

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: P220530

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)  
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-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 1498.5 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

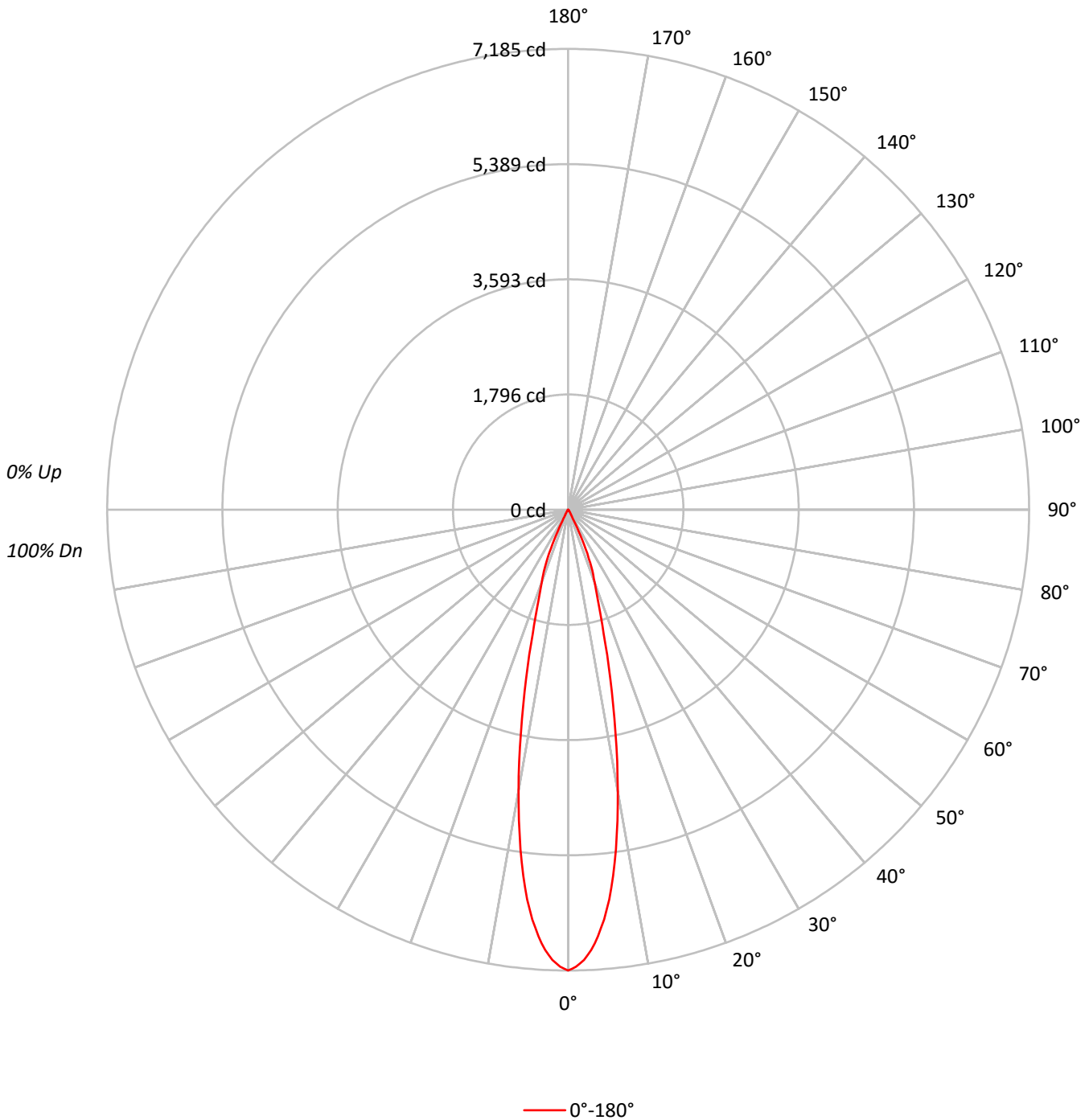
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88		92	89	87		91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85		89	87	84		88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80	77	75	74

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

	0°
0°	1575444
5°	1411795
10°	991854
15°	532262
20°	280001
25°	125160
30°	24206
35°	8887
40°	5067
45°	4186
50°	3548
55°	2791
60°	2281
65°	1608
70°	641
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	548.7	36.6
10°-20°	661.3	44.1
20°-30°	241.3	16.1
30°-40°	26.7	1.8
40°-50°	10.5	0.7
50°-60°	6.6	0.4
60°-70°	3.1	0.2
70°-80°	0.4	0.0
80°-90°	0.0	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°	1451.3	96.9
0°-40°	1477.9	98.6
0°-60°	1495.0	99.8
0°-90°	1498.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7185	
5°	6414	549
15°	2345	661
25°	517	241
35°	33	27
45°	14	10
55°	7	7
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7184.6
1°	7126.4
2°	7024.6
3°	6875.0
4°	6668.3
5°	6413.8
6°	6109.4
7°	5752.0
8°	5346.9
9°	4907.5
10°	4454.5
11°	3998.5
12°	3546.6
13°	3119.6
14°	2712.4
15°	2344.6
16°	2007.0
17°	1731.7
18°	1508.4
19°	1331.8
20°	1199.9
21°	1091.8
22°	968.2
23°	821.7
24°	669.0
25°	517.3
26°	372.9
27°	244.1
28°	153.7
29°	112.2
30°	95.6
32.5°	64.4
35°	33.2
37.5°	21.8
40°	17.7
42.5°	15.6
45°	13.5
47.5°	11.4
50°	10.4
52.5°	8.3
55°	7.3
57.5°	6.2
60°	5.2
62.5°	4.2
65°	3.1



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)