

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: P220471

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
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]-[RW, RI]-LED5080-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1057.6 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

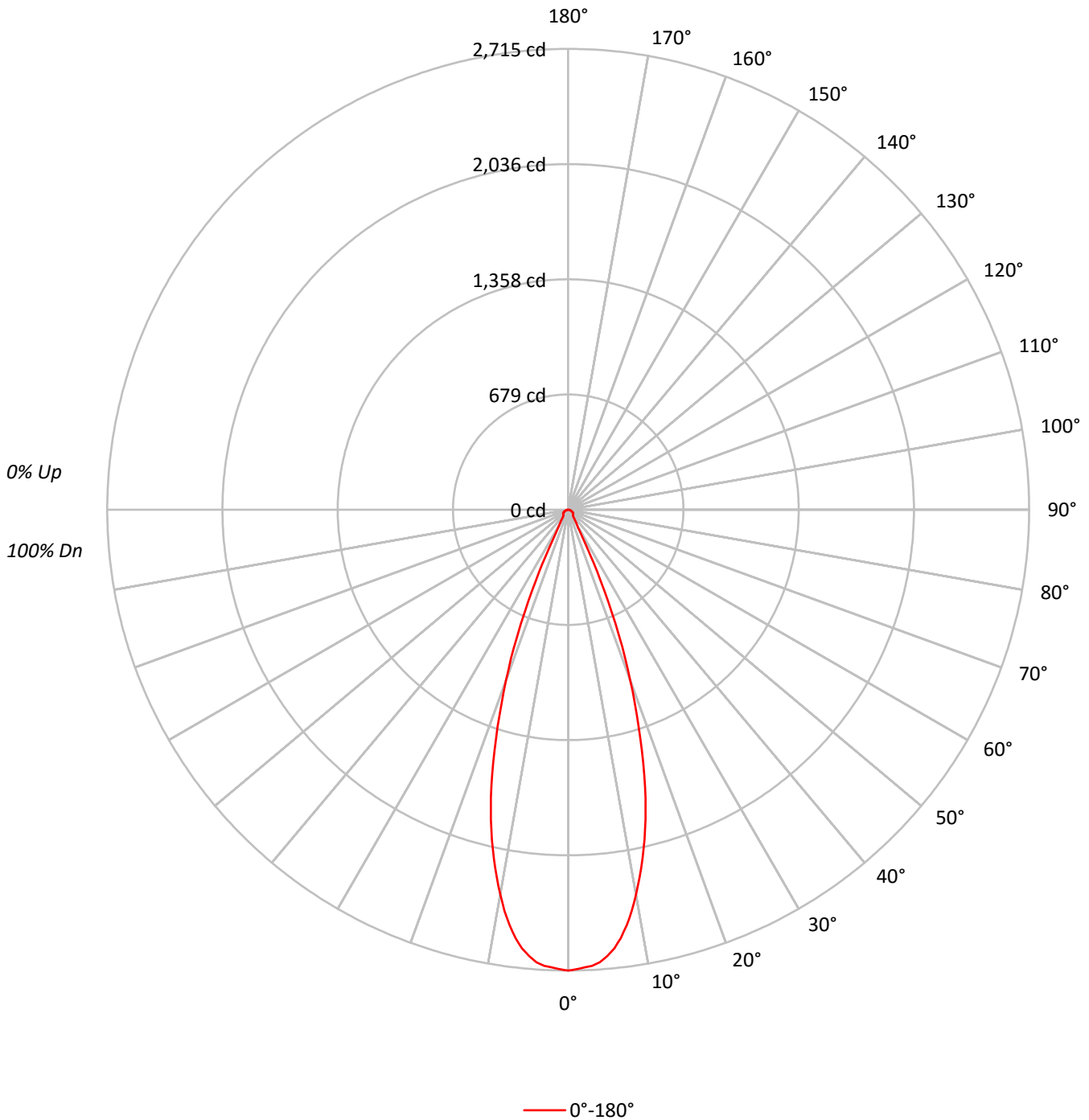
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	94	89	85	99	92	88	84	90	87	83		88	85	83		87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79		85	81	79		83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72		79	75	72		78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67		73	70	67		73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

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

	0°
0°	595413
5°	581310
10°	512772
15°	399003
20°	249245
25°	97312
30°	26536
35°	15526
40°	12423
45°	12590
50°	13270
55°	13572
60°	13332
65°	12297
70°	10450
75°	9574
80°	10607
85°	9812



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.4	22.8
10°-20°	471.1	44.5
20°-30°	202.1	19.1
30°-40°	39.9	3.8
40°-50°	31.6	3.0
50°-60°	31.5	3.0
60°-70°	23.3	2.2
70°-80°	12.5	1.2
80°-90°	4.4	0.4
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°	914.5	86.5
0°-40°	954.4	90.2
0°-60°	1017.4	96.2
0°-90°	1057.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2715	
5°	2641	241
15°	1758	471
25°	402	202
35°	58	40
45°	41	32
55°	36	31
65°	24	23
75°	11	12
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2715.3
1°	2707.4
2°	2698.9
3°	2691.0
4°	2672.4
5°	2640.9
6°	2598.7
7°	2543.4
8°	2473.0
9°	2393.6
10°	2302.9
11°	2206.0
12°	2105.2
13°	1995.9
14°	1881.0
15°	1757.6
16°	1625.8
17°	1487.2
18°	1344.1
19°	1203.8
20°	1068.1
21°	939.1
22°	800.5
23°	658.5
24°	523.3
25°	402.2
26°	296.9
27°	210.1
28°	149.8
29°	118.9
30°	104.8
32.5°	79.4
35°	58.0
37.5°	47.3
40°	43.4
42.5°	41.7
45°	40.6
47.5°	40.0
50°	38.9
52.5°	37.2
55°	35.5
57.5°	33.2
60°	30.4
62.5°	27.6
65°	23.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	19.7
70°	16.3
72.5°	13.5
75°	11.3
77.5°	10.1
80°	8.4
82.5°	6.2
85°	3.9
87.5°	1.7
90°	0.0

(END OF REPORT)