

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: P220577

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220577  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
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-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 730.8 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

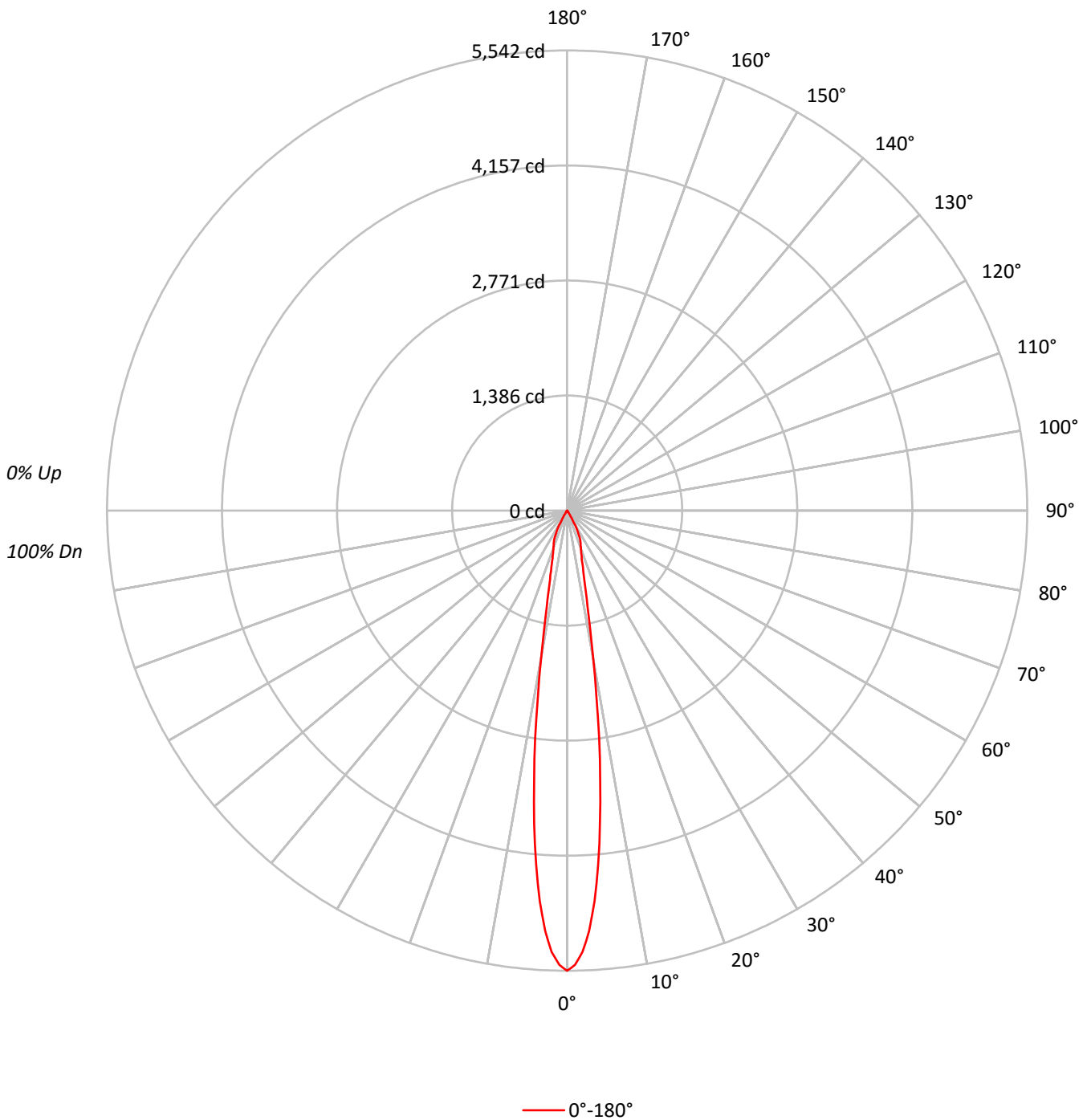
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	113	111	109	108	107	106	105		103	102	101		100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99		100	99	97		98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88		92	90	88		91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	86		90	87	85		89	86	85	83
7	97	90	86	84	96	90	86	83	89	85	83		88	85	83		87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81		86	83	81		85	82	80	79
9	92	86	82	79	91	85	82	79	84	81	79		84	81	79		83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77		82	79	77		81	78	77	76

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

	0°
0°	1215232
5°	943515
10°	403065
15°	170421
20°	112966
25°	84682
30°	32435
35°	4952
40°	2719
45°	1209
50°	887
55°	803
60°	921
65°	882
70°	833
75°	763
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.9	44.3
10°-20°	229.5	31.4
20°-30°	148.0	20.2
30°-40°	21.3	2.9
40°-50°	3.4	0.5
50°-60°	2.0	0.3
60°-70°	1.6	0.2
70°-80°	0.8	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°	701.4	96.0
0°-40°	722.8	98.9
0°-60°	728.2	99.6
0°-90°	730.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5542	
5°	4286	324
15°	751	230
25°	350	148
35°	18	21
45°	4	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5541.9
1°	5472.7
2°	5319.6
3°	5068.1
4°	4718.1
5°	4286.4
6°	3790.2
7°	3272.1
8°	2759.6
9°	2253.0
10°	1810.2
11°	1448.6
12°	1188.0
13°	997.5
14°	856.1
15°	750.7
16°	663.9
17°	600.7
18°	555.5
19°	516.0
20°	484.1
21°	456.6
22°	432.6
23°	410.2
24°	384.4
25°	350.0
26°	309.6
27°	266.2
28°	218.9
29°	172.0
30°	128.1
32.5°	42.6
35°	18.5
37.5°	13.3
40°	9.5
42.5°	4.7
45°	3.9
47.5°	3.0
50°	2.6
52.5°	2.6
55°	2.1
57.5°	2.1
60°	2.1
62.5°	1.7
65°	1.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
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)