

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: P220644

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220644  
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-LED4080-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 921.7 lumens  
Efficiency: N/A  
Efficacy: 94.1 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

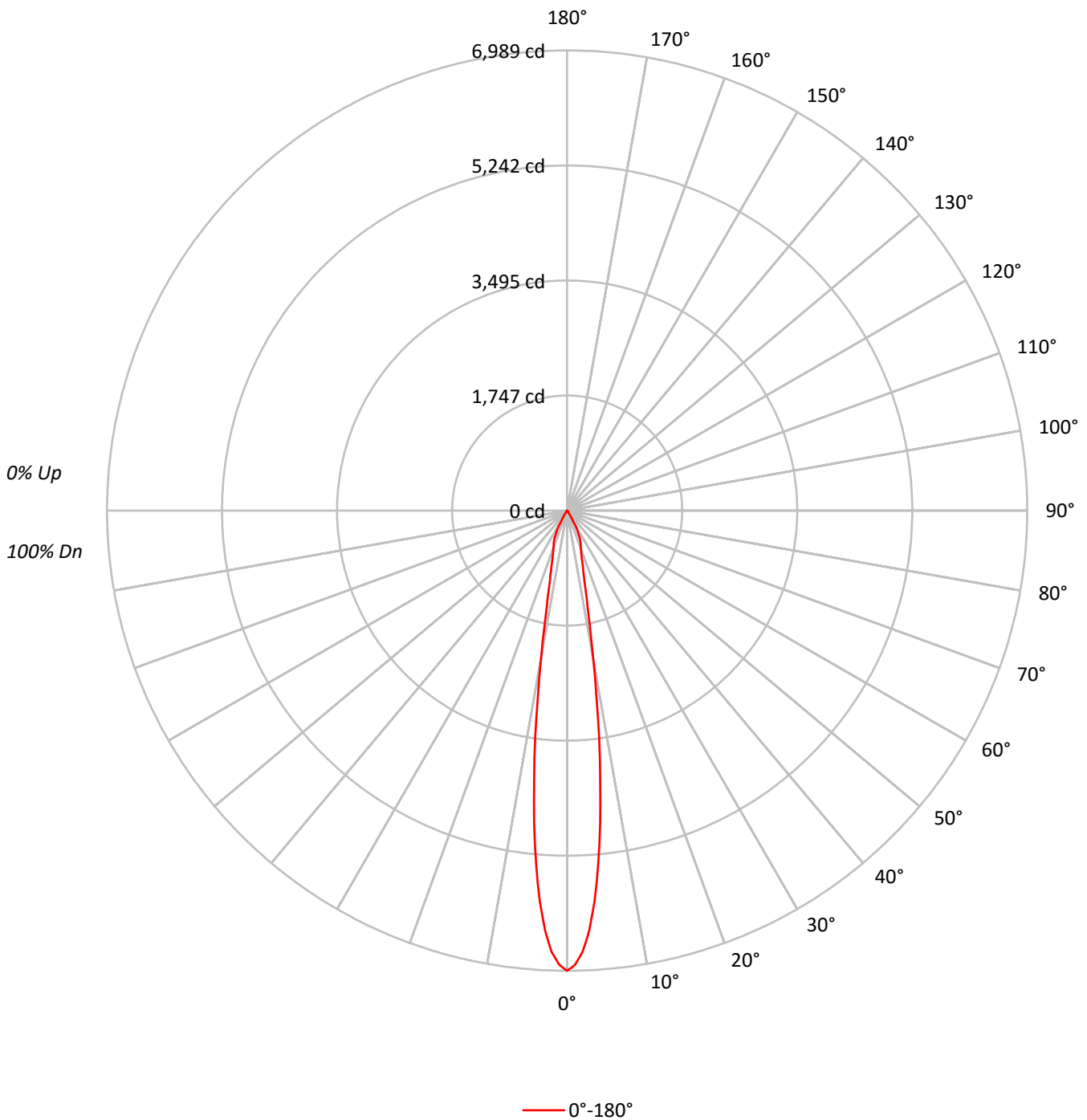
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1532640
5°	1189937
10°	508341
15°	214939
20°	142486
25°	106796
30°	40918
35°	6237
40°	3406
45°	1520
50°	1126
55°	1032
60°	1184
65°	1141
70°	1026
75°	932
80°	631
85°	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.5	44.3
10°-20°	289.5	31.4
20°-30°	186.6	20.2
30°-40°	26.9	2.9
40°-50°	4.2	0.5
50°-60°	2.6	0.3
60°-70°	2.0	0.2
70°-80°	1.0	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°	884.6	96.0
0°-40°	911.5	98.9
0°-60°	918.4	99.6
0°-90°	921.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6989	
5°	5406	409
15°	947	289
25°	441	187
35°	23	27
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6989.4
1°	6902.1
2°	6709.0
3°	6391.8
4°	5950.4
5°	5405.9
6°	4780.1
7°	4126.7
8°	3480.3
9°	2841.5
10°	2283.0
11°	1826.9
12°	1498.3
13°	1258.1
14°	1079.7
15°	946.8
16°	837.3
17°	757.6
18°	700.6
19°	650.7
20°	610.6
21°	575.9
22°	545.5
23°	517.3
24°	484.8
25°	441.4
26°	390.4
27°	335.7
28°	276.0
29°	216.9
30°	161.6
32.5°	53.7
35°	23.3
37.5°	16.8
40°	11.9
42.5°	6.0
45°	4.9
47.5°	3.8
50°	3.3
52.5°	3.3
55°	2.7
57.5°	2.7
60°	2.7
62.5°	2.2
65°	2.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	1.6
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)