

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: P220695

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 883.7 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

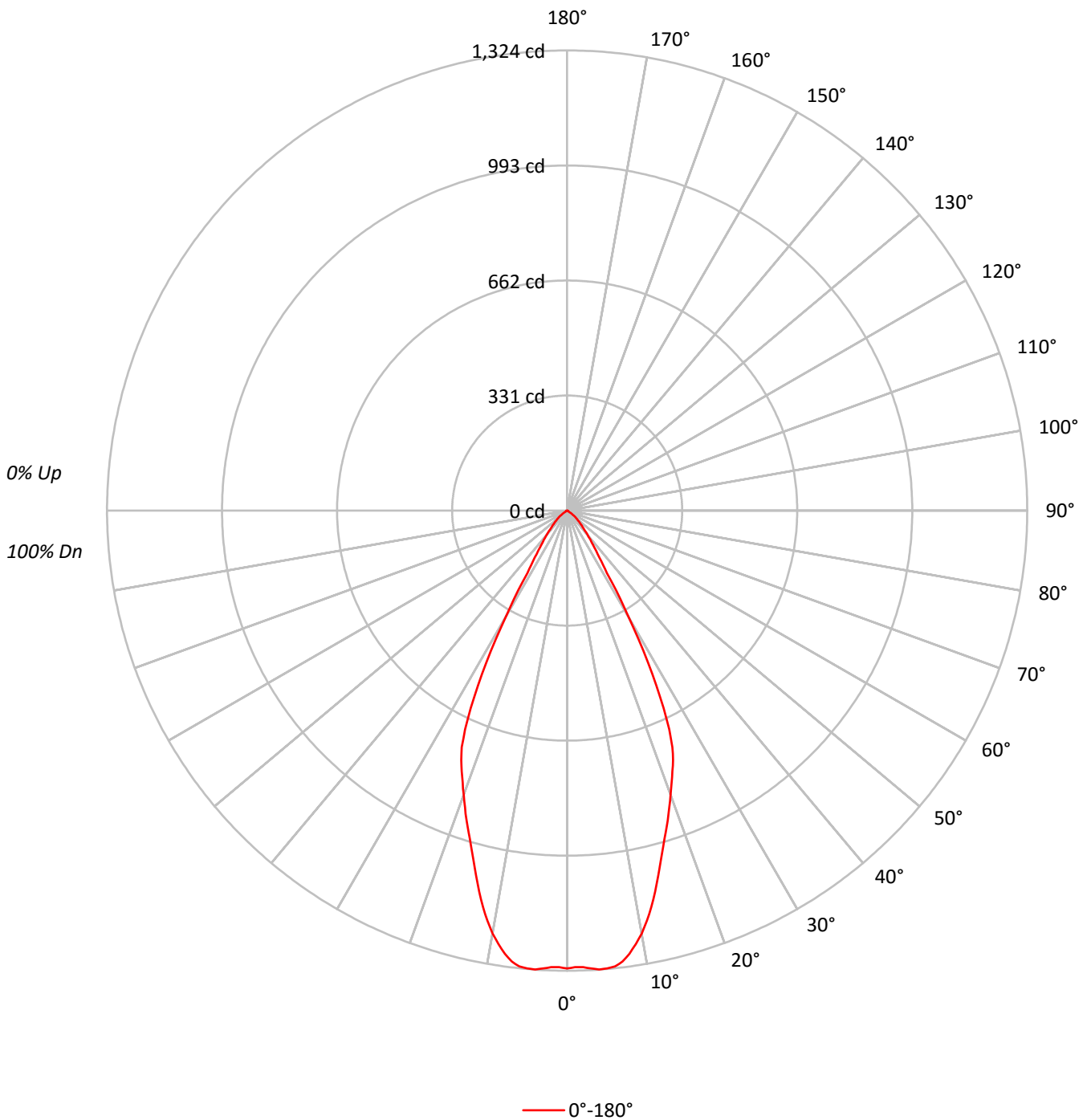
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

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

	0°
0°	288946
5°	291128
10°	275056
15°	236619
20°	203111
25°	168082
30°	89659
35°	40796
40°	26077
45°	17149
50°	12008
55°	6002
60°	1447
65°	1401
70°	1410
75°	932
80°	631
85°	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.6	14.0
10°-20°	291.5	33.0
20°-30°	297.9	33.7
30°-40°	107.9	12.2
40°-50°	44.4	5.0
50°-60°	14.3	1.6
60°-70°	2.6	0.3
70°-80°	1.2	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°	712.9	80.7
0°-40°	820.8	92.9
0°-60°	879.6	99.5
0°-90°	883.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1318	
5°	1323	124
15°	1042	291
25°	695	298
35°	152	108
45°	55	44
55°	16	14
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1317.7
1°	1313.9
2°	1314.5
3°	1319.4
4°	1323.7
5°	1322.6
6°	1318.8
7°	1306.9
8°	1287.9
9°	1263.0
10°	1235.3
11°	1202.2
12°	1165.9
13°	1125.2
14°	1082.9
15°	1042.3
16°	1003.2
17°	969.0
18°	937.6
19°	902.9
20°	870.4
21°	839.4
22°	809.1
23°	779.8
24°	745.1
25°	694.7
26°	632.8
27°	565.6
28°	494.6
29°	423.0
30°	354.1
32.5°	212.6
35°	152.4
37.5°	117.7
40°	91.1
42.5°	69.4
45°	55.3
47.5°	44.5
50°	35.2
52.5°	26.0
55°	15.7
57.5°	4.3
60°	3.3
62.5°	2.7
65°	2.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.2
70°	2.2
72.5°	1.6
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)