

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: P220532

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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]-LED3097-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1018.1 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

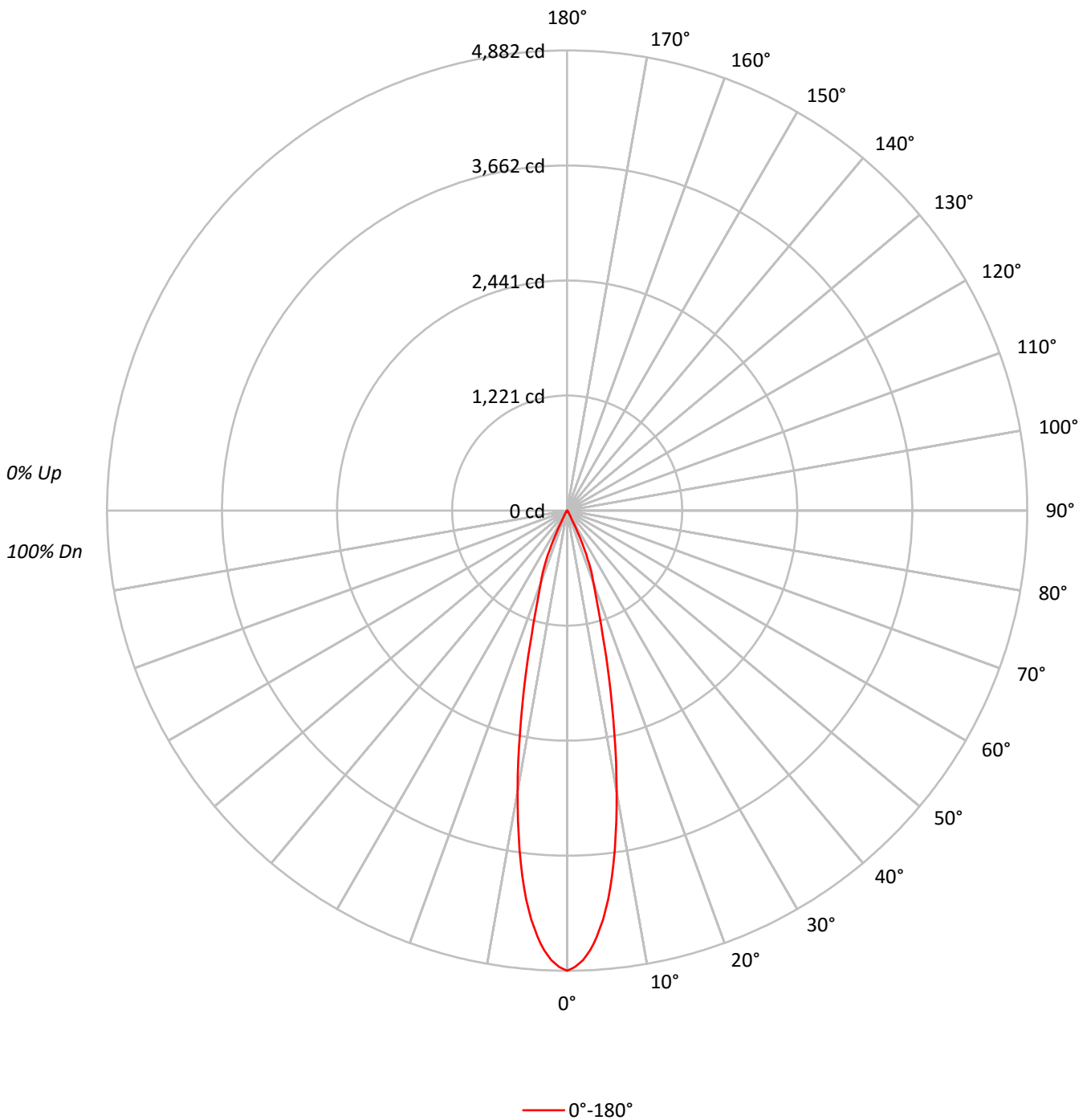
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1070441
5°	959231
10°	673913
15°	361659
20°	190230
25°	85045
30°	16433
35°	6050
40°	3435
45°	2853
50°	2422
55°	1873
60°	1535
65°	1090
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.8	36.6
10°-20°	449.3	44.1
20°-30°	163.9	16.1
30°-40°	18.1	1.8
40°-50°	7.1	0.7
50°-60°	4.5	0.4
60°-70°	2.1	0.2
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°	986.1	96.9
0°-40°	1004.2	98.6
0°-60°	1015.8	99.8
0°-90°	1018.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4882	
5°	4358	373
15°	1593	449
25°	352	164
35°	23	18
45°	9	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4881.6
1°	4842.1
2°	4772.9
3°	4671.2
4°	4530.8
5°	4357.8
6°	4151.0
7°	3908.2
8°	3633.0
9°	3334.4
10°	3026.6
11°	2716.8
12°	2409.7
13°	2119.6
14°	1842.9
15°	1593.1
16°	1363.7
17°	1176.6
18°	1024.9
19°	904.9
20°	815.2
21°	741.8
22°	657.8
23°	558.3
24°	454.6
25°	351.5
26°	253.4
27°	165.9
28°	104.5
29°	76.2
30°	64.9
32.5°	43.8
35°	22.6
37.5°	14.8
40°	12.0
42.5°	10.6
45°	9.2
47.5°	7.8
50°	7.1
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	2.8
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
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)