

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: P220481

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220481  
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]-LED3097-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1325.1 lumens  
Efficiency: N/A  
Efficacy: 65.9 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

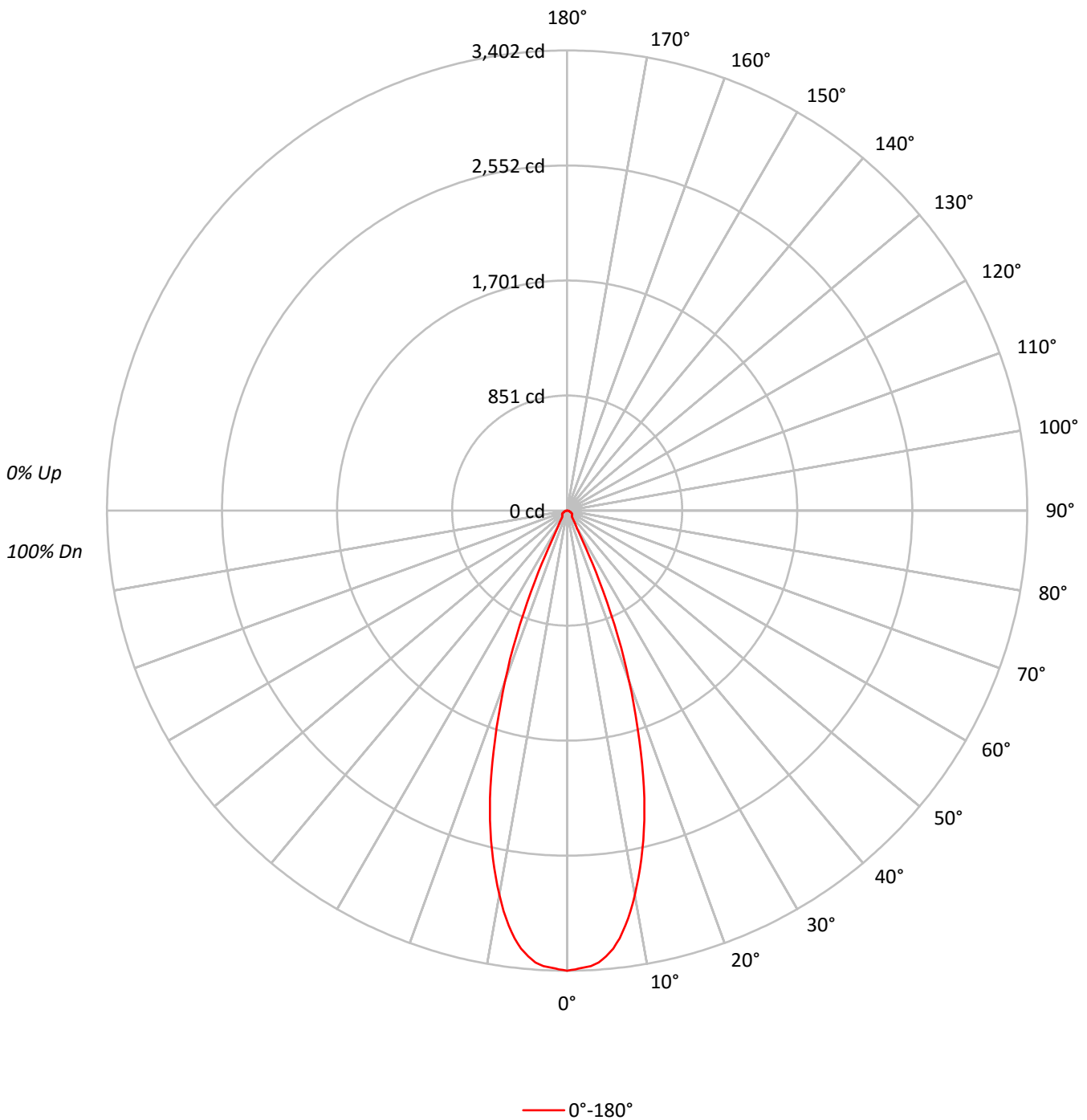
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	746015
5°	728371
10°	642495
15°	499935
20°	312297
25°	121943
30°	33246
35°	19461
40°	15543
45°	15754
50°	16614
55°	17013
60°	16709
65°	15358
70°	13143
75°	11946
80°	13386
85°	12328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.4	22.8
10°-20°	590.2	44.5
20°-30°	253.2	19.1
30°-40°	50.0	3.8
40°-50°	39.6	3.0
50°-60°	39.4	3.0
60°-70°	29.2	2.2
70°-80°	15.6	1.2
80°-90°	5.5	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°	1145.9	86.5
0°-40°	1195.8	90.2
0°-60°	1274.8	96.2
0°-90°	1325.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3402	
5°	3309	302
15°	2202	590
25°	504	253
35°	73	50
45°	51	40
55°	44	39
65°	30	29
75°	14	16
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3402.1
1°	3392.3
2°	3381.7
3°	3371.8
4°	3348.5
5°	3309.0
6°	3256.0
7°	3186.9
8°	3098.6
9°	2999.1
10°	2885.5
11°	2764.1
12°	2637.7
13°	2500.8
14°	2356.8
15°	2202.2
16°	2037.0
17°	1863.4
18°	1684.1
19°	1508.4
20°	1338.3
21°	1176.6
22°	1003.0
23°	825.1
24°	655.7
25°	504.0
26°	372.0
27°	263.3
28°	187.8
29°	148.9
30°	131.3
32.5°	99.5
35°	72.7
37.5°	59.3
40°	54.3
42.5°	52.2
45°	50.8
47.5°	50.1
50°	48.7
52.5°	46.6
55°	44.5
57.5°	41.6
60°	38.1
62.5°	34.6
65°	29.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.7
70°	20.5
72.5°	16.9
75°	14.1
77.5°	12.7
80°	10.6
82.5°	7.8
85°	4.9
87.5°	2.1
90°	0.0

(END OF REPORT)