

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: P220665

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3597-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
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-LED3597-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 704.7 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

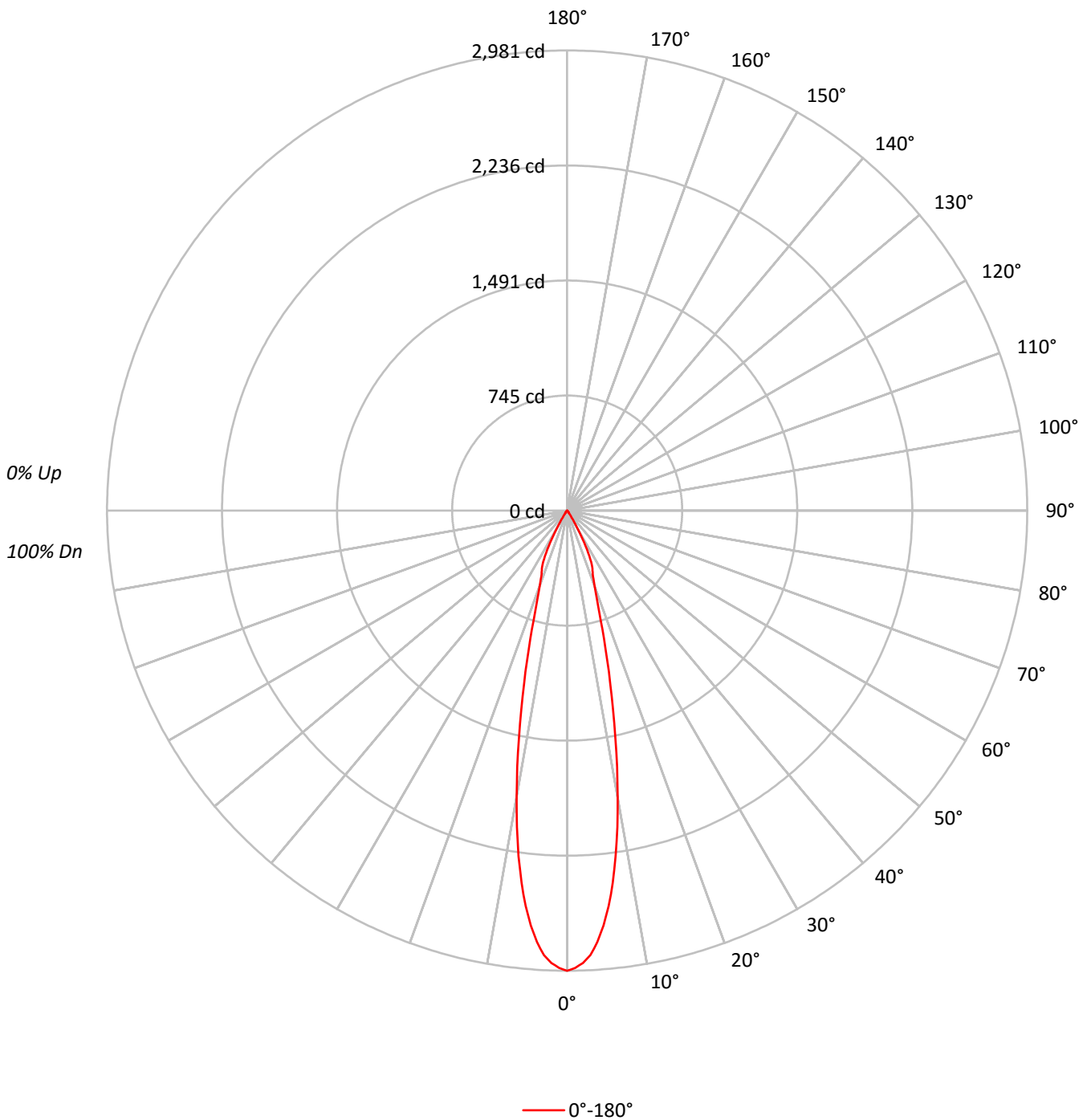
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71

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

	0°
0°	653741
5°	594033
10°	419832
15°	226880
20°	120667
25°	88771
30°	35828
35°	6853
40°	3607
45°	1613
50°	1330
55°	1147
60°	965
65°	882
70°	833
75°	763
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.2	32.8
10°-20°	282.1	40.0
20°-30°	155.3	22.0
30°-40°	25.7	3.7
40°-50°	4.7	0.7
50°-60°	2.7	0.4
60°-70°	1.7	0.2
70°-80°	0.9	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°	668.6	94.9
0°-40°	694.3	98.5
0°-60°	701.8	99.6
0°-90°	704.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2981	
5°	2699	231
15°	999	282
25°	367	155
35°	26	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2981.3
1°	2963.1
2°	2932.3
3°	2883.6
4°	2801.2
5°	2698.7
6°	2575.0
7°	2427.8
8°	2260.2
9°	2076.6
10°	1885.5
11°	1692.8
12°	1503.5
13°	1322.4
14°	1155.3
15°	999.4
16°	864.8
17°	743.7
18°	649.1
19°	573.5
20°	517.1
21°	474.1
22°	442.8
23°	420.7
24°	398.6
25°	366.9
26°	327.4
27°	283.1
28°	234.9
29°	187.6
30°	141.5
32.5°	51.2
35°	25.6
37.5°	18.2
40°	12.6
42.5°	6.5
45°	5.2
47.5°	4.8
50°	3.9
52.5°	3.5
55°	3.0
57.5°	2.6
60°	2.2
62.5°	2.2
65°	1.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)