

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: P220567

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1095.5 lumens  
Efficiency: N/A  
Efficacy: 54.5 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

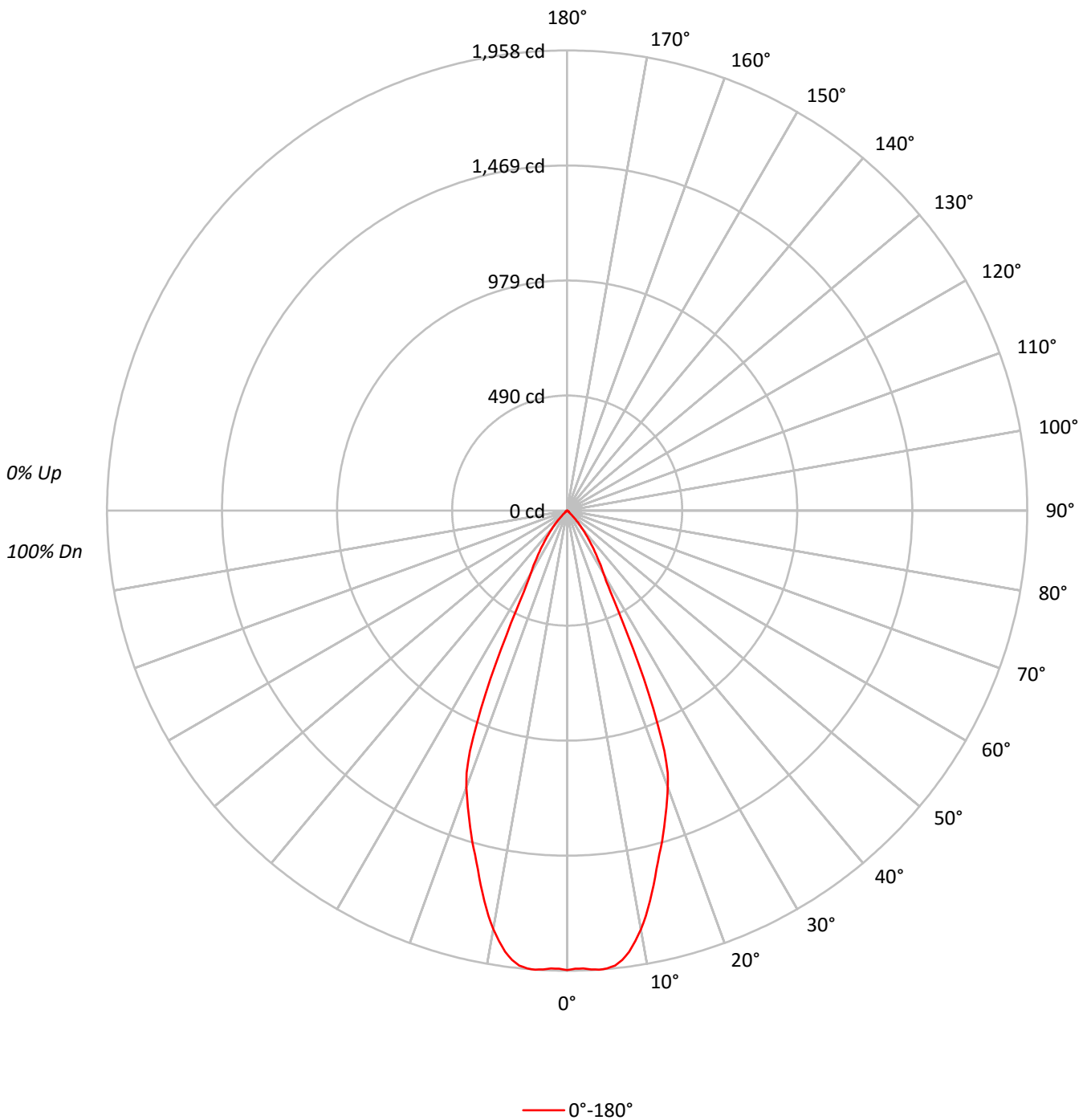
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	105	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75		81	77	74		80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67		74	70	67		73	69	67	66
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70	66	64	63
10	78	70	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	60

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

	0°
0°	428716
5°	430529
10°	402709
15°	344066
20°	292392
25°	173768
30°	79050
35°	50139
40°	28425
45°	10420
50°	3275
55°	2447
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.2	16.6
10°-20°	423.6	38.7
20°-30°	328.9	30.0
30°-40°	119.9	10.9
40°-50°	31.7	2.9
50°-60°	5.9	0.5
60°-70°	2.7	0.2
70°-80°	0.7	0.1
80°-90°	0.0	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°	934.6	85.3
0°-40°	1054.5	96.3
0°-60°	1092.1	99.7
0°-90°	1095.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1095.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1955	
5°	1956	182
15°	1516	424
25°	718	329
35°	187	120
45°	34	32
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1955.1
1°	1949.5
2°	1949.5
3°	1955.1
4°	1958.3
5°	1955.9
6°	1946.3
7°	1926.3
8°	1895.1
9°	1854.2
10°	1808.6
11°	1755.8
12°	1697.3
13°	1635.7
14°	1572.4
15°	1515.6
16°	1464.3
17°	1409.9
18°	1357.8
19°	1305.0
20°	1253.0
21°	1195.3
22°	1104.1
23°	984.0
24°	853.5
25°	718.2
26°	590.9
27°	477.2
28°	391.5
29°	342.7
30°	312.2
32.5°	245.8
35°	187.3
37.5°	140.9
40°	99.3
42.5°	65.7
45°	33.6
47.5°	15.2
50°	9.6
52.5°	7.2
55°	6.4
57.5°	5.6
60°	4.8
62.5°	3.2
65°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)