

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: P220660

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.5 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

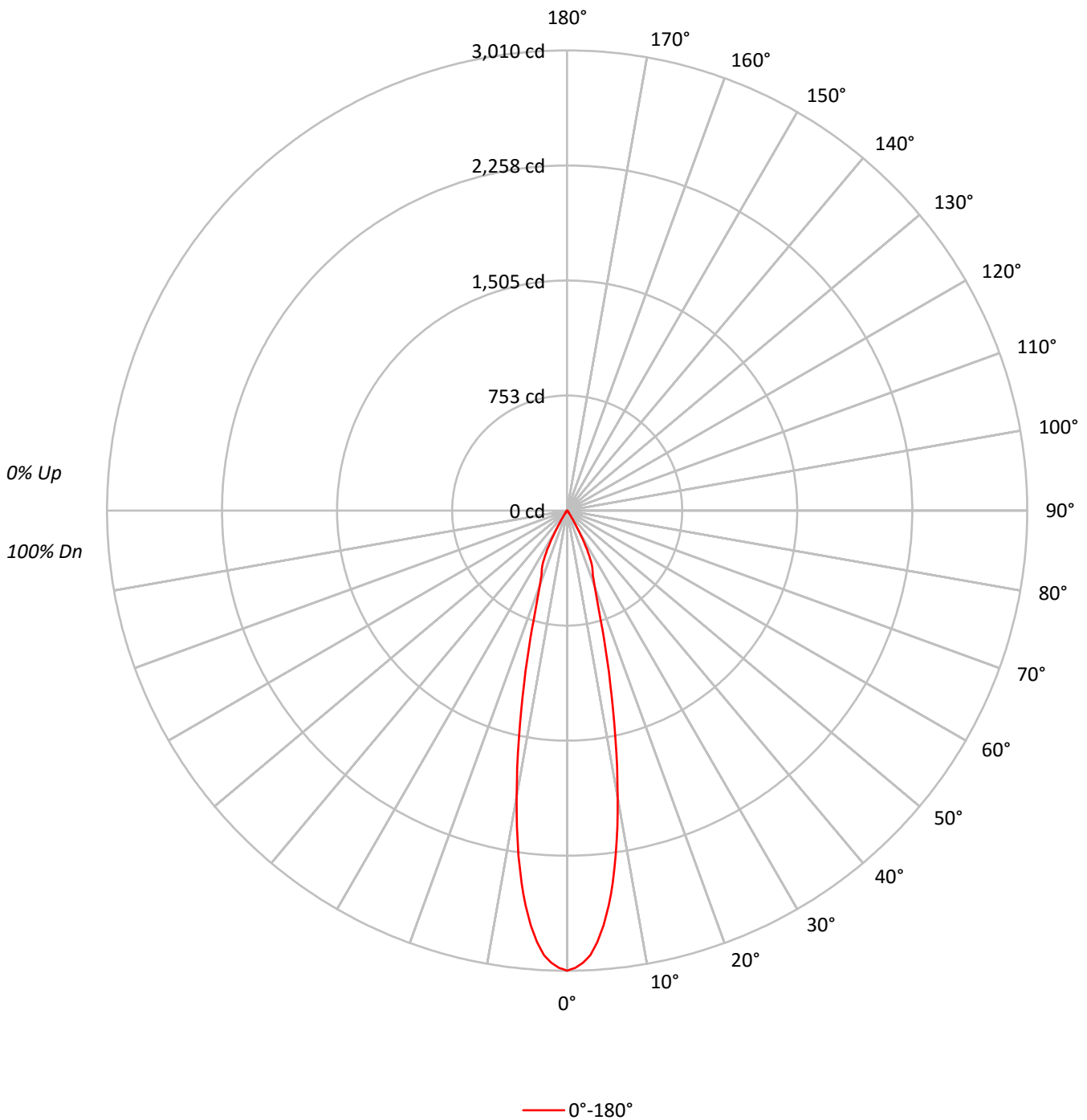
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80		85	82	79		84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77		82	79	77		82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75		80	77	74		79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72		78	74	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	660035
5°	599756
10°	423884
15°	229059
20°	121834
25°	89618
30°	36183
35°	6933
40°	3635
45°	1644
50°	1330
55°	1185
60°	965
65°	934
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	32.8
10°-20°	284.8	40.0
20°-30°	156.8	22.0
30°-40°	26.0	3.7
40°-50°	4.8	0.7
50°-60°	2.7	0.4
60°-70°	1.7	0.2
70°-80°	0.9	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°	675.0	94.9
0°-40°	701.0	98.5
0°-60°	708.5	99.6
0°-90°	711.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3010	
5°	2725	233
15°	1009	285
25°	370	157
35°	26	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3010.0
1°	2991.6
2°	2960.5
3°	2911.4
4°	2828.1
5°	2724.7
6°	2599.8
7°	2451.2
8°	2282.0
9°	2096.6
10°	1903.7
11°	1709.1
12°	1518.0
13°	1335.2
14°	1166.4
15°	1009.0
16°	873.2
17°	750.9
18°	655.3
19°	579.0
20°	522.1
21°	478.7
22°	447.1
23°	424.7
24°	402.4
25°	370.4
26°	330.5
27°	285.8
28°	237.1
29°	189.4
30°	142.9
32.5°	51.7
35°	25.9
37.5°	18.4
40°	12.7
42.5°	6.6
45°	5.3
47.5°	4.8
50°	3.9
52.5°	3.5
55°	3.1
57.5°	2.6
60°	2.2
62.5°	2.2
65°	1.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)