

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: P220472

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2797-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED2797-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 711.9 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

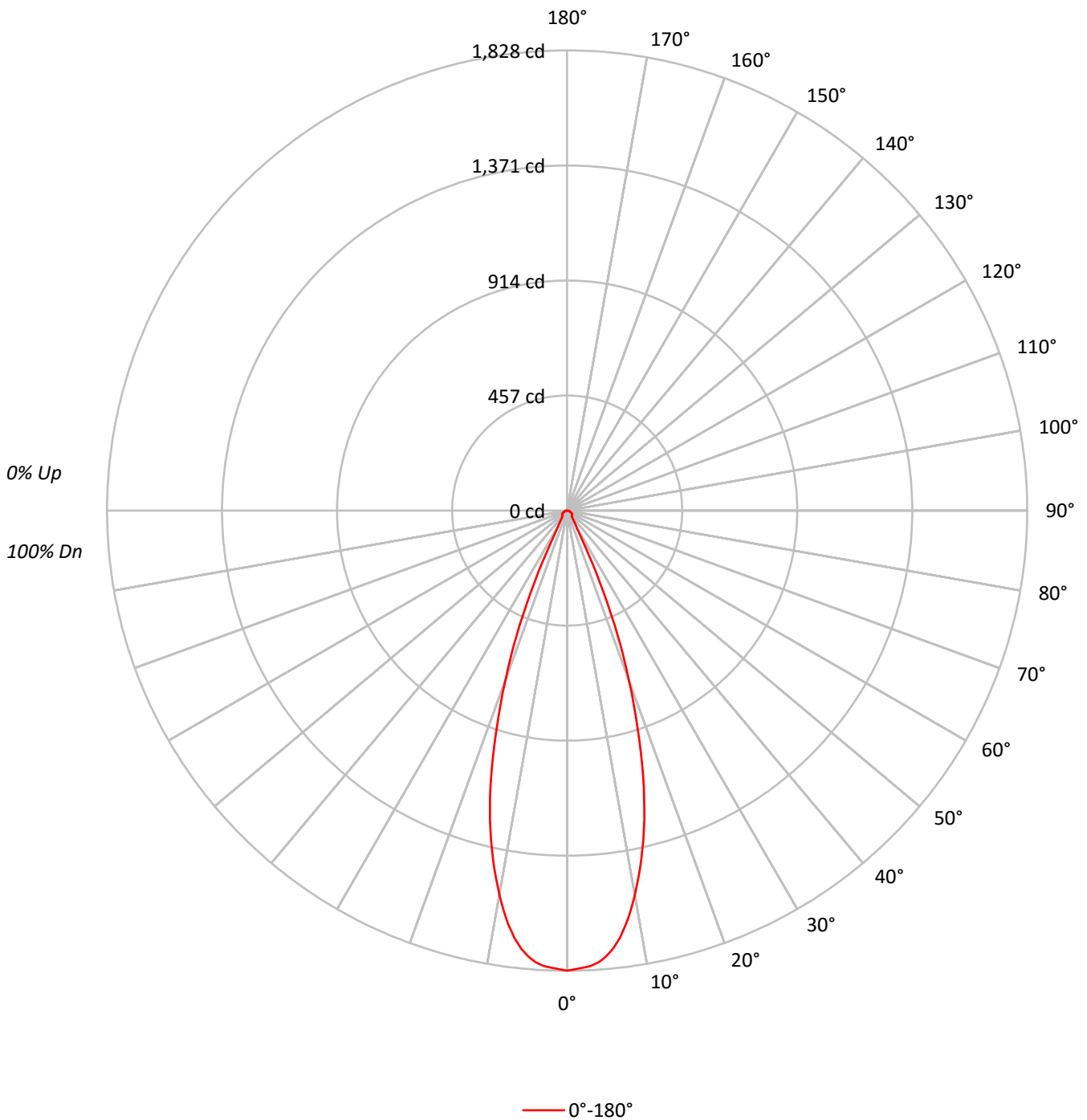
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

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

	0°
0°	400779
5°	391282
10°	345151
15°	268583
20°	167758
25°	65496
30°	17851
35°	10467
40°	8359
45°	8466
50°	8938
55°	9137
60°	8991
65°	8250
70°	7052
75°	6439
80°	7198
85°	6793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.5	22.8
10°-20°	317.1	44.5
20°-30°	136.0	19.1
30°-40°	26.9	3.8
40°-50°	21.3	3.0
50°-60°	21.2	3.0
60°-70°	15.7	2.2
70°-80°	8.4	1.2
80°-90°	3.0	0.4
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°	615.6	86.5
0°-40°	642.4	90.2
0°-60°	684.9	96.2
0°-90°	711.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1828	
5°	1778	162
15°	1183	317
25°	271	136
35°	39	27
45°	27	21
55°	24	21
65°	16	16
75°	8	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1827.7
1°	1822.4
2°	1816.7
3°	1811.4
4°	1798.8
5°	1777.6
6°	1749.2
7°	1712.0
8°	1664.6
9°	1611.2
10°	1550.1
11°	1484.9
12°	1417.0
13°	1343.4
14°	1266.1
15°	1183.1
16°	1094.3
17°	1001.0
18°	904.7
19°	810.3
20°	718.9
21°	632.1
22°	538.8
23°	443.3
24°	352.3
25°	270.7
26°	199.8
27°	141.4
28°	100.9
29°	80.0
30°	70.5
32.5°	53.5
35°	39.1
37.5°	31.9
40°	29.2
42.5°	28.1
45°	27.3
47.5°	26.9
50°	26.2
52.5°	25.0
55°	23.9
57.5°	22.4
60°	20.5
62.5°	18.6
65°	15.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.3
70°	11.0
72.5°	9.1
75°	7.6
77.5°	6.8
80°	5.7
82.5°	4.2
85°	2.7
87.5°	1.1
90°	0.0

(END OF REPORT)