

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: P220678

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220678
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-LED4080-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 969.1 lumens
Efficiency: N/A
Efficacy: 98.9 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

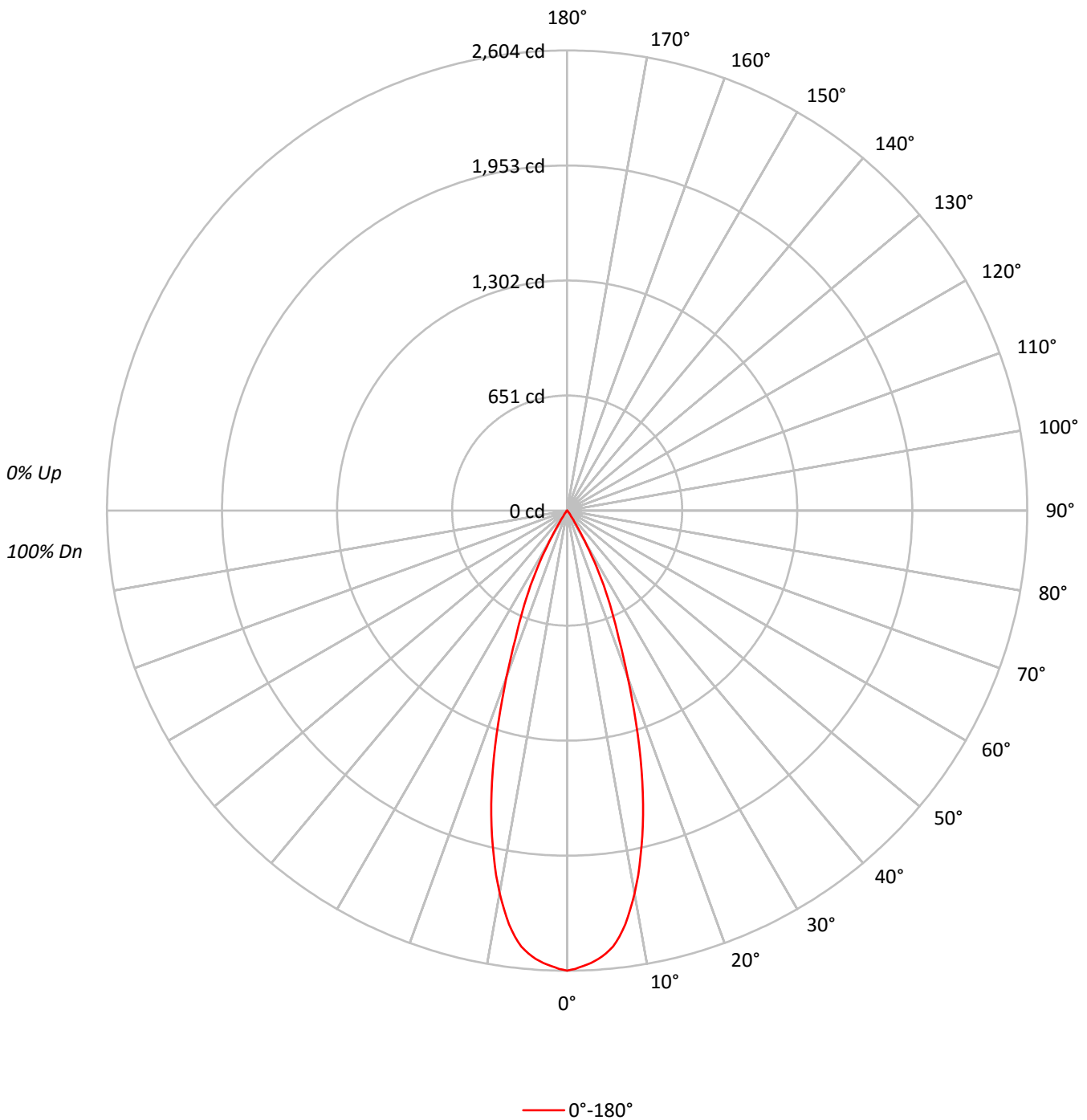
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96				96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92				92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88				88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85				85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81				81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78				78
7	93	85	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75				75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	73				73
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70				70
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68				68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	570897
5°	553972
10°	489748
15°	376098
20°	234100
25°	131983
30°	50109
35°	10734
40°	4179
45°	1333
50°	1126
55°	841
60°	702
65°	830
70°	705
75°	932
80°	631
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	23.8
10°-20°	444.6	45.9
20°-30°	247.9	25.6
30°-40°	37.4	3.9
40°-50°	4.2	0.4
50°-60°	2.1	0.2
60°-70°	1.4	0.1
70°-80°	0.9	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°	922.8	95.2
0°-40°	960.2	99.1
0°-60°	966.5	99.7
0°-90°	969.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2604	
5°	2517	230
15°	1657	445
25°	546	248
35°	40	37
45°	4	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2603.5
1°	2594.2
2°	2579.1
3°	2563.3
4°	2543.3
5°	2516.7
6°	2480.9
7°	2429.4
8°	2363.2
9°	2285.2
10°	2199.5
11°	2103.5
12°	1999.4
13°	1891.5
14°	1776.0
15°	1656.7
16°	1527.6
17°	1394.2
18°	1258.6
19°	1129.0
20°	1003.2
21°	886.6
22°	783.6
23°	696.8
24°	621.4
25°	545.5
26°	471.2
27°	399.1
28°	329.2
29°	261.9
30°	197.9
32.5°	79.2
35°	40.1
37.5°	24.9
40°	14.6
42.5°	5.4
45°	4.3
47.5°	3.3
50°	3.3
52.5°	2.7
55°	2.2
57.5°	2.2
60°	1.6
62.5°	1.6
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)