

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: P29479

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 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-L2-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: 1629.6 lumens  
Efficiency: N/A  
Efficacy: 81.1 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

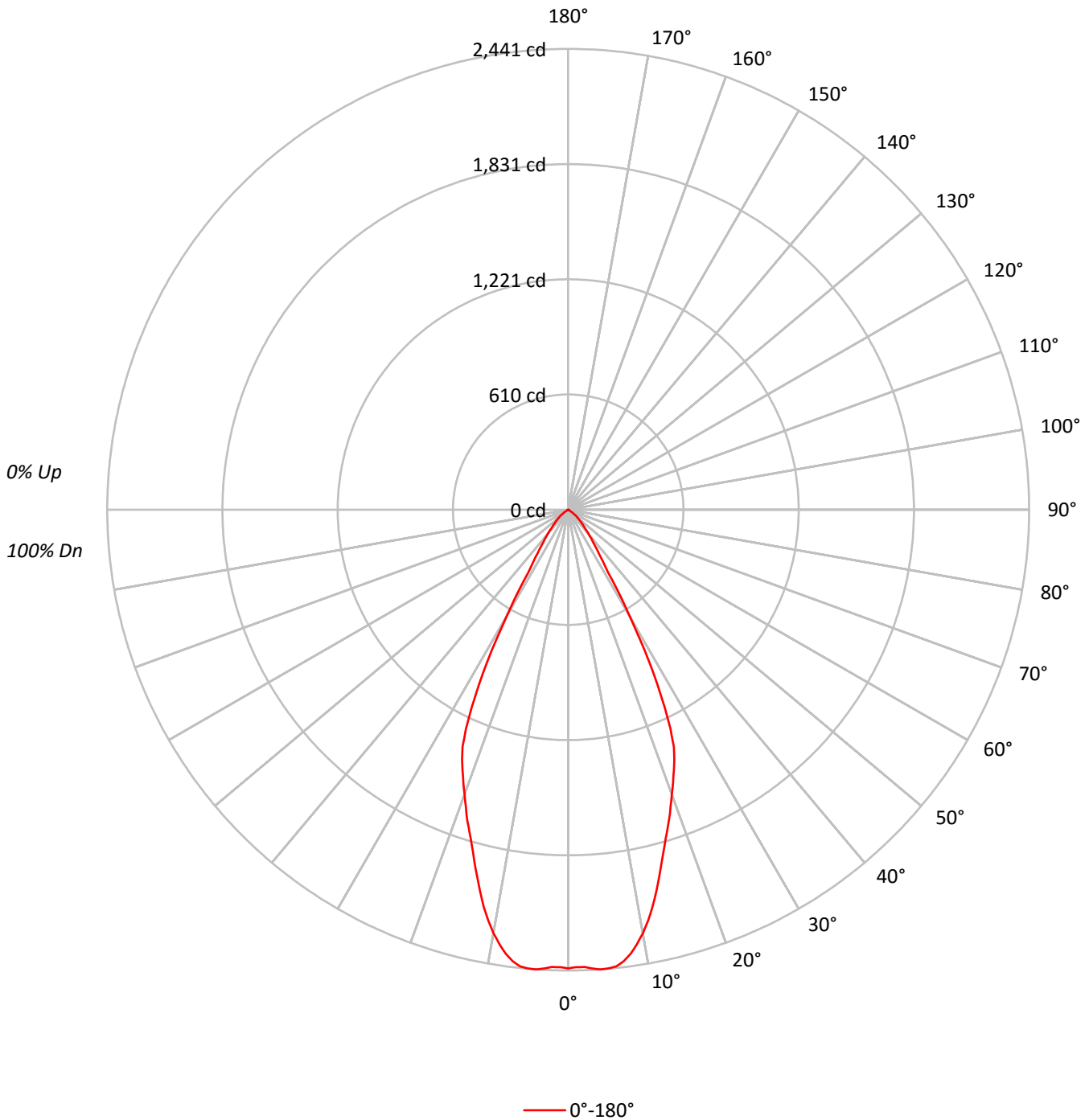
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	532852
5°	536869
10°	507227
15°	436325
20°	374533
25°	309937
30°	165342
35°	75222
40°	48090
45°	31631
50°	22174
55°	11087
60°	2631
65°	2594
70°	2565
75°	1694
80°	1263
85°	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.9	14.0
10°-20°	537.5	33.0
20°-30°	549.3	33.7
30°-40°	198.9	12.2
40°-50°	81.9	5.0
50°-60°	26.4	1.6
60°-70°	4.7	0.3
70°-80°	2.2	0.1
80°-90°	0.7	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°	1314.7	80.7
0°-40°	1513.6	92.9
0°-60°	1622.0	99.5
0°-90°	1629.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1629.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2430	
5°	2439	228
15°	1922	537
25°	1281	549
35°	281	199
45°	102	82
55°	29	26
65°	5	5
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2430
1°	2423
2°	2424
3°	2433
4°	2441
5°	2439
6°	2432
7°	2410
8°	2375
9°	2329
10°	2278
11°	2217
12°	2150
13°	2075
14°	1997
15°	1922
16°	1850
17°	1787
18°	1729
19°	1665
20°	1605
21°	1548
22°	1492
23°	1438
24°	1374
25°	1281
26°	1167
27°	1043
28°	912
29°	780
30°	653
32.5°	392
35°	281
37.5°	217
40°	168
42.5°	128
45°	102
47.5°	82
50°	65
52.5°	48
55°	29
57.5°	8
60°	6
62.5°	5
65°	5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4
70°	4
72.5°	3
75°	2
77.5°	1
80°	1
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)