

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: P220551

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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]-[RW, RI]-LED4097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 1291.6 lumens
Efficiency: N/A
Efficacy: 64.3 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

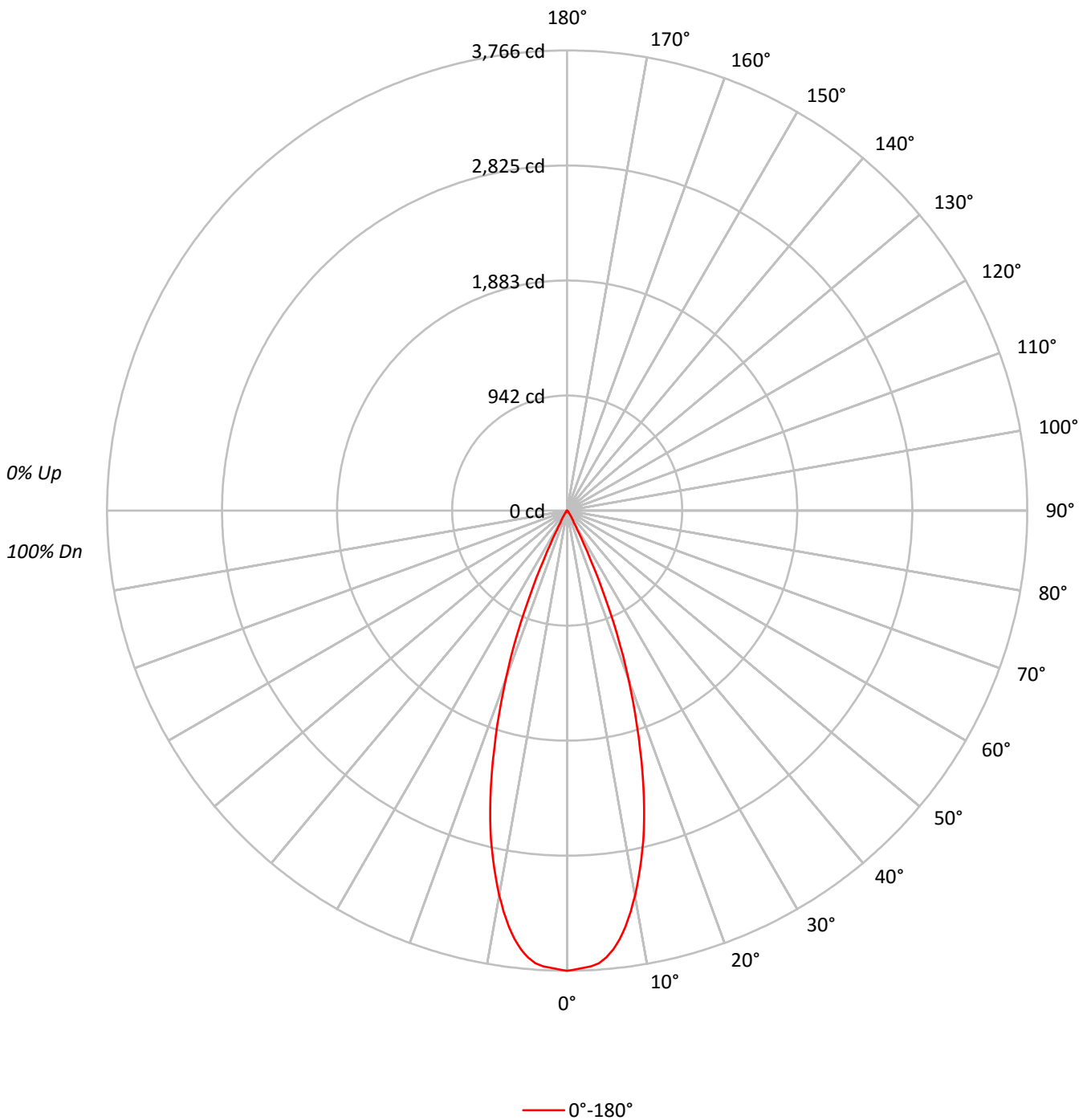
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	115	113	111	109	112	110	109	107	107	105	104	103	102	101	99	99	98	96				96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93				93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89				89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86				86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83				83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80				80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77				77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75				75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72				72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70				70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	825877
5°	808076
10°	712211
15°	550264
20°	341746
25°	126612
30°	26510
35°	9985
40°	3635
45°	2450
50°	2149
55°	1835
60°	1403
65°	830
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.2	26.0
10°-20°	650.4	50.4
20°-30°	265.0	20.5
30°-40°	28.0	2.2
40°-50°	6.5	0.5
50°-60°	4.3	0.3
60°-70°	1.9	0.1
70°-80°	0.3	0.0
80°-90°	0.0	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°	1250.6	96.8
0°-40°	1278.6	99.0
0°-60°	1289.4	99.8
0°-90°	1291.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3766	
5°	3671	335
15°	2424	650
25°	523	265
35°	37	28
45°	8	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3766.3
1°	3756.8
2°	3745.7
3°	3735.4
4°	3714.8
5°	3671.1
6°	3611.7
7°	3534.0
8°	3434.9
9°	3322.3
10°	3198.6
11°	3063.0
12°	2918.7
13°	2768.0
14°	2603.1
15°	2423.9
16°	2241.5
17°	2039.4
18°	1850.6
19°	1654.0
20°	1464.5
21°	1279.7
22°	1083.9
23°	884.1
24°	694.6
25°	523.3
26°	375.0
27°	255.3
28°	168.9
29°	125.3
30°	104.7
32.5°	69.0
35°	37.3
37.5°	20.6
40°	12.7
42.5°	9.5
45°	7.9
47.5°	7.1
50°	6.3
52.5°	5.6
55°	4.8
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)