

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: P220689

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220689  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)  
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]-FL-LED3097-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1261.3 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

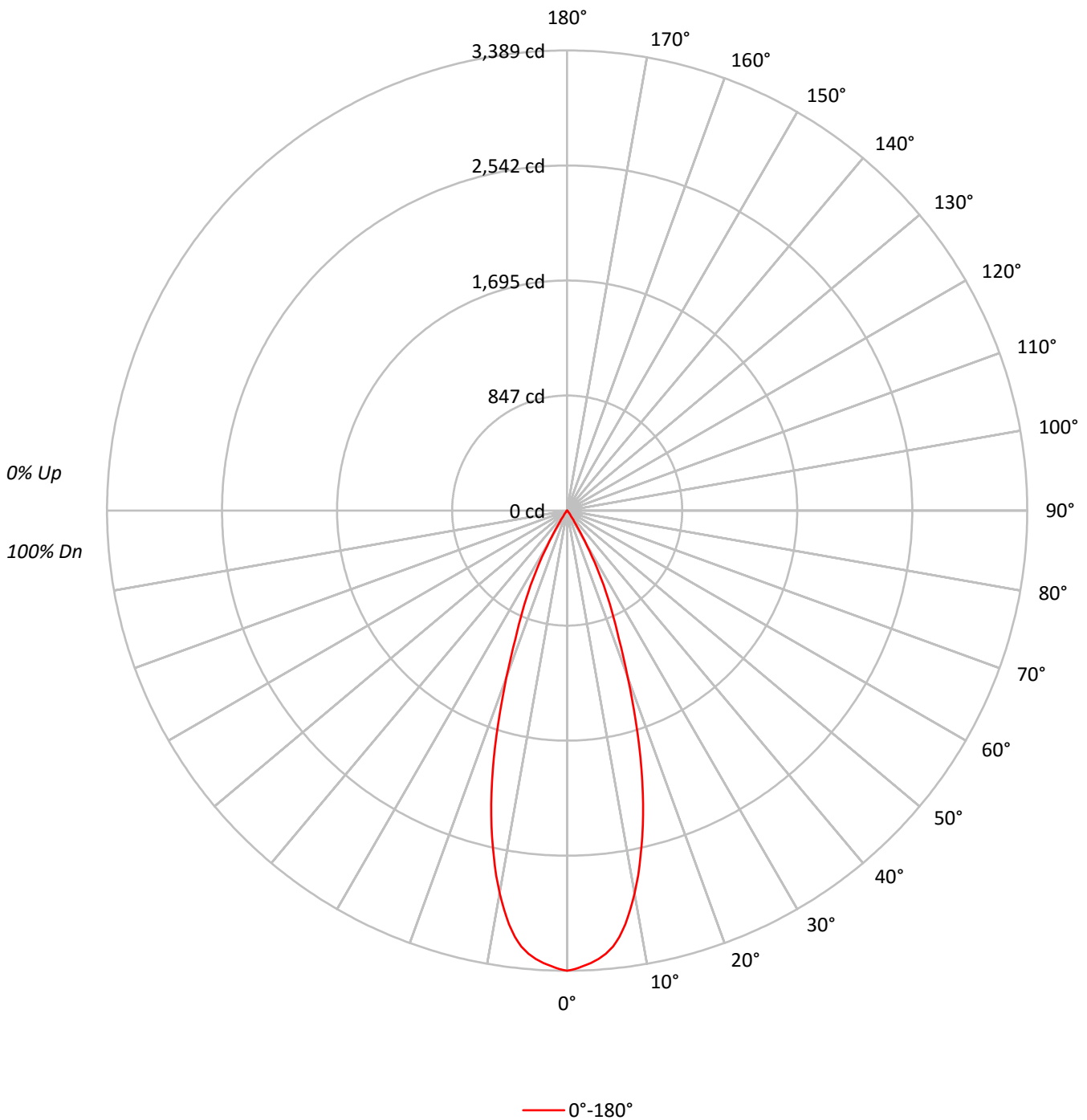
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	85	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	73
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68

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

	0°
0°	743076
5°	721064
10°	637463
15°	489515
20°	304713
25°	171808
30°	65225
35°	13974
40°	5467
45°	1737
50°	1433
55°	1070
60°	921
65°	1090
70°	898
75°	1186
80°	884
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.9	23.8
10°-20°	578.6	45.9
20°-30°	322.6	25.6
30°-40°	48.8	3.9
40°-50°	5.4	0.4
50°-60°	2.7	0.2
60°-70°	1.8	0.1
70°-80°	1.2	0.1
80°-90°	0.3	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°	1201.1	95.2
0°-40°	1249.9	99.1
0°-60°	1258.0	99.7
0°-90°	1261.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3389	
5°	3276	300
15°	2156	579
25°	710	323
35°	52	49
45°	6	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3388.7
1°	3376.7
2°	3357.0
3°	3336.5
4°	3310.4
5°	3275.8
6°	3229.2
7°	3162.2
8°	3076.0
9°	2974.4
10°	2862.9
11°	2738.0
12°	2602.4
13°	2462.0
14°	2311.6
15°	2156.3
16°	1988.3
17°	1814.7
18°	1638.3
19°	1469.6
20°	1305.8
21°	1154.0
22°	1019.9
23°	907.0
24°	808.9
25°	710.1
26°	613.4
27°	519.5
28°	428.4
29°	340.9
30°	257.6
32.5°	103.1
35°	52.2
37.5°	32.5
40°	19.1
42.5°	7.1
45°	5.6
47.5°	4.2
50°	4.2
52.5°	3.5
55°	2.8
57.5°	2.8
60°	2.1
62.5°	2.1
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)