

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: P220555

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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]-LED4080-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 741.9 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

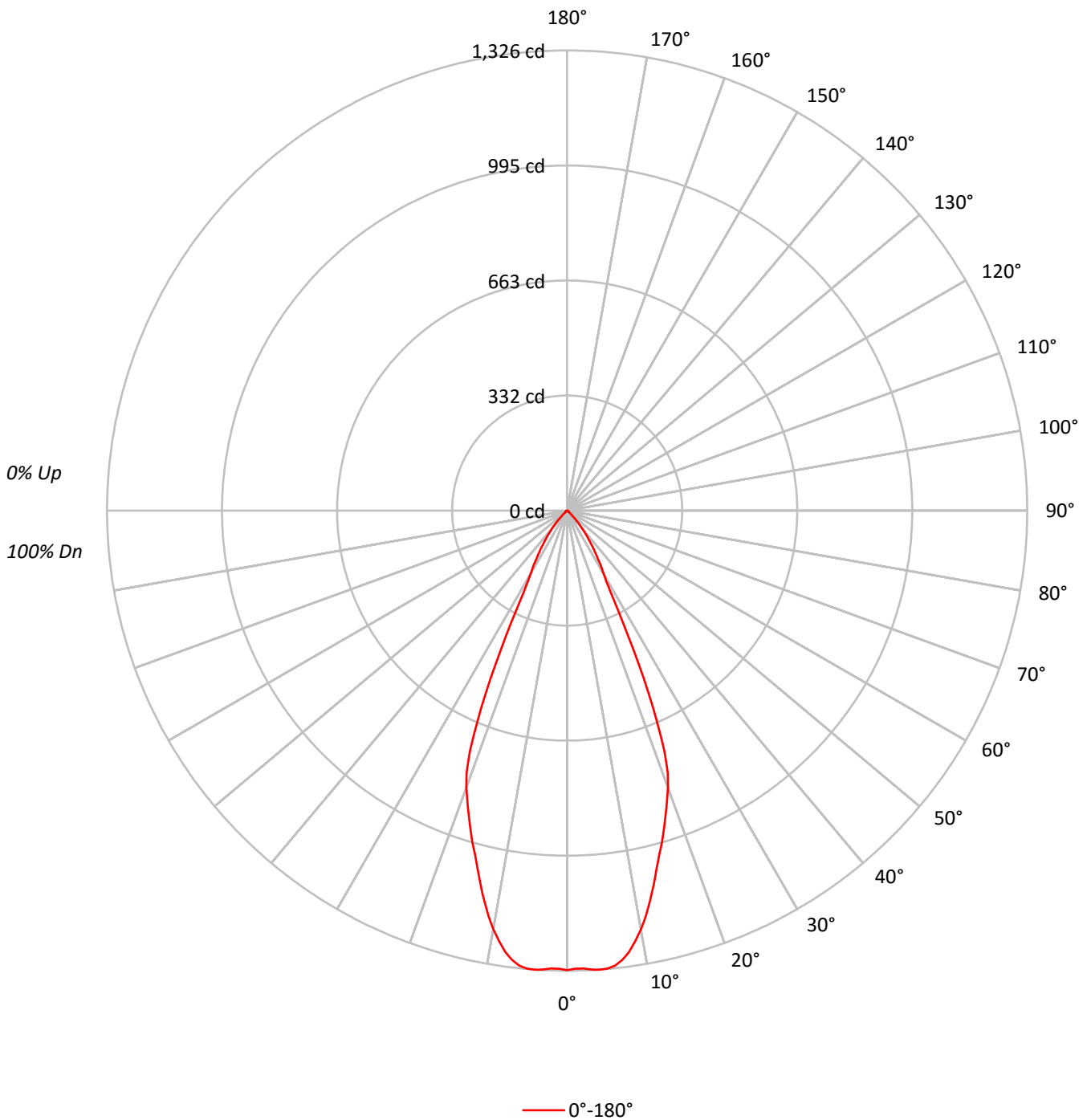
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	105	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75		81	77	74		80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67		74	70	67		73	69	67	66
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70	66	64	63
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67	64	61	60

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

	0°
0°	290371
5°	291613
10°	272763
15°	233032
20°	198047
25°	117684
30°	53553
35°	33970
40°	19236
45°	7071
50°	2217
55°	1644
60°	1447
65°	830
70°	321
75°	424
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	16.6
10°-20°	286.9	38.7
20°-30°	222.7	30.0
30°-40°	81.2	10.9
40°-50°	21.5	2.9
50°-60°	4.0	0.5
60°-70°	1.8	0.2
70°-80°	0.5	0.1
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°	633.0	85.3
0°-40°	714.2	96.3
0°-60°	739.7	99.7
0°-90°	741.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1324	
5°	1325	123
15°	1026	287
25°	486	223
35°	127	81
45°	23	21
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1324.2
1°	1320.4
2°	1320.4
3°	1324.2
4°	1326.4
5°	1324.8
6°	1318.3
7°	1304.7
8°	1283.6
9°	1255.9
10°	1225.0
11°	1189.2
12°	1149.6
13°	1107.9
14°	1065.0
15°	1026.5
16°	991.8
17°	954.9
18°	919.7
19°	883.9
20°	848.7
21°	809.6
22°	747.8
23°	666.5
24°	578.1
25°	486.4
26°	400.2
27°	323.2
28°	265.2
29°	232.1
30°	211.5
32.5°	166.5
35°	126.9
37.5°	95.4
40°	67.2
42.5°	44.5
45°	22.8
47.5°	10.3
50°	6.5
52.5°	4.9
55°	4.3
57.5°	3.8
60°	3.3
62.5°	2.2
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)