

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: P220540

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)  
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-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 617.7 lumens  
Efficiency: N/A  
Efficacy: 63.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

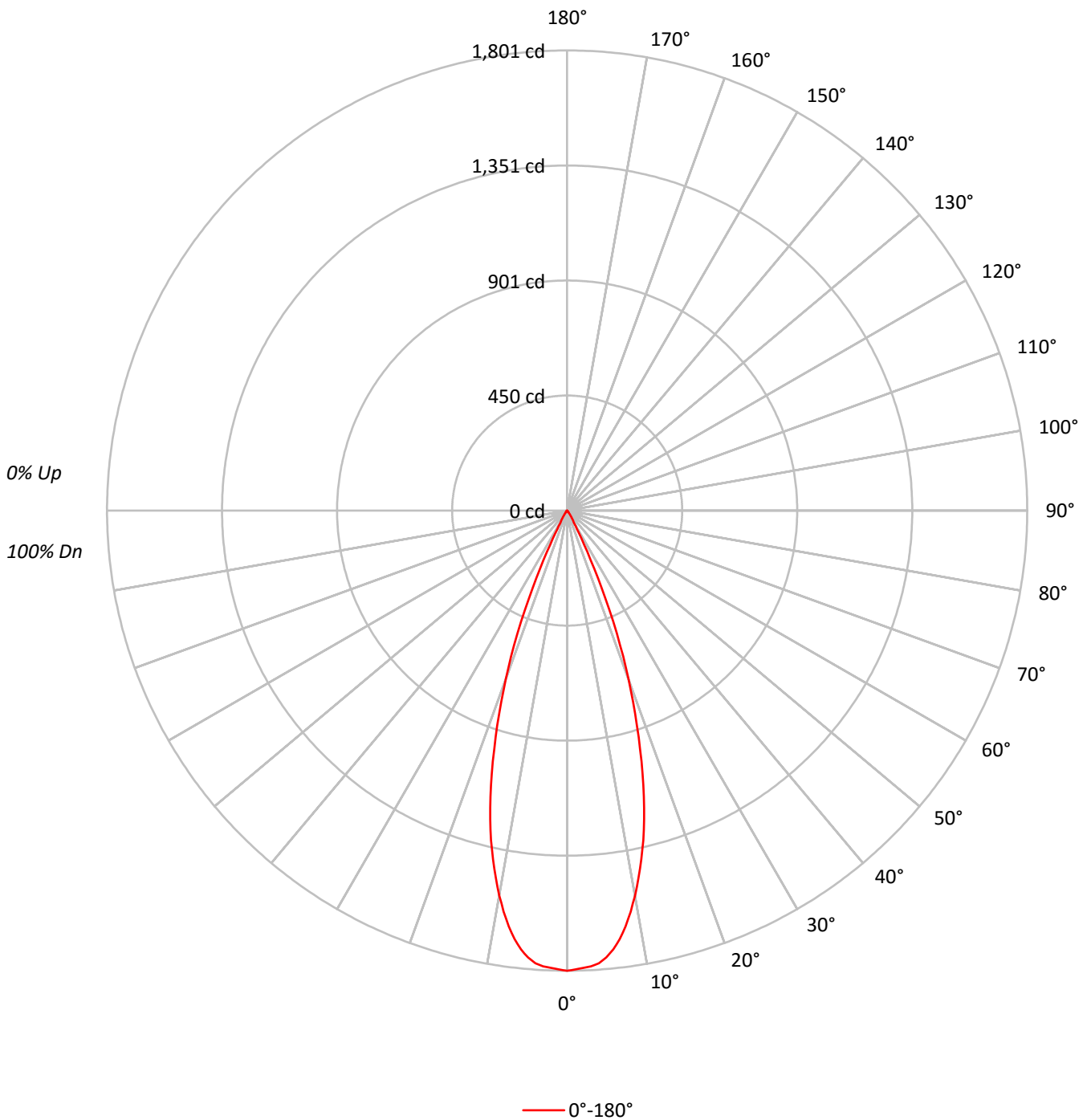
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	112	110	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	75	73	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70

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

	0°
0°	394946
5°	386440
10°	340586
15°	263157
20°	163441
25°	60560
30°	12685
35°	4765
40°	1746
45°	1178
50°	1023
55°	879
60°	658
65°	415
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.3	26.0
10°-20°	311.1	50.4
20°-30°	126.7	20.5
30°-40°	13.4	2.2
40°-50°	3.1	0.5
50°-60°	2.0	0.3
60°-70°	0.9	0.1
70°-80°	0.2	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°	598.1	96.8
0°-40°	611.5	99.0
0°-60°	616.7	99.8
0°-90°	617.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1801	
5°	1756	160
15°	1159	311
25°	250	127
35°	18	13
45°	4	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1801.1
1°	1796.6
2°	1791.3
3°	1786.3
4°	1776.5
5°	1755.6
6°	1727.2
7°	1690.0
8°	1642.6
9°	1588.8
10°	1529.6
11°	1464.8
12°	1395.8
13°	1323.7
14°	1244.9
15°	1159.2
16°	1072.0
17°	975.3
18°	885.0
19°	791.0
20°	700.4
21°	612.0
22°	518.3
23°	422.8
24°	332.2
25°	250.3
26°	179.4
27°	122.1
28°	80.8
29°	59.9
30°	50.1
32.5°	33.0
35°	17.8
37.5°	9.9
40°	6.1
42.5°	4.6
45°	3.8
47.5°	3.4
50°	3.0
52.5°	2.7
55°	2.3
57.5°	1.9
60°	1.5
62.5°	1.1
65°	0.8



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**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

(END OF REPORT)