

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: P220694

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-LED3590-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.3 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

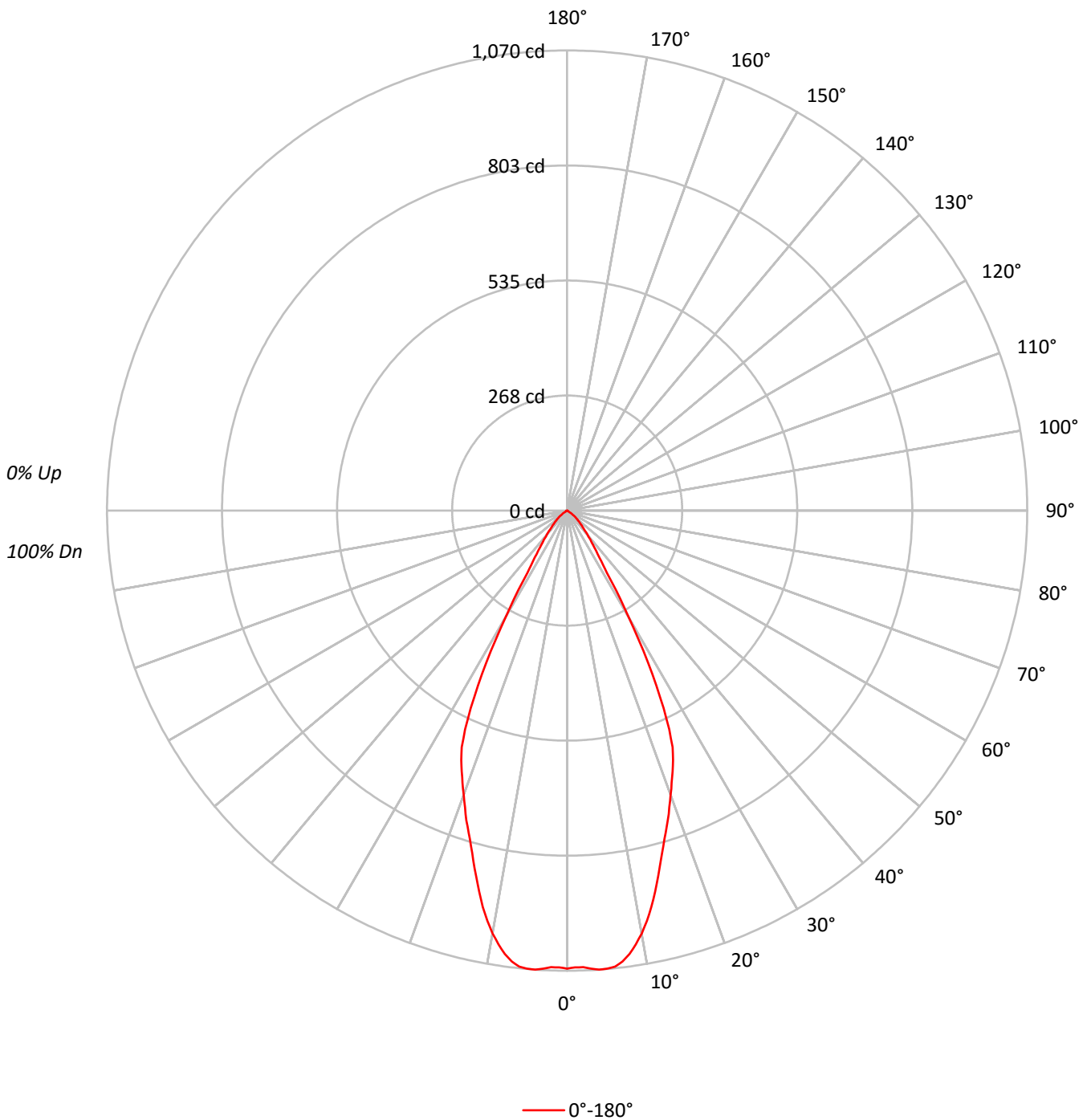
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	233578
5°	235328
10°	222329
15°	191261
20°	164164
25°	135855
30°	72467
35°	32980
40°	21068
45°	13862
50°	9722
55°	4855
60°	1140
65°	1141
70°	1154
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	14.0
10°-20°	235.6	33.0
20°-30°	240.8	33.7
30°-40°	87.2	12.2
40°-50°	35.9	5.0
50°-60°	11.6	1.6
60°-70°	2.1	0.3
70°-80°	1.0	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°	576.3	80.7
0°-40°	663.5	92.9
0°-60°	710.9	99.5
0°-90°	714.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1065	
5°	1069	100
15°	842	236
25°	562	241
35°	123	87
45°	45	36
55°	13	12
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1065.2
1°	1062.1
2°	1062.5
3°	1066.5
4°	1070.0
5°	1069.1
6°	1066.0
7°	1056.4
8°	1041.0
9°	1020.9
10°	998.5
11°	971.8
12°	942.4
13°	909.5
14°	875.4
15°	842.5
16°	810.9
17°	783.3
18°	757.9
19°	729.8
20°	703.5
21°	678.5
22°	654.0
23°	630.3
24°	602.3
25°	561.5
26°	511.5
27°	457.2
28°	399.8
29°	341.9
30°	286.2
32.5°	171.8
35°	123.2
37.5°	95.1
40°	73.6
42.5°	56.1
45°	44.7
47.5°	35.9
50°	28.5
52.5°	21.0
55°	12.7
57.5°	3.5
60°	2.6
62.5°	2.2
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	1.8
72.5°	1.3
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)