

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: P220677

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3590-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)  
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-LED3590-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 783.3 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

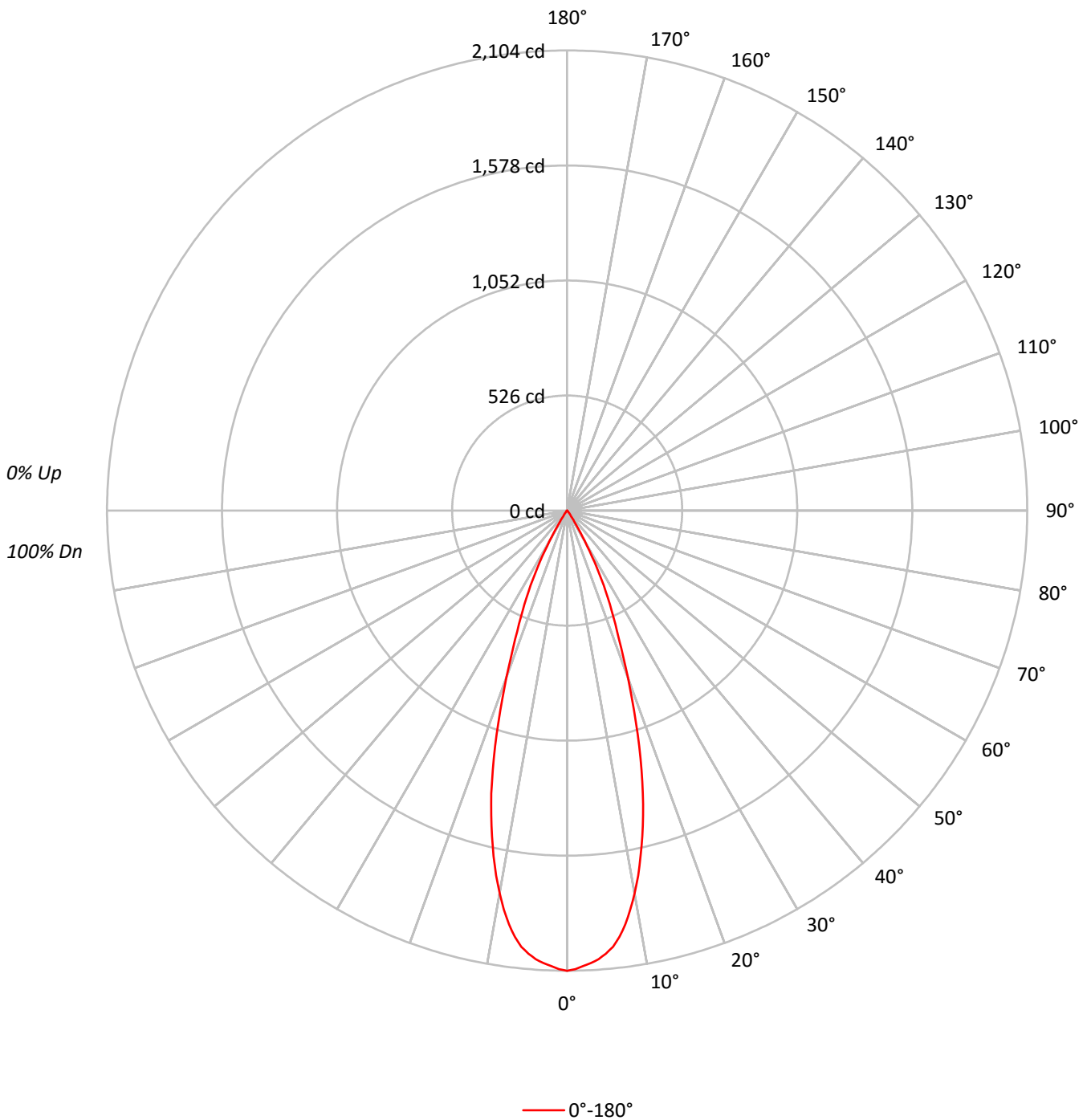
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	85	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	73
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68

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

	0°
0°	461476
5°	447787
10°	395873
15°	303997
20°	189226
25°	106700
30°	40513
35°	8673
40°	3378
45°	1085
50°	887
55°	688
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.2	23.8
10°-20°	359.3	45.9
20°-30°	200.4	25.6
30°-40°	30.3	3.9
40°-50°	3.4	0.4
50°-60°	1.7	0.2
60°-70°	1.1	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	745.9	95.2
0°-40°	776.2	99.1
0°-60°	781.3	99.7
0°-90°	783.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2104	
5°	2034	186
15°	1339	359
25°	441	200
35°	32	30
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2104.5
1°	2097.0
2°	2084.7
3°	2072.0
4°	2055.8
5°	2034.3
6°	2005.4
7°	1963.7
8°	1910.3
9°	1847.1
10°	1777.9
11°	1700.3
12°	1616.1
13°	1528.9
14°	1435.6
15°	1339.1
16°	1234.8
17°	1127.0
18°	1017.4
19°	912.6
20°	810.9
21°	716.7
22°	633.4
23°	563.3
24°	502.3
25°	441.0
26°	380.9
27°	322.6
28°	266.1
29°	211.7
30°	160.0
32.5°	64.0
35°	32.4
37.5°	20.2
40°	11.8
42.5°	4.4
45°	3.5
47.5°	2.6
50°	2.6
52.5°	2.2
55°	1.8
57.5°	1.8
60°	1.3
62.5°	1.3
65°	1.3



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)