

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: P220517

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
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-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1203.9 lumens  
Efficiency: N/A  
Efficacy: 59.9 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

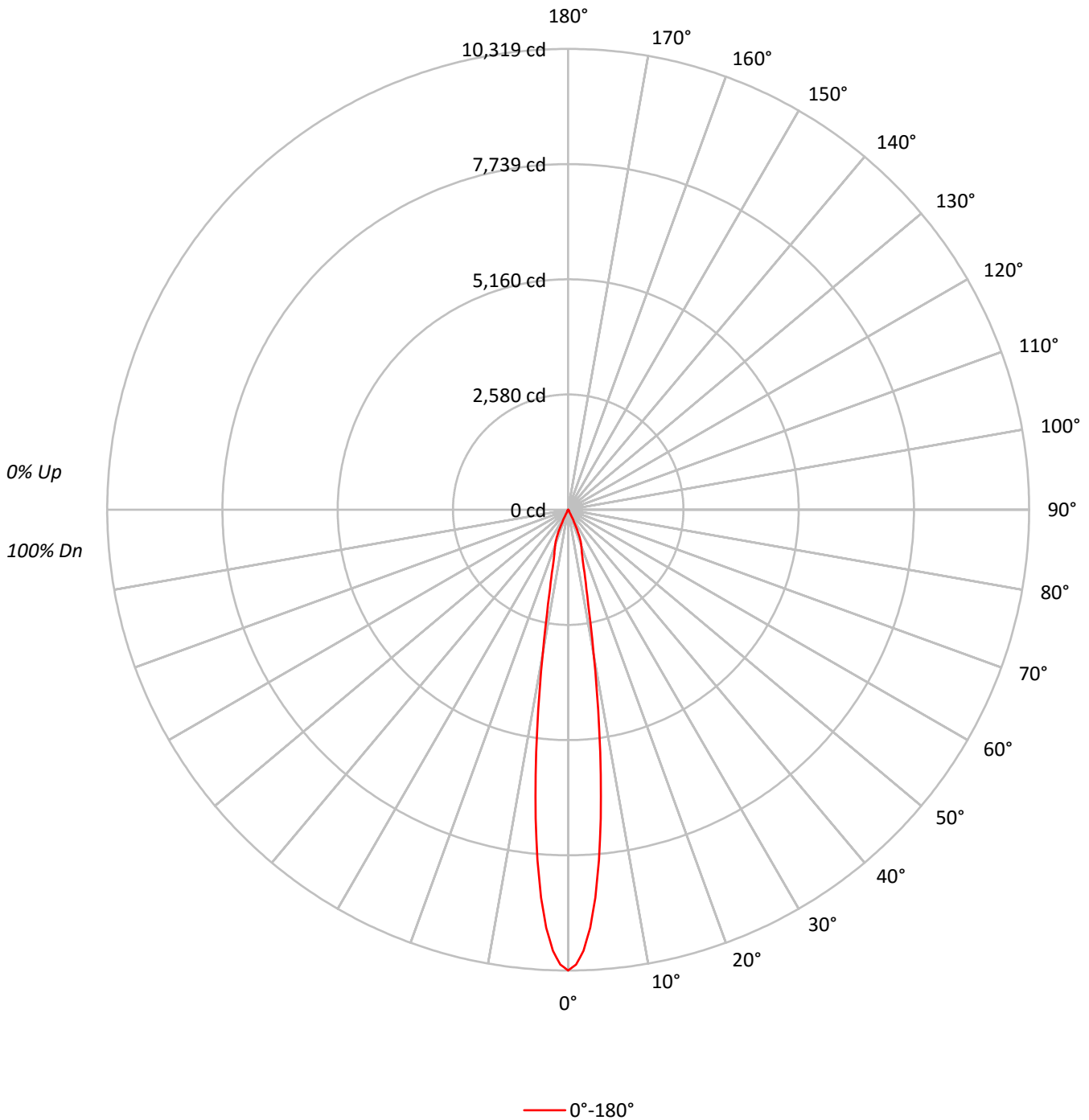
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84
8	96	91	87	84	95	90	87	84	89	86	84	88	86	84	88	85	83	82
9	94	88	85	82	94	88	85	82	87	84	82	87	84	82	86	83	82	81
10	92	87	83	81	92	86	83	81	86	83	80	85	82	80	84	82	80	79

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

	0°
0°	2262713
5°	1733454
10°	727219
15°	306903
20°	199634
25°	87489
30°	11850
35°	4470
40°	3177
45°	2450
50°	2149
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	592.9	49.2
10°-20°	413.4	34.3
20°-30°	170.4	14.2
30°-40°	13.5	1.1
40°-50°	6.4	0.5
50°-60°	4.7	0.4
60°-70°	2.4	0.2
70°-80°	0.3	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°	1176.6	97.7
0°-40°	1190.1	98.9
0°-60°	1201.2	99.8
0°-90°	1203.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10319	
5°	7875	593
15°	1352	413
25°	362	170
35°	17	13
45°	8	6
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10318.8
1°	10187.2
2°	9878.8
3°	9376.9
4°	8706.9
5°	7875.1
6°	6949.8
7°	5980.1
8°	4982.6
9°	4068.4
10°	3266.0
11°	2630.8
12°	2160.7
13°	1814.2
14°	1561.2
15°	1351.9
16°	1183.0
17°	1072.8
18°	988.0
19°	913.4
20°	855.5
21°	802.4
22°	721.5
23°	611.3
24°	486.0
25°	361.6
26°	251.4
27°	150.7
28°	84.0
29°	56.3
30°	46.8
32.5°	30.1
35°	16.7
37.5°	12.7
40°	11.1
42.5°	9.5
45°	7.9
47.5°	7.1
50°	6.3
52.5°	5.6
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
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)