

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: P220602

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3097-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220602
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-LED3097-M-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1145.6 lumens
Efficiency: N/A
Efficacy: 57.0 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

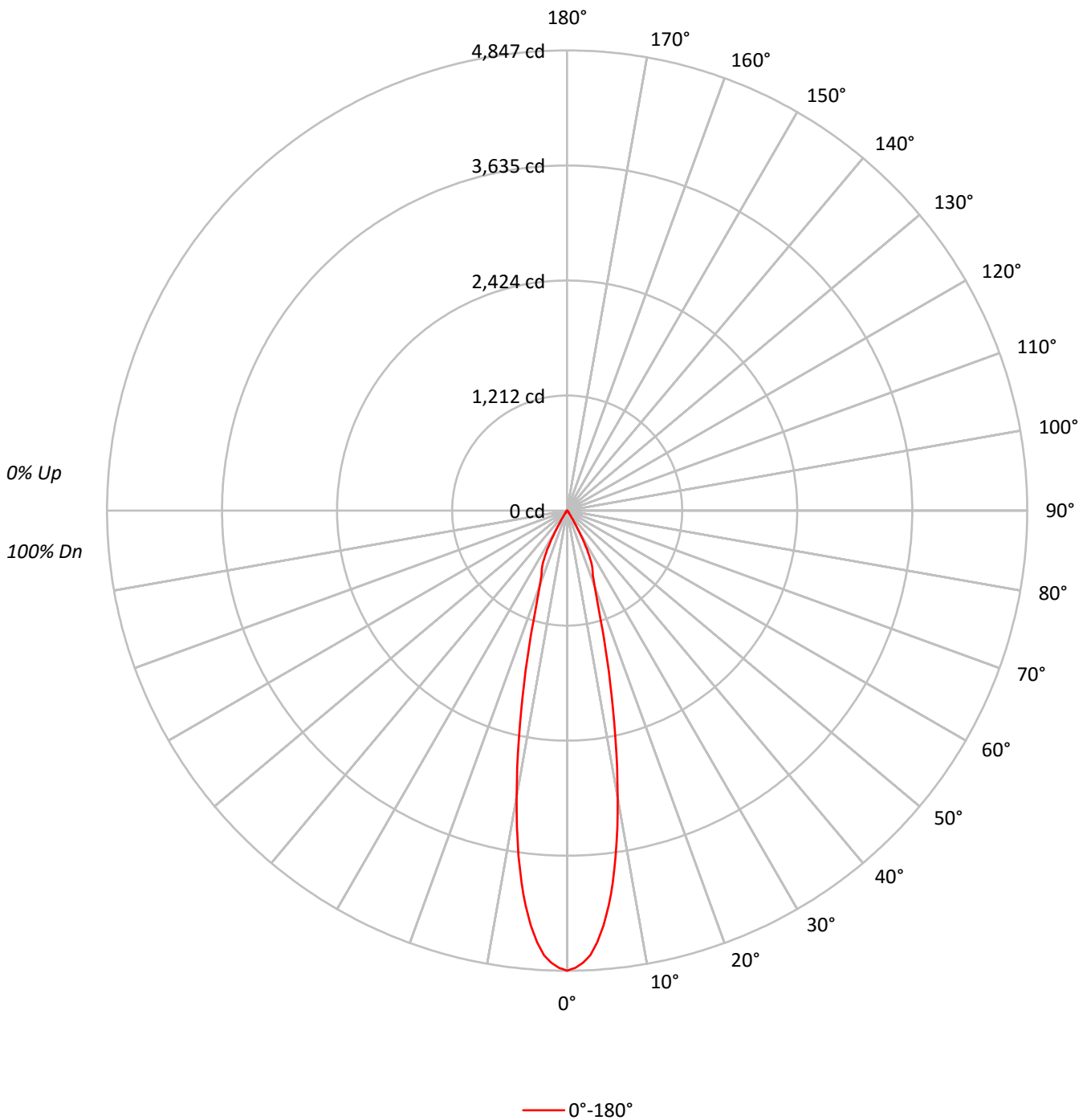
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1062853
5°	965769
10°	682575
15°	368856
20°	196180
25°	144299
30°	58262
35°	11136
40°	5868
45°	2636
50°	2183
55°	1873
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.9	32.8
10°-20°	458.6	40.0
20°-30°	252.4	22.0
30°-40°	41.9	3.7
40°-50°	7.7	0.7
50°-60°	4.4	0.4
60°-70°	2.8	0.2
70°-80°	1.5	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°	1087.0	94.9
0°-40°	1128.8	98.5
0°-60°	1140.9	99.6
0°-90°	1145.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4847	
5°	4388	376
15°	1625	459
25°	596	252
35°	42	42
45°	8	8
55°	5	4
65°	3	3
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4847.0
1°	4817.3
2°	4767.2
3°	4688.2
4°	4554.1
5°	4387.5
6°	4186.3
7°	3947.0
8°	3674.6
9°	3376.0
10°	3065.5
11°	2752.1
12°	2444.3
13°	2150.0
14°	1878.2
15°	1624.8
16°	1406.0
17°	1209.1
18°	1055.2
19°	932.4
20°	840.7
21°	770.8
22°	720.0
23°	684.0
24°	648.0
25°	596.4
26°	532.2
27°	460.2
28°	381.9
29°	304.9
30°	230.1
32.5°	83.3
35°	41.6
37.5°	29.6
40°	20.5
42.5°	10.6
45°	8.5
47.5°	7.8
50°	6.4
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	3.5
65°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)