

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: P220491

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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]-LED3597-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 738.9 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

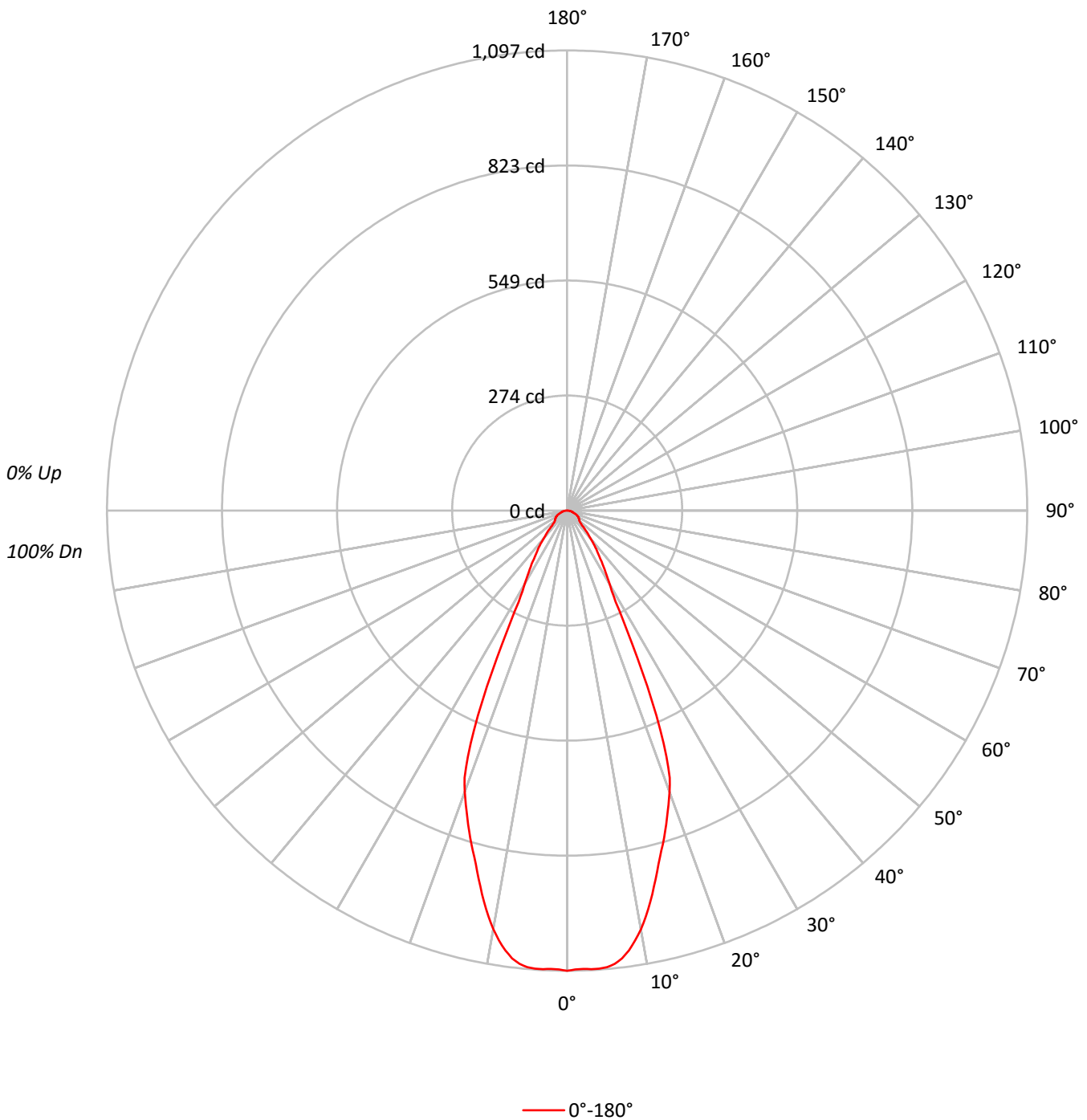
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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

	0°
0°	240573
5°	240435
10°	225625
15°	194076
20°	166661
25°	102635
30°	51223
35°	35924
40°	24990
45°	16033
50°	13032
55°	13266
60°	13508
65°	13075
70°	11669
75°	11014
80°	12123
85°	12077



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.9	13.8
10°-20°	239.2	32.4
20°-30°	194.2	26.3
30°-40°	85.9	11.6
40°-50°	43.0	5.8
50°-60°	31.0	4.2
60°-70°	24.5	3.3
70°-80°	14.0	1.9
80°-90°	5.2	0.7
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°	535.3	72.4
0°-40°	621.1	84.1
0°-60°	695.1	94.1
0°-90°	738.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1097	
5°	1092	102
15°	855	239
25°	424	194
35°	134	86
45°	52	43
55°	35	31
65°	25	25
75°	13	14
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1097.1
1°	1094.1
2°	1093.2
3°	1094.9
4°	1094.9
5°	1092.3
6°	1086.7
7°	1075.4
8°	1058.9
9°	1037.6
10°	1013.3
11°	985.1
12°	953.8
13°	920.0
14°	886.5
15°	854.9
16°	827.5
17°	798.8
18°	770.2
19°	741.5
20°	714.2
21°	682.5
22°	632.6
23°	568.3
24°	498.0
25°	424.2
26°	354.7
27°	293.1
28°	246.2
29°	219.2
30°	202.3
32.5°	165.8
35°	134.2
37.5°	110.7
40°	87.3
42.5°	69.0
45°	51.7
47.5°	41.7
50°	38.2
52.5°	36.5
55°	34.7
57.5°	32.6
60°	30.8
62.5°	28.2
65°	25.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.3
70°	18.2
72.5°	14.8
75°	13.0
77.5°	11.3
80°	9.6
82.5°	7.4
85°	4.8
87.5°	2.2
90°	0.0

(END OF REPORT)