

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: P220691

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220691
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-LED4097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1417.1 lumens
Efficiency: N/A
Efficacy: 70.5 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

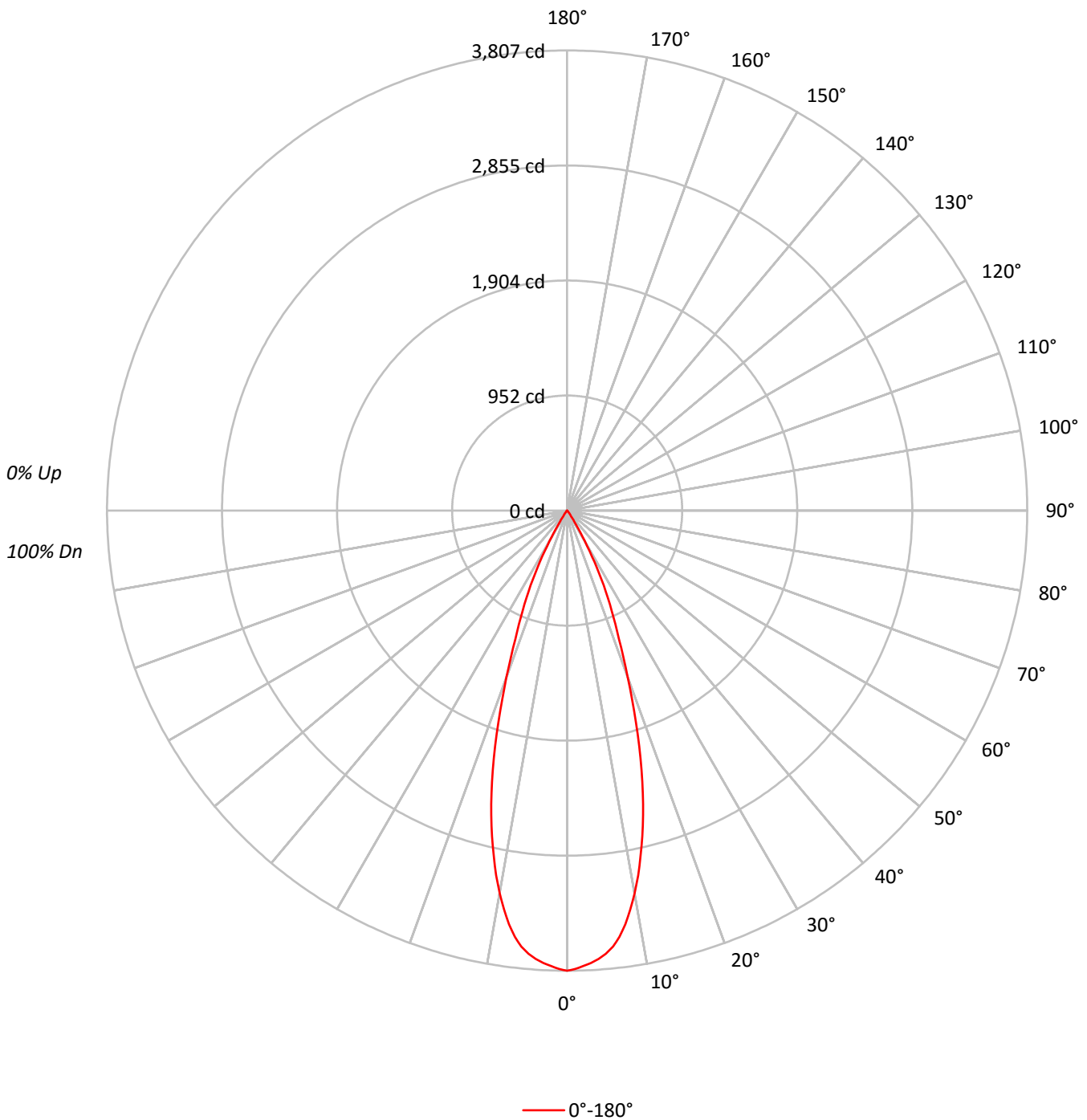
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220691

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

Luminous Intensity Polar Plot





TEST NUMBER: P220691

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-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	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	106	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	72
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°	834736
5°	810013
10°	716086
15°	549901
20°	342306
25°	193003
30°	73277
35°	15714
40°	6126
45°	1954
50°	1637
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0



TEST NUMBER: P220691

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	23.8
10°-20°	650.0	45.9
20°-30°	362.5	25.6
30°-40°	54.8	3.9
40°-50°	6.1	0.4
50°-60°	3.1	0.2
60°-70°	2.1	0.1
70°-80°	1.4	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°	1349.3	95.2
0°-40°	1404.1	99.1
0°-60°	1413.3	99.7
0°-90°	1417.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3807	
5°	3680	337
15°	2422	650
25°	798	362
35°	59	55
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P220691

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	3806.7
1°	3793.3
2°	3771.1
3°	3748.1
4°	3718.7
5°	3679.9
6°	3627.5
7°	3552.2
8°	3455.5
9°	3341.3
10°	3216.0
11°	3075.7
12°	2923.4
13°	2765.7
14°	2596.8
15°	2422.3
16°	2233.6
17°	2038.6
18°	1840.3
19°	1650.8
20°	1466.9
21°	1296.4
22°	1145.7
23°	1018.9
24°	908.7
25°	797.7
26°	689.0
27°	583.6
28°	481.3
29°	383.0
30°	289.4
32.5°	115.8
35°	58.7
37.5°	36.5
40°	21.4
42.5°	7.9
45°	6.3
47.5°	4.8
50°	4.8
52.5°	4.0
55°	3.2
57.5°	3.2
60°	2.4
62.5°	2.4
65°	2.4



TEST NUMBER: P220691

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)