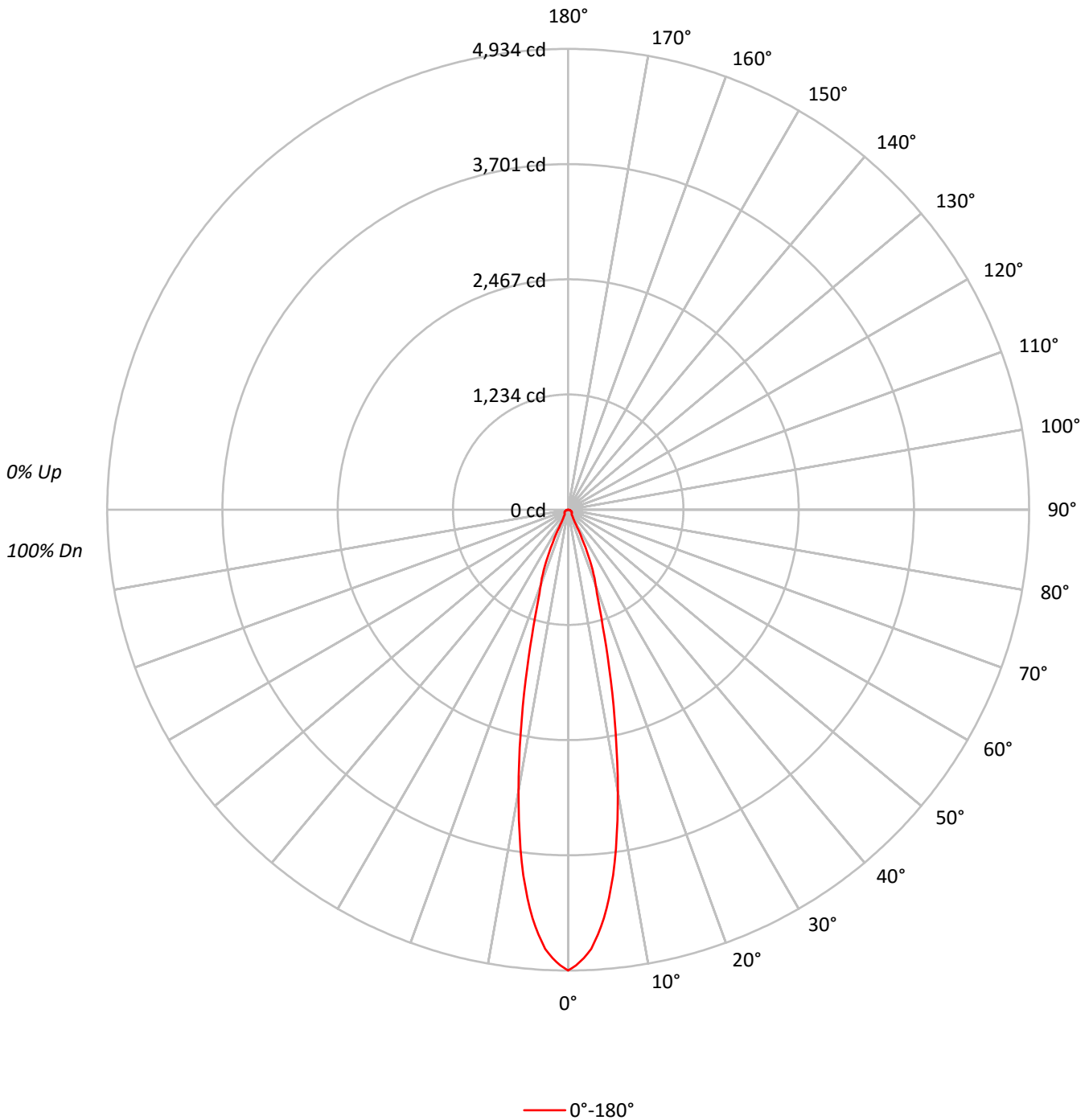
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220463

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-M-WT-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220463

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-M-WT-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	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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

	0°
0°	1081909
5°	966605
10°	681484
15°	370331
20°	200381
25°	95594
30°	27625
35°	17962
40°	16402
45°	16901
50°	17876
55°	18962
60°	18727
65°	17797
70°	14810
75°	13047
80°	15027
85°	14089



TEST NUMBER: P220463

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-M-WT-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.0	31.1
10°-20°	460.4	38.1
20°-30°	184.2	15.2
30°-40°	46.1	3.8
40°-50°	42.4	3.5
50°-60°	43.7	3.6
60°-70°	33.2	2.7
70°-80°	17.2	1.4
80°-90°	6.2	0.5
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°	1020.6	84.4
0°-40°	1066.7	88.2
0°-60°	1152.7	95.3
0°-90°	1209.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4934	
5°	4391	376
15°	1631	460
25°	395	184
35°	67	46
45°	54	42
55°	50	44
65°	34	33
75°	15	17
85°	6	6
90°	0	



TEST NUMBER: P220463

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-M-WT-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4933.9
1°	4879.4
2°	4805.9
3°	4710.1
4°	4560.5
5°	4391.3
6°	4179.4
7°	3944.5
8°	3667.6
9°	3365.5
10°	3060.6
11°	2750.1
12°	2444.6
13°	2159.3
14°	1883.8
15°	1631.3
16°	1402.7
17°	1216.7
18°	1065.0
19°	946.8
20°	858.7
21°	784.6
22°	699.9
23°	602.8
24°	497.9
25°	395.1
26°	295.8
27°	211.2
28°	148.9
29°	120.3
30°	109.1
32.5°	87.4
35°	67.1
37.5°	60.1
40°	57.3
42.5°	55.9
45°	54.5
47.5°	53.8
50°	52.4
52.5°	51.7
55°	49.6
57.5°	46.2
60°	42.7
62.5°	39.2
65°	34.3



TEST NUMBER: P220463

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-M-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	28.0
70°	23.1
72.5°	18.2
75°	15.4
77.5°	14.0
80°	11.9
82.5°	8.4
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)