

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: P220700

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4097-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
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]-FL-LED4097-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 700.6 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

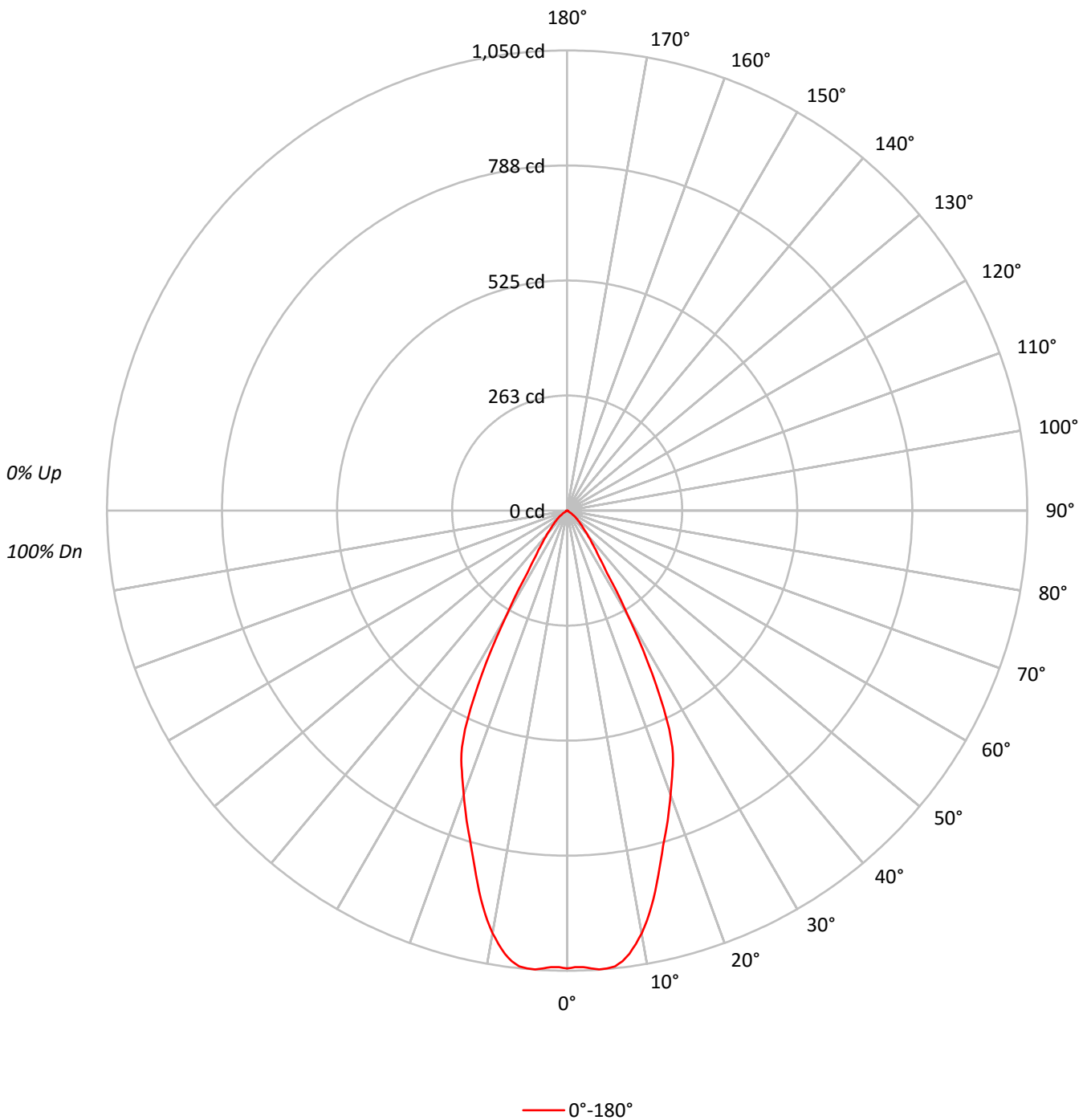
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

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

	0°
0°	229104
5°	230838
10°	218099
15°	187606
20°	161037
25°	133266
30°	71100
35°	32337
40°	20667
45°	13614
50°	9518
55°	4779
60°	1140
65°	1090
70°	1090
75°	763
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.0	14.0
10°-20°	231.1	33.0
20°-30°	236.2	33.7
30°-40°	85.5	12.2
40°-50°	35.2	5.0
50°-60°	11.4	1.6
60°-70°	2.0	0.3
70°-80°	1.0	0.1
80°-90°	0.3	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°	565.3	80.7
0°-40°	650.8	92.9
0°-60°	697.4	99.5
0°-90°	700.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1045	
5°	1049	98
15°	826	231
25°	551	236
35°	121	86
45°	44	35
55°	12	11
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1044.8
1°	1041.8
2°	1042.3
3°	1046.1
4°	1049.6
5°	1048.7
6°	1045.7
7°	1036.2
8°	1021.2
9°	1001.4
10°	979.5
11°	953.2
12°	924.4
13°	892.2
14°	858.7
15°	826.4
16°	795.4
17°	768.4
18°	743.4
19°	715.9
20°	690.1
21°	665.6
22°	641.5
23°	618.3
24°	590.8
25°	550.8
26°	501.8
27°	448.5
28°	392.1
29°	335.4
30°	280.8
32.5°	168.5
35°	120.8
37.5°	93.3
40°	72.2
42.5°	55.0
45°	43.9
47.5°	35.3
50°	27.9
52.5°	20.6
55°	12.5
57.5°	3.4
60°	2.6
62.5°	2.1
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.7
70°	1.7
72.5°	1.3
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)