

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: P220492

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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]-LED4097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 731.6 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

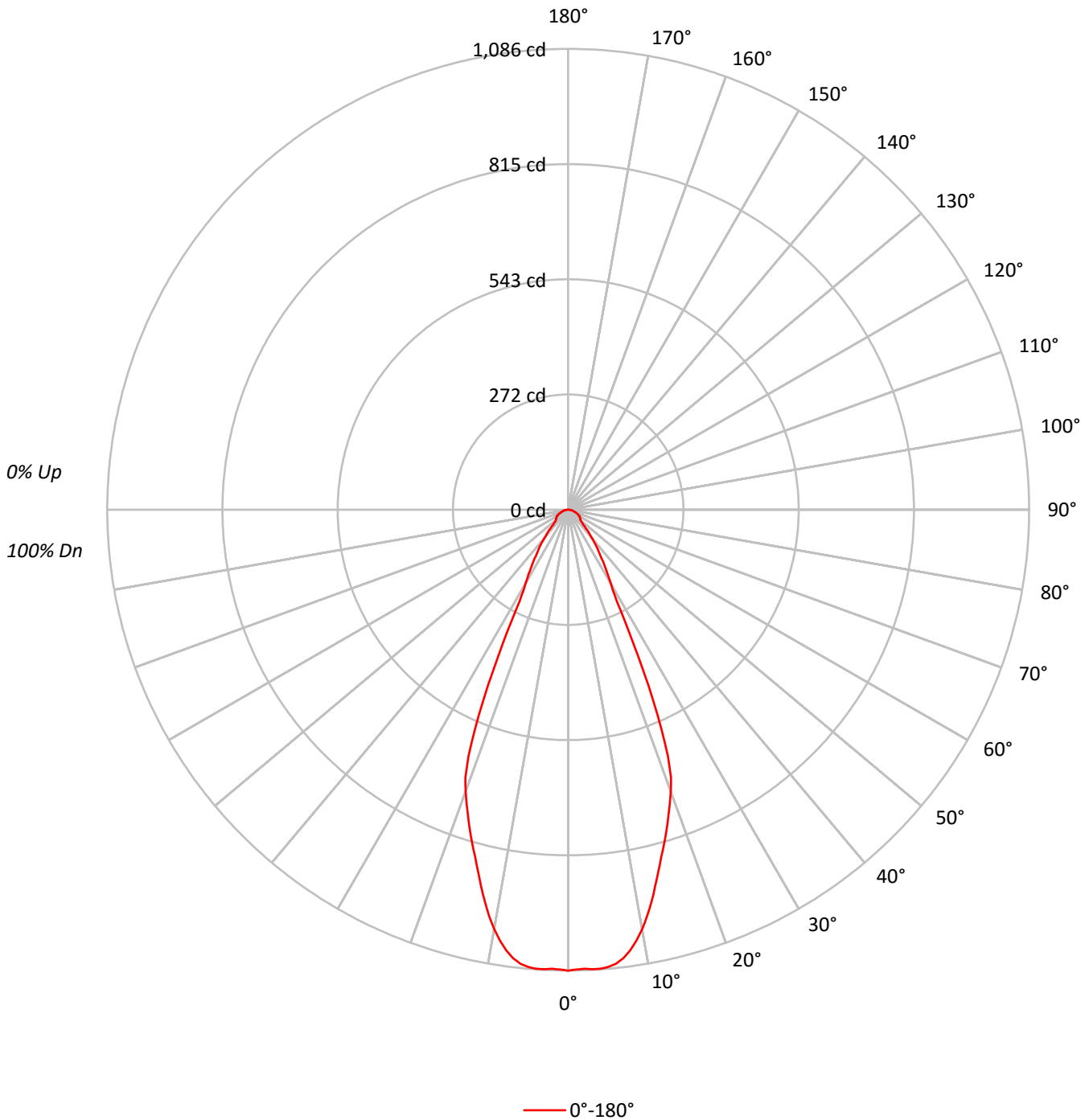
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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

	0°
0°	238248
5°	238124
10°	223465
15°	192192
20°	165051
25°	101643
30°	50742
35°	35576
40°	24732
45°	15878
50°	12895
55°	13151
60°	13376
65°	12920
70°	11605
75°	10929
80°	11996
85°	11825



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.9	13.8
10°-20°	236.9	32.4
20°-30°	192.3	26.3
30°-40°	85.0	11.6
40°-50°	42.6	5.8
50°-60°	30.6	4.2
60°-70°	24.3	3.3
70°-80°	13.9	1.9
80°-90°	5.1	0.7
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°	530.1	72.5
0°-40°	615.1	84.1
0°-60°	688.4	94.1
0°-90°	731.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1086	
5°	1082	101
15°	847	237
25°	420	192
35°	133	85
45°	51	43
55°	34	31
65°	25	24
75°	13	14
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1086.5
1°	1083.5
2°	1082.7
3°	1084.4
4°	1084.4
5°	1081.8
6°	1076.2
7°	1065.0
8°	1048.7
9°	1027.6
10°	1003.6
11°	975.6
12°	944.7
13°	911.1
14°	878.0
15°	846.6
16°	819.5
17°	791.2
18°	762.8
19°	734.4
20°	707.3
21°	675.9
22°	626.5
23°	562.8
24°	493.2
25°	420.1
26°	351.3
27°	290.2
28°	243.8
29°	217.1
30°	200.4
32.5°	164.2
35°	132.9
37.5°	109.6
40°	86.4
42.5°	68.4
45°	51.2
47.5°	41.3
50°	37.8
52.5°	36.1
55°	34.4
57.5°	32.2
60°	30.5
62.5°	27.9
65°	24.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.1
70°	18.1
72.5°	14.6
75°	12.9
77.5°	11.2
80°	9.5
82.5°	7.3
85°	4.7
87.5°	2.1
90°	0.0

(END OF REPORT)