

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: P220441

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
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-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 773.1 lumens  
Efficiency: N/A  
Efficacy: 78.9 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

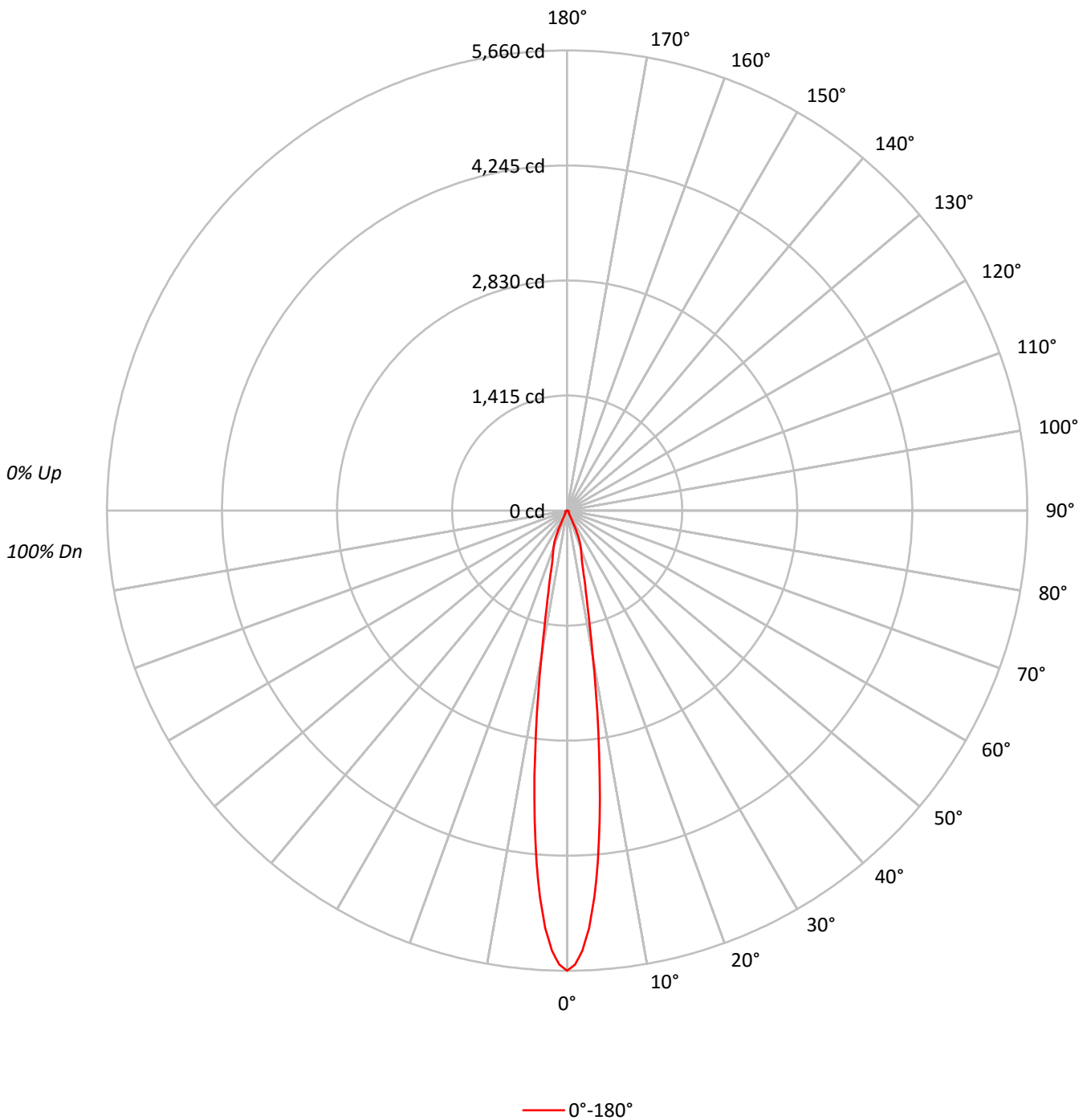
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	73	71	70

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

	0°
0°	1241063
5°	953442
10°	404201
15°	173463
20°	115393
25°	54923
30°	13496
35°	10012
40°	9589
45°	9613
50°	9825
55°	11010
60°	11139
65°	10273
70°	8527
75°	7625
80°	8713
85°	8554



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.5	42.2
10°-20°	233.7	30.2
20°-30°	105.7	13.7
30°-40°	24.9	3.2
40°-50°	24.0	3.1
50°-60°	25.2	3.3
60°-70°	19.4	2.5
70°-80°	10.0	1.3
80°-90°	3.6	0.5
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°	665.8	86.1
0°-40°	690.8	89.4
0°-60°	740.0	95.7
0°-90°	773.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5660	
5°	4332	327
15°	764	234
25°	227	106
35°	37	25
45°	31	24
55°	29	25
65°	20	19
75°	9	10
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5659.7
1°	5585.8
2°	5413.8
3°	5141.2
4°	4774.4
5°	4331.5
6°	3824.2
7°	3292.7
8°	2755.7
9°	2253.9
10°	1815.3
11°	1466.2
12°	1210.8
13°	1023.3
14°	876.7
15°	764.1
16°	673.3
17°	612.3
18°	566.7
19°	527.1
20°	494.5
22.5°	393.0
25°	227.0
26°	165.5
27°	112.7
28°	74.8
29°	58.9
30°	53.3
32.5°	44.7
35°	37.4
37.5°	34.8
40°	33.5
42.5°	32.2
45°	31.0
47.5°	29.7
50°	28.8
52.5°	28.8
55°	28.8
57.5°	27.9
60°	25.4
62.5°	23.2
65°	19.8
67.5°	16.3
70°	13.3
72.5°	10.7



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	9.0
77.5°	8.2
80°	6.9
82.5°	5.2
85°	3.4
87.5°	1.3
90°	0.0

(END OF REPORT)