

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: P220682

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3597-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-LED3597-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 775.9 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

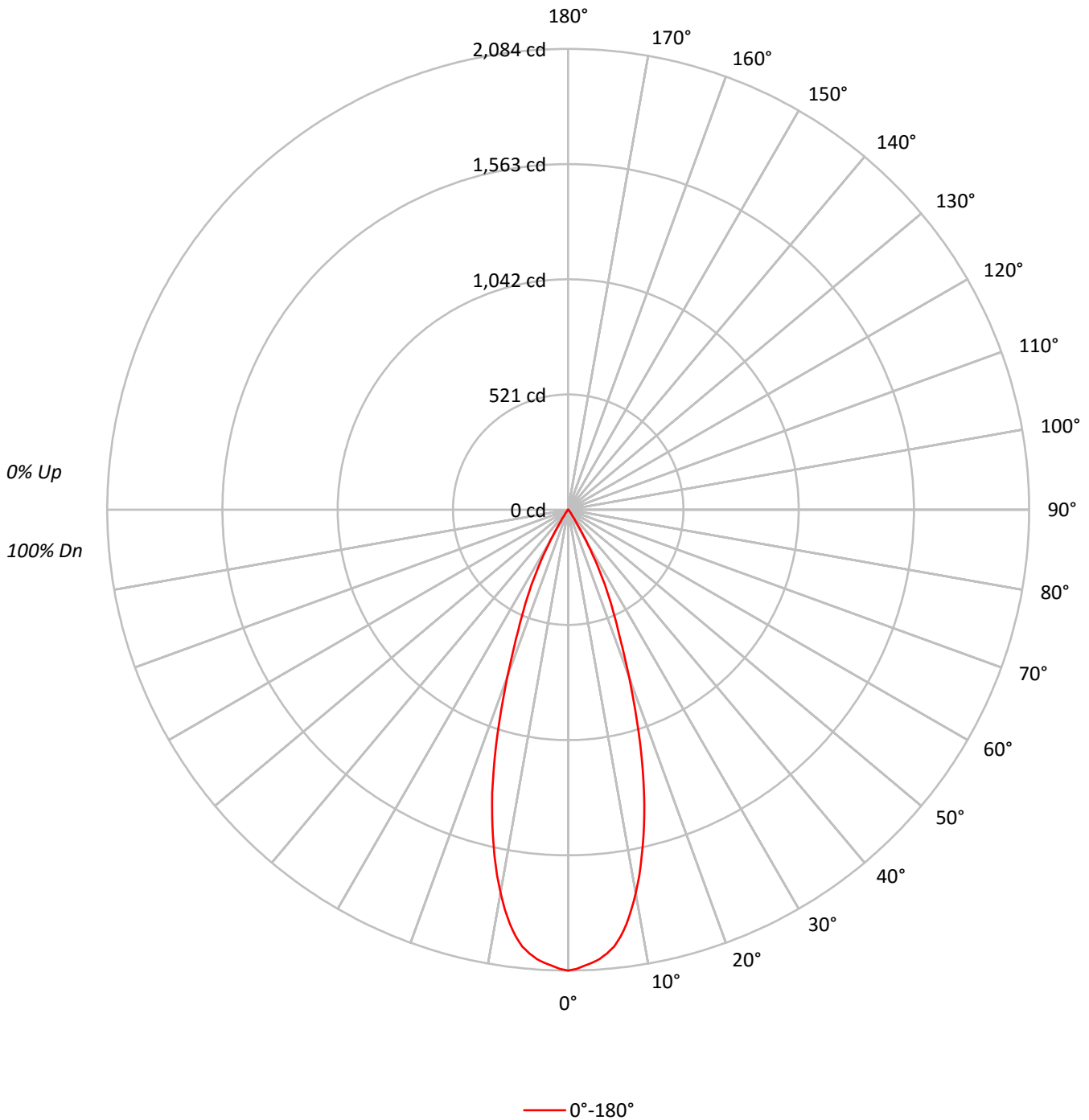
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457069
5°	443516
10°	392088
15°	301091
20°	187430
25°	105684
30°	40133
35°	8593
40°	3349
45°	1085
50°	887
55°	650
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	23.8
10°-20°	355.9	45.9
20°-30°	198.5	25.6
30°-40°	30.0	3.9
40°-50°	3.3	0.4
50°-60°	1.7	0.2
60°-70°	1.1	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	738.8	95.2
0°-40°	768.8	99.1
0°-60°	773.8	99.7
0°-90°	775.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2084	
5°	2015	184
15°	1326	356
25°	437	198
35°	32	30
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2084.4
1°	2077.0
2°	2064.8
3°	2052.2
4°	2036.2
5°	2014.9
6°	1986.3
7°	1945.0
8°	1892.0
9°	1829.5
10°	1760.9
11°	1684.1
12°	1600.7
13°	1514.3
14°	1421.9
15°	1326.3
16°	1223.0
17°	1116.2
18°	1007.7
19°	903.9
20°	803.2
21°	709.8
22°	627.4
23°	557.9
24°	497.5
25°	436.8
26°	377.3
27°	319.5
28°	263.5
29°	209.7
30°	158.5
32.5°	63.4
35°	32.1
37.5°	20.0
40°	11.7
42.5°	4.3
45°	3.5
47.5°	2.6
50°	2.6
52.5°	2.2
55°	1.7
57.5°	1.7
60°	1.3
62.5°	1.3
65°	1.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)