

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: P220495

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220495  
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]-LED3590-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1375.5 lumens  
Efficiency: N/A  
Efficacy: 68.4 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

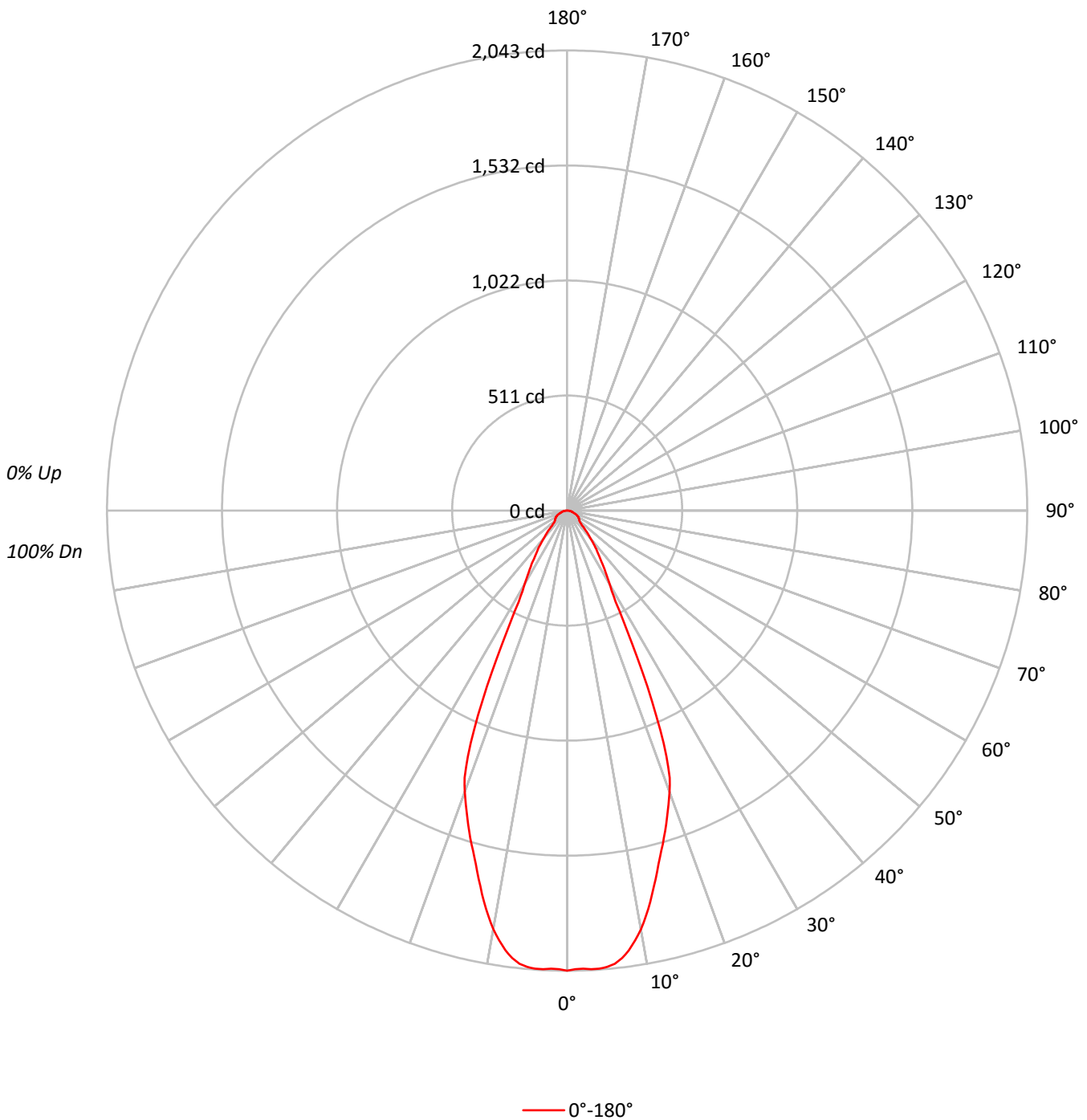
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	447903
5°	447677
10°	420077
15°	361319
20°	310290
25°	191067
30°	95382
35°	66870
40°	46516
45°	29833
50°	24255
55°	24735
60°	25173
65°	24335
70°	21734
75°	20503
80°	22478
85°	22392



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.6	13.8
10°-20°	445.4	32.4
20°-30°	361.5	26.3
30°-40°	159.9	11.6
40°-50°	80.1	5.8
50°-60°	57.6	4.2
60°-70°	45.7	3.3
70°-80°	26.0	1.9
80°-90°	9.7	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°	996.5	72.5
0°-40°	1156.4	84.1
0°-60°	1294.2	94.1
0°-90°	1375.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1375.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2043	
5°	2034	190
15°	1592	445
25°	790	362
35°	250	160
45°	96	80
55°	65	58
65°	47	46
75°	24	26
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2042.6
1°	2037.0
2°	2035.4
3°	2038.6
4°	2038.6
5°	2033.8
6°	2023.2
7°	2002.2
8°	1971.5
9°	1931.9
10°	1886.6
11°	1834.1
12°	1775.9
13°	1712.9
14°	1650.6
15°	1591.6
16°	1540.7
17°	1487.3
18°	1434.0
19°	1380.6
20°	1329.7
21°	1270.7
22°	1177.7
23°	1058.1
24°	927.2
25°	789.7
26°	660.4
27°	545.6
28°	458.3
29°	408.2
30°	376.7
32.5°	308.8
35°	249.8
37.5°	206.1
40°	162.5
42.5°	128.5
45°	96.2
47.5°	77.6
50°	71.1
52.5°	67.9
55°	64.7
57.5°	60.6
60°	57.4
62.5°	52.5
65°	46.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	39.6
70°	33.9
72.5°	27.5
75°	24.2
77.5°	21.0
80°	17.8
82.5°	13.7
85°	8.9
87.5°	4.0
90°	0.0

(END OF REPORT)