

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: P220683

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220683
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-L1-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: 768.4 lumens
Efficiency: N/A
Efficacy: 78.4 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

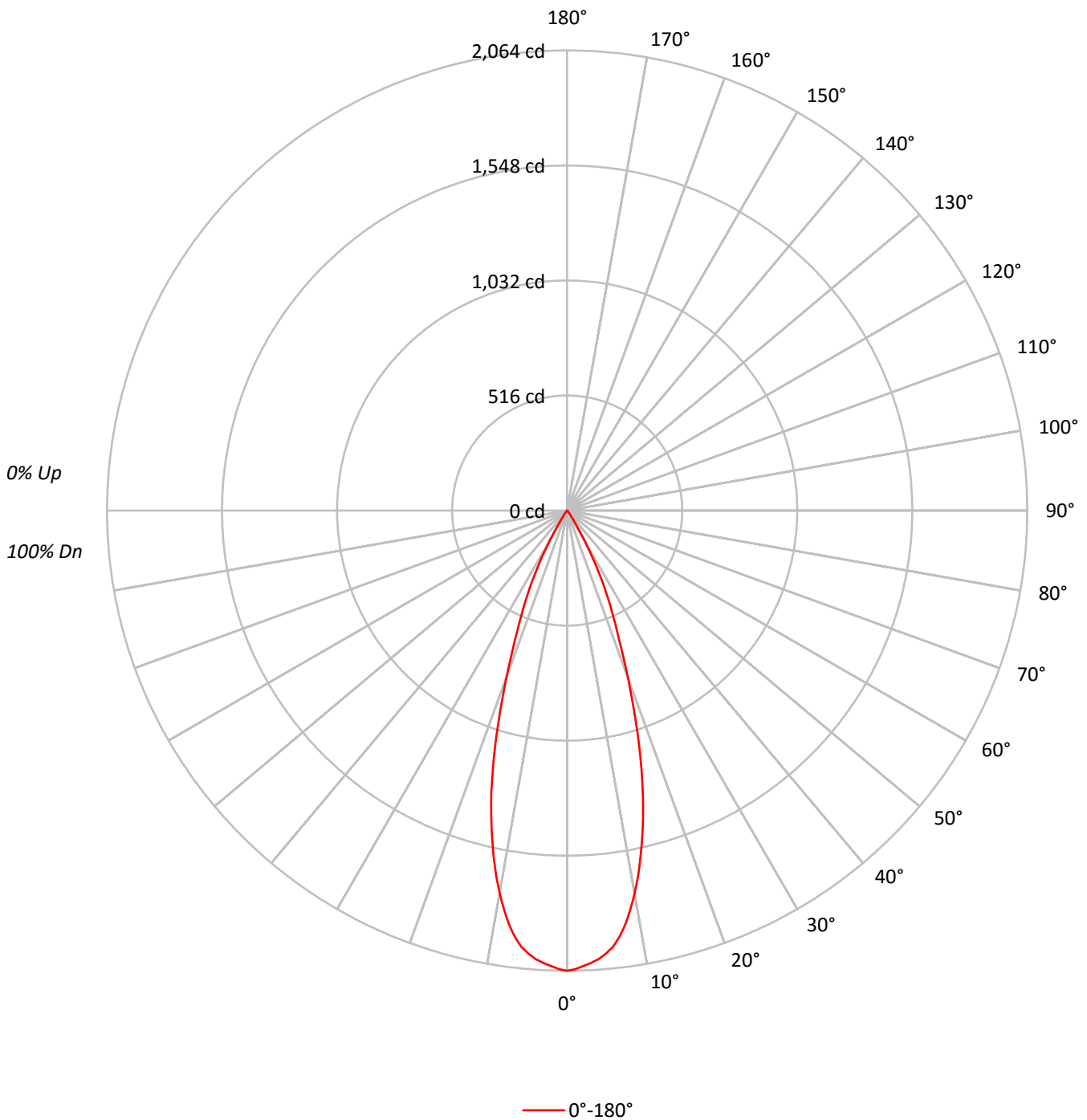
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	72					72			
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°	452661
5°	439246
10°	388325
15°	298208
20°	185609
25°	104667
30°	39728
35°	8513
40°	3321
45°	1054
50°	887
55°	650
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	23.8
10°-20°	352.5	45.9
20°-30°	196.5	25.6
30°-40°	29.7	3.9
40°-50°	3.3	0.4
50°-60°	1.7	0.2
60°-70°	1.1	0.1
70°-80°	0.8	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°	731.7	95.2
0°-40°	761.4	99.1
0°-60°	766.4	99.7
0°-90°	768.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2064	
5°	1996	183
15°	1314	352
25°	433	197
35°	32	30
45°	3	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2064.3
1°	2057.0
2°	2044.9
3°	2032.5
4°	2016.6
5°	1995.5
6°	1967.1
7°	1926.3
8°	1873.8
9°	1811.9
10°	1744.0
11°	1667.9
12°	1585.3
13°	1499.7
14°	1408.2
15°	1313.6
16°	1211.2
17°	1105.5
18°	998.0
19°	895.2
20°	795.4
21°	703.0
22°	621.3
23°	552.5
24°	492.7
25°	432.6
26°	373.6
27°	316.5
28°	261.0
29°	207.7
30°	156.9
32.5°	62.8
35°	31.8
37.5°	19.8
40°	11.6
42.5°	4.3
45°	3.4
47.5°	2.6
50°	2.6
52.5°	2.1
55°	1.7
57.5°	1.7
60°	1.3
62.5°	1.3
65°	1.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)