

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: P220670

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED5080-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
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-LED5080-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1686.1 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

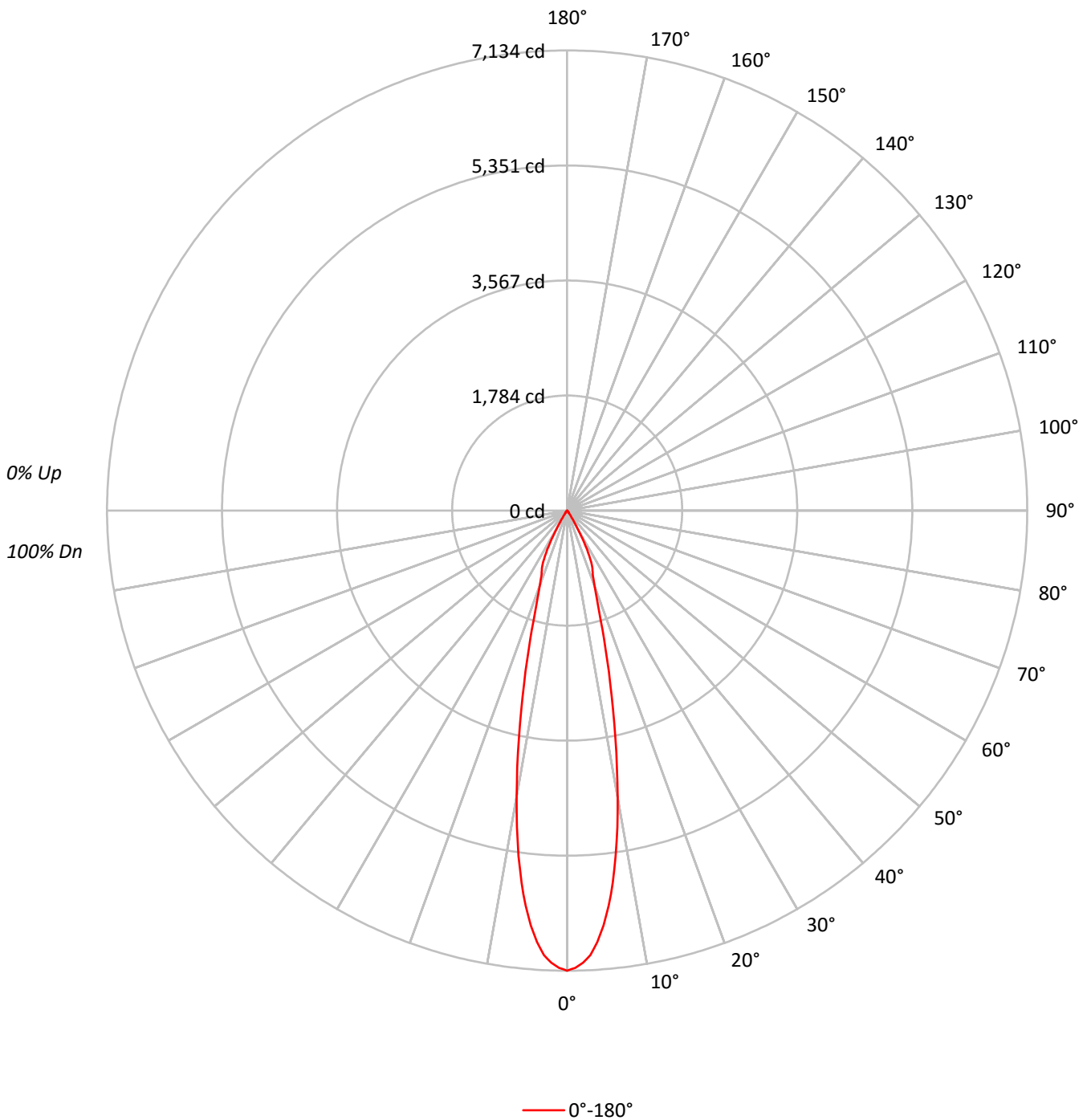
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71

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

	0°
0°	1564283
5°	1421392
10°	1004568
15°	542886
20°	288705
25°	212383
30°	85760
35°	16410
40°	8616
45°	3876
50°	3173
55°	2791
60°	2281
65°	2179
70°	1988
75°	1779
80°	1263
85°	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	553.3	32.8
10°-20°	675.0	40.0
20°-30°	371.5	22.0
30°-40°	61.6	3.7
40°-50°	11.3	0.7
50°-60°	6.5	0.4
60°-70°	4.1	0.2
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°	1599.7	94.9
0°-40°	1661.4	98.5
0°-60°	1679.2	99.6
0°-90°	1686.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1686.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7134	
5°	6457	553
15°	2391	675
25°	878	372
35°	61	62
45°	12	11
55°	7	6
65°	4	4
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7133.7
1°	7090.0
2°	7016.3
3°	6899.9
4°	6702.5
5°	6457.4
6°	6161.3
7°	5809.1
8°	5408.2
9°	4968.7
10°	4511.6
11°	4050.4
12°	3597.5
13°	3164.3
14°	2764.3
15°	2391.4
16°	2069.4
17°	1779.5
18°	1553.1
19°	1372.3
20°	1237.2
21°	1134.4
22°	1059.6
23°	1006.6
24°	953.6
25°	877.8
26°	783.3
27°	677.3
28°	562.0
29°	448.8
30°	338.7
32.5°	122.6
35°	61.3
37.5°	43.6
40°	30.1
42.5°	15.6
45°	12.5
47.5°	11.4
50°	9.3
52.5°	8.3
55°	7.3
57.5°	6.2
60°	5.2
62.5°	5.2
65°	4.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.1
70°	3.1
72.5°	2.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)