

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: P220674

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4097-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220674
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-LED4097-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1287.1 lumens
Efficiency: N/A
Efficacy: 64.0 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

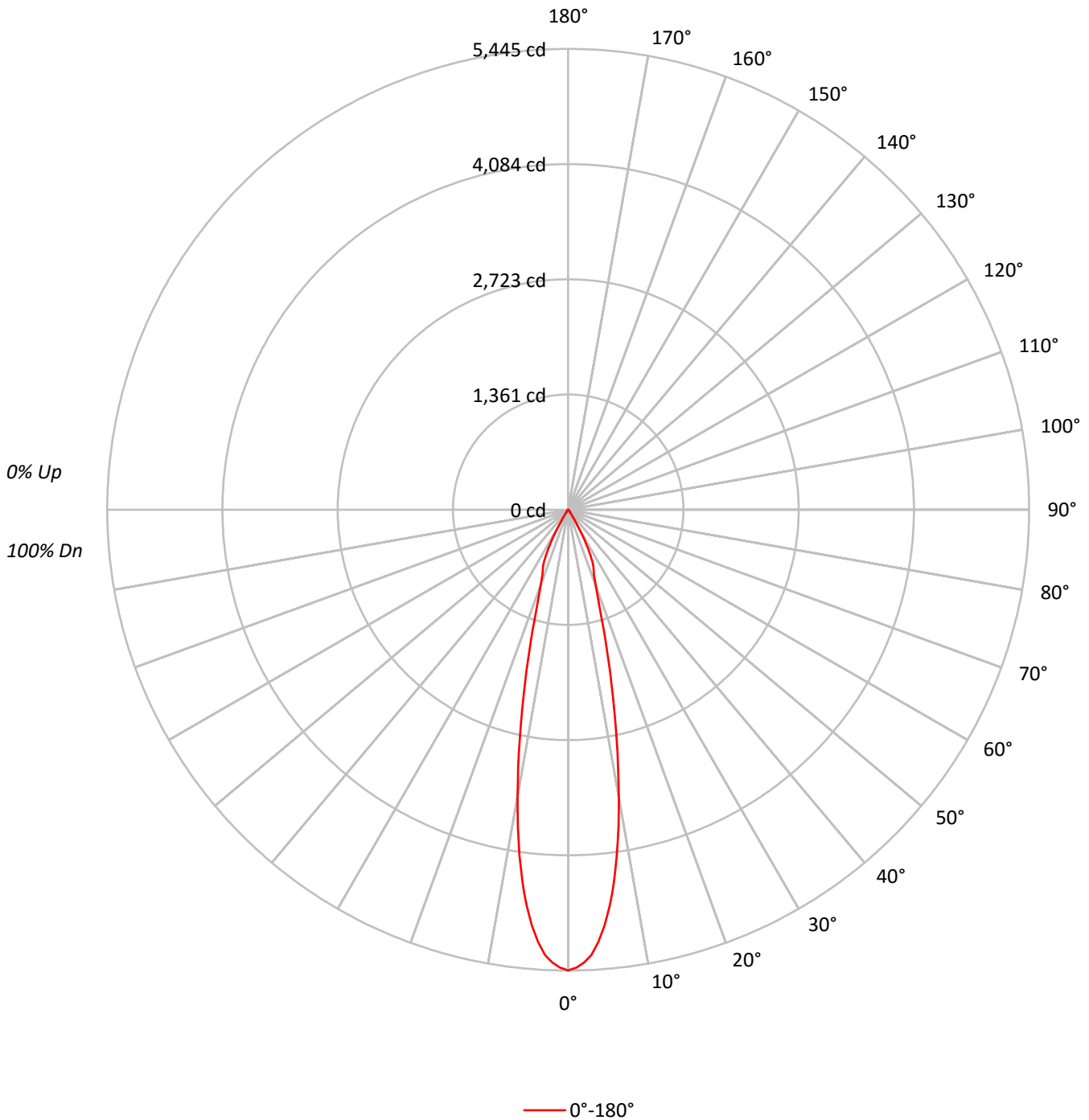
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220674

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-M-BK-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220674

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-M-BK-L2-UNV

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	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°	1193961
5°	1084897
10°	766764
15°	414372
20°	220356
25°	162106
30°	65453
35°	12528
40°	6584
45°	2946
50°	2422
55°	2141
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



TEST NUMBER: P220674

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-M-BK-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	32.8
10°-20°	515.2	40.0
20°-30°	283.6	22.0
30°-40°	47.1	3.7
40°-50°	8.6	0.7
50°-60°	5.0	0.4
60°-70°	3.2	0.2
70°-80°	1.7	0.1
80°-90°	0.5	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°	1221.0	94.9
0°-40°	1268.1	98.5
0°-60°	1281.7	99.6
0°-90°	1287.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5445	
5°	4929	422
15°	1825	515
25°	670	284
35°	47	47
45°	10	9
55°	6	5
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P220674

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5444.9
1°	5411.6
2°	5355.3
3°	5266.5
4°	5115.8
5°	4928.7
6°	4702.7
7°	4433.9
8°	4127.8
9°	3792.4
10°	3443.6
11°	3091.5
12°	2745.8
13°	2415.2
14°	2109.9
15°	1825.3
16°	1579.5
17°	1358.2
18°	1185.4
19°	1047.4
20°	944.3
21°	865.8
22°	808.8
23°	768.3
24°	727.9
25°	670.0
26°	597.8
27°	517.0
28°	429.0
29°	342.5
30°	258.5
32.5°	93.6
35°	46.8
37.5°	33.3
40°	23.0
42.5°	11.9
45°	9.5
47.5°	8.7
50°	7.1
52.5°	6.3
55°	5.6
57.5°	4.8
60°	4.0
62.5°	4.0
65°	3.2



TEST NUMBER: P220674

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)