

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: P220465

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220465  
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]-LED3597-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1384.5 lumens  
Efficiency: N/A  
Efficacy: 68.9 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

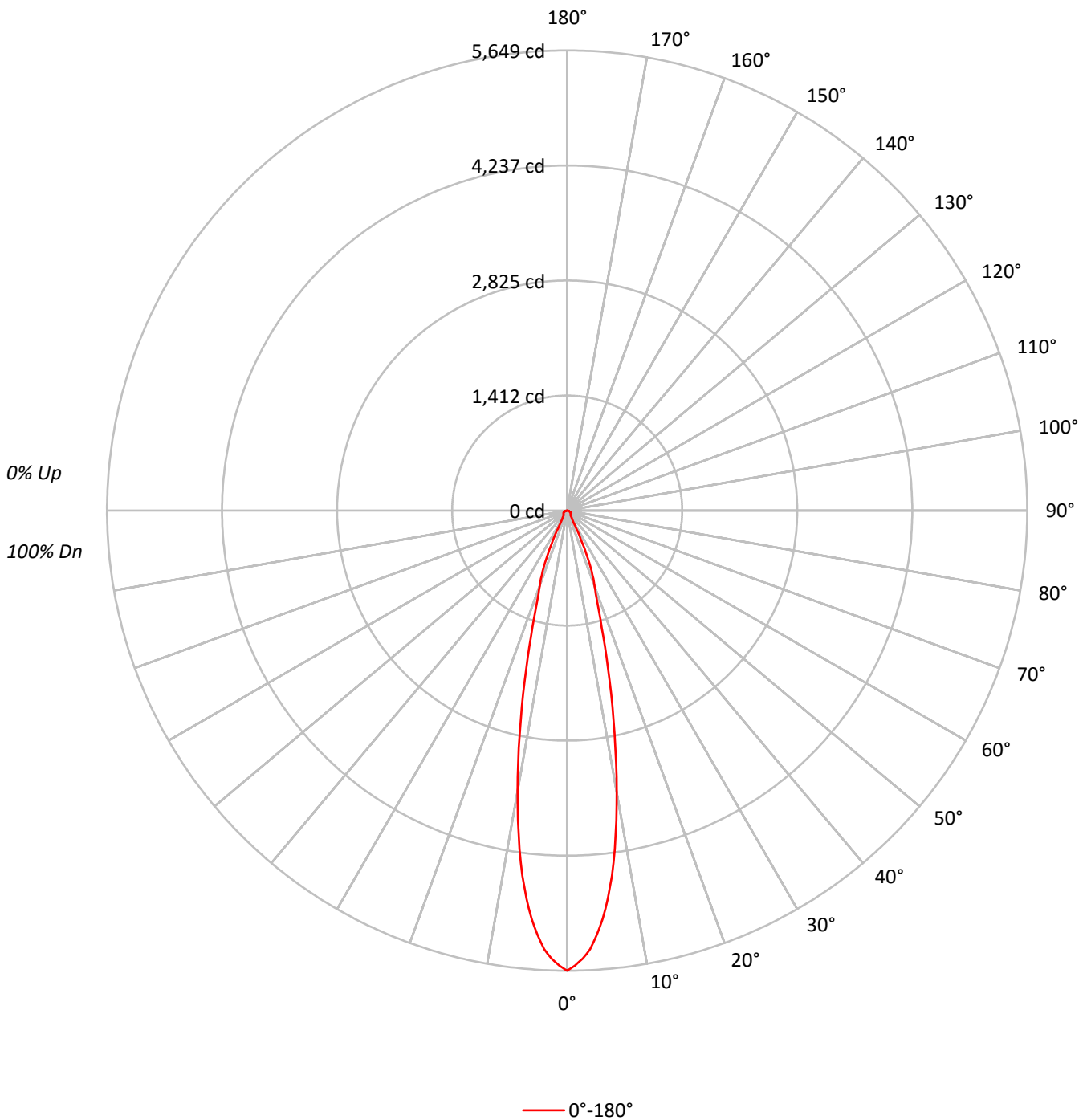
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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		77	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°	1238760
5°	1106733
10°	780279
15°	424021
20°	229433
25°	109434
30°	31625
35°	20586
40°	18807
45°	19351
50°	20468
55°	21715
60°	21402
65°	20339
70°	16926
75°	14911
80°	17174
85°	16102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.5	31.1
10°-20°	527.1	38.1
20°-30°	210.8	15.2
30°-40°	52.8	3.8
40°-50°	48.5	3.5
50°-60°	50.0	3.6
60°-70°	38.0	2.7
70°-80°	19.6	1.4
80°-90°	7.1	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°	1168.5	84.4
0°-40°	1221.3	88.2
0°-60°	1319.8	95.3
0°-90°	1384.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1384.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5649	
5°	5028	431
15°	1868	527
25°	452	211
35°	77	53
45°	62	49
55°	57	50
65°	39	38
75°	18	20
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5649.2
1°	5586.7
2°	5502.6
3°	5393.0
4°	5221.6
5°	5027.9
6°	4785.3
7°	4516.3
8°	4199.2
9°	3853.4
10°	3504.3
11°	3148.8
12°	2799.0
13°	2472.3
14°	2156.9
15°	1867.8
16°	1606.0
17°	1393.1
18°	1219.3
19°	1084.0
20°	983.2
21°	898.3
22°	801.4
23°	690.1
24°	570.0
25°	452.3
26°	338.7
27°	241.8
28°	170.5
29°	137.7
30°	124.9
32.5°	100.1
35°	76.9
37.5°	68.9
40°	65.7
42.5°	64.0
45°	62.4
47.5°	61.6
50°	60.0
52.5°	59.2
55°	56.8
57.5°	52.8
60°	48.8
62.5°	44.8
65°	39.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	32.0
70°	26.4
72.5°	20.8
75°	17.6
77.5°	16.0
80°	13.6
82.5°	9.6
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)