

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: P220456

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
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-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 661.9 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

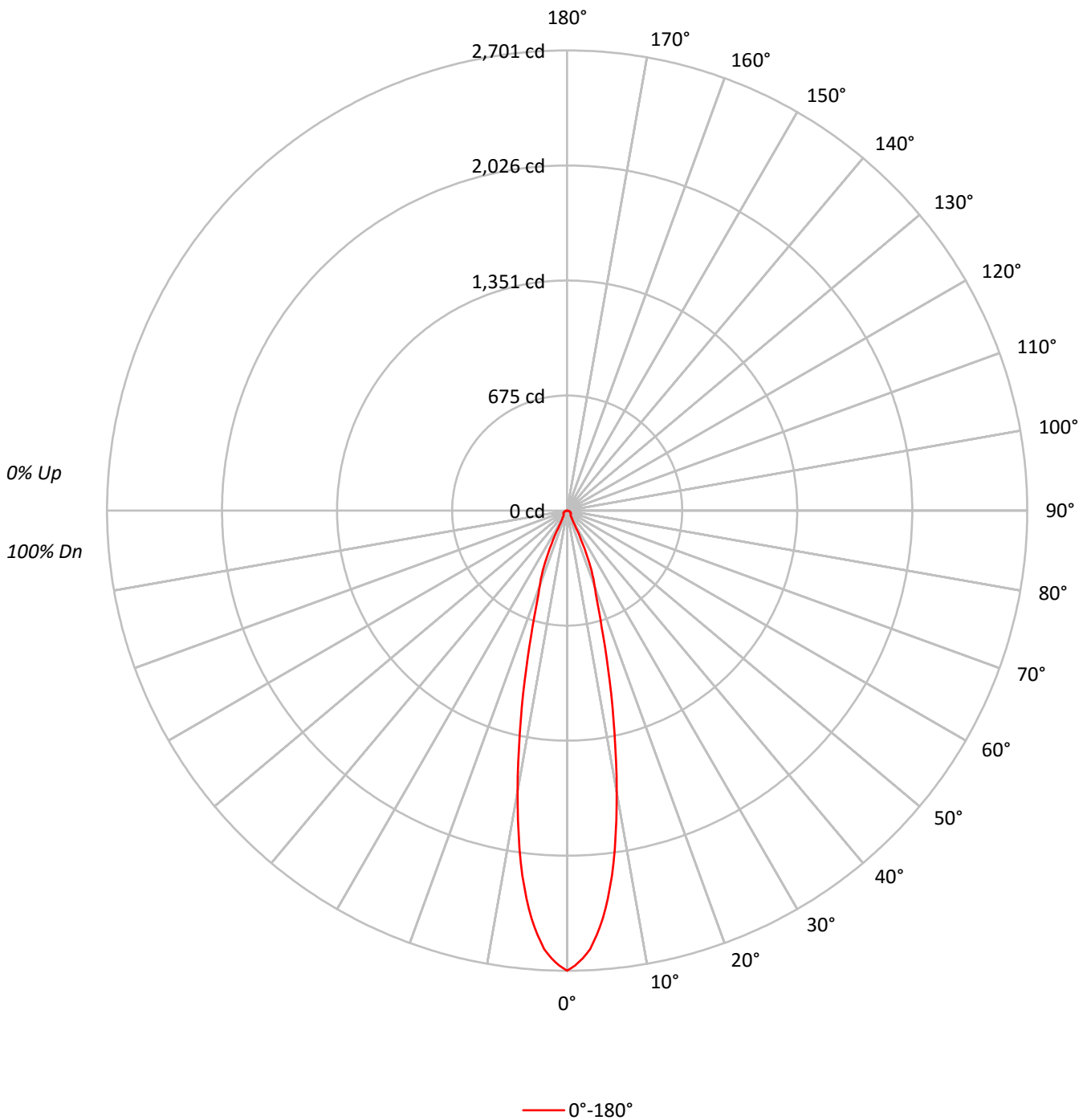
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	100	97	94	97	94	92	94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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

	0°
0°	592233
5°	529098
10°	373028
15°	202725
20°	109676
25°	52334
30°	15116
35°	9824
40°	8988
45°	9272
50°	9791
55°	10399
60°	10218
65°	9755
70°	8078
75°	7117
80°	8208
85°	7799



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.8	31.1
10°-20°	252.0	38.1
20°-30°	100.8	15.2
30°-40°	25.2	3.8
40°-50°	23.2	3.5
50°-60°	23.9	3.6
60°-70°	18.2	2.7
70°-80°	9.4	1.4
80°-90°	3.4	0.5
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°	558.6	84.4
0°-40°	583.9	88.2
0°-60°	631.0	95.3
0°-90°	661.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2701	
5°	2404	206
15°	893	252
25°	216	101
35°	37	25
45°	30	23
55°	27	24
65°	19	18
75°	8	9
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2700.8
1°	2670.9
2°	2630.7
3°	2578.3
4°	2496.4
5°	2403.7
6°	2287.8
7°	2159.1
8°	2007.6
9°	1842.2
10°	1675.3
11°	1505.4
12°	1338.1
13°	1182.0
14°	1031.2
15°	893.0
16°	767.8
17°	666.0
18°	582.9
19°	518.3
20°	470.0
21°	429.5
22°	383.1
23°	329.9
24°	272.5
25°	216.3
26°	161.9
27°	115.6
28°	81.5
29°	65.8
30°	59.7
32.5°	47.8
35°	36.7
37.5°	32.9
40°	31.4
42.5°	30.6
45°	29.9
47.5°	29.5
50°	28.7
52.5°	28.3
55°	27.2
57.5°	25.3
60°	23.3
62.5°	21.4
65°	18.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	15.3
70°	12.6
72.5°	10.0
75°	8.4
77.5°	7.7
80°	6.5
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)