

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: P220666

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4097-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220666
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-L1-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: 697.9 lumens
Efficiency: N/A
Efficacy: 71.2 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

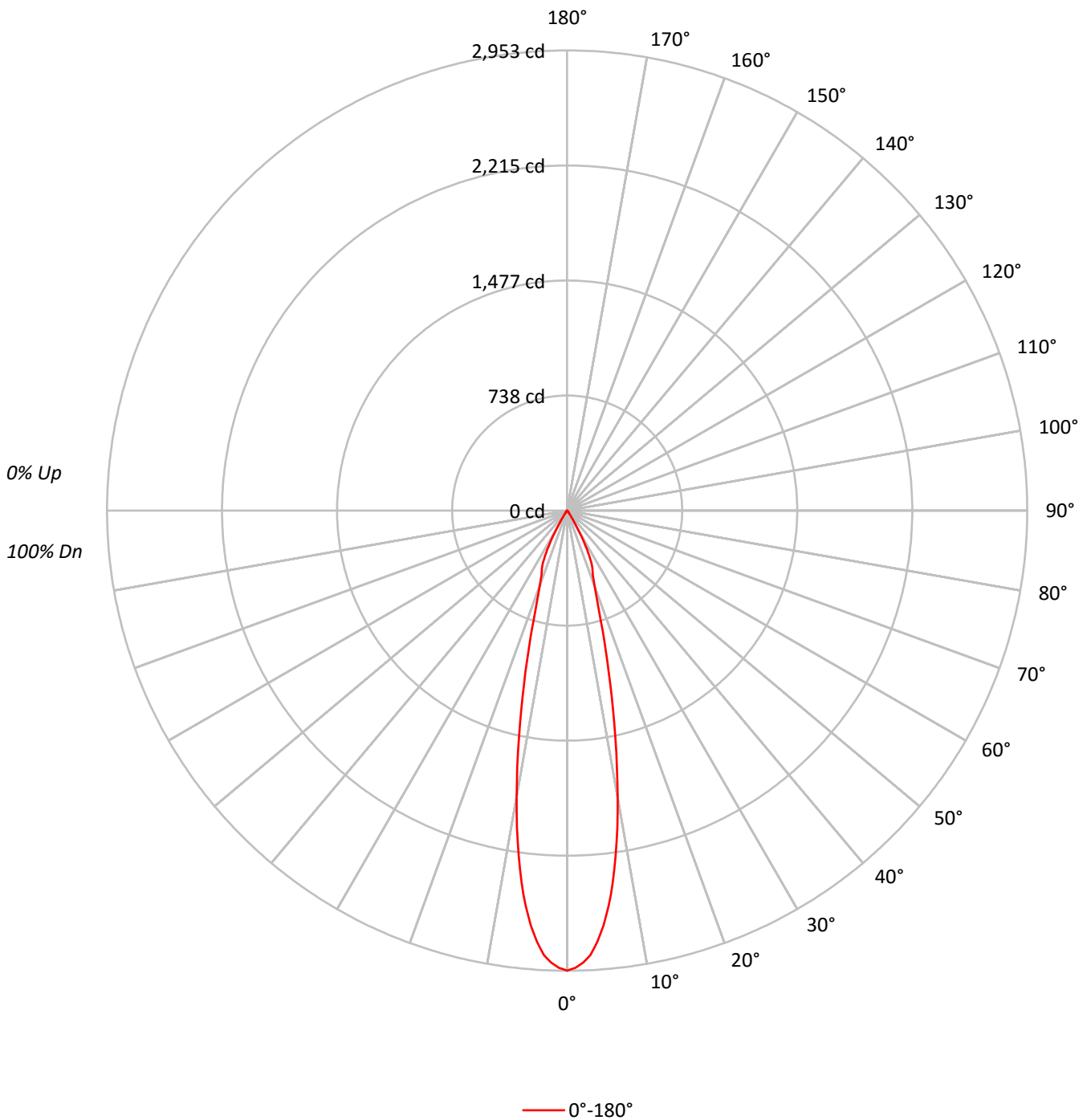
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	647448
5°	588310
10°	415802
15°	224700
20°	119500
25°	87900
30°	35499
35°	6799
40°	3578
45°	1613
50°	1330
55°	1147
60°	921
65°	882
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	32.8
10°-20°	279.4	40.0
20°-30°	153.8	22.0
30°-40°	25.5	3.7
40°-50°	4.7	0.7
50°-60°	2.7	0.4
60°-70°	1.7	0.2
70°-80°	0.9	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°	662.1	94.9
0°-40°	687.7	98.5
0°-60°	695.0	99.6
0°-90°	697.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2953	
5°	2673	229
15°	990	279
25°	363	154
35°	25	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2952.6
1°	2934.6
2°	2904.0
3°	2855.9
4°	2774.2
5°	2672.7
6°	2550.2
7°	2404.4
8°	2238.4
9°	2056.6
10°	1867.4
11°	1676.5
12°	1489.0
13°	1309.7
14°	1144.2
15°	989.8
16°	856.5
17°	736.5
18°	642.8
19°	568.0
20°	512.1
21°	469.5
22°	438.6
23°	416.6
24°	394.7
25°	363.3
26°	324.2
27°	280.3
28°	232.6
29°	185.7
30°	140.2
32.5°	50.7
35°	25.4
37.5°	18.1
40°	12.5
42.5°	6.4
45°	5.2
47.5°	4.7
50°	3.9
52.5°	3.4
55°	3.0
57.5°	2.6
60°	2.1
62.5°	2.1
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)