

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: P220500

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1349.3 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

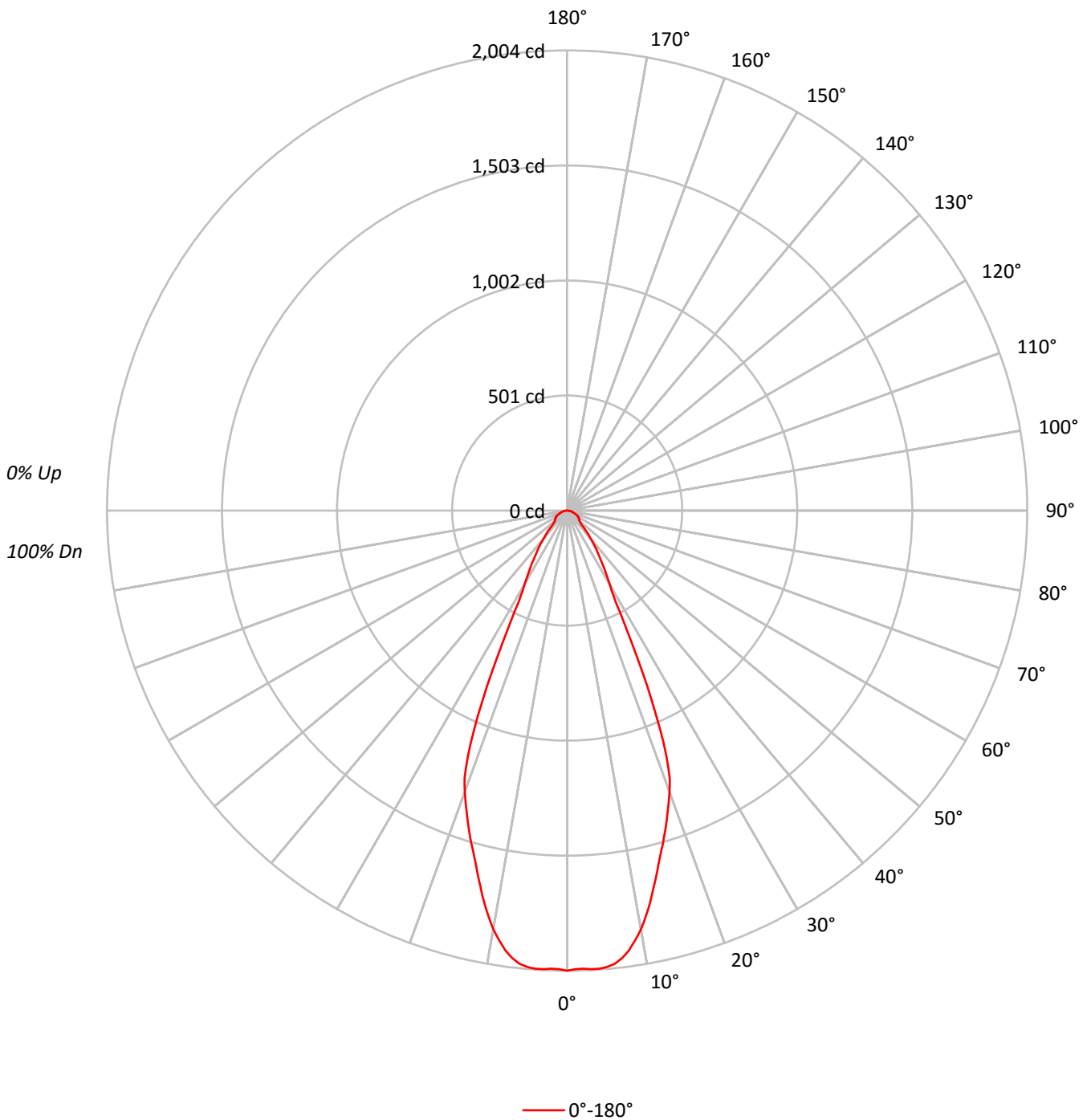
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	439373
5°	439136
10°	412061
15°	354417
20°	304363
25°	187438
30°	93559
35°	65585
40°	45628
45°	29274
50°	23812
55°	24238
60°	24691
65°	23868
70°	21350
75°	20164
80°	21972
85°	21889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	13.8
10°-20°	436.9	32.4
20°-30°	354.6	26.3
30°-40°	156.8	11.6
40°-50°	78.6	5.8
50°-60°	56.5	4.2
60°-70°	44.8	3.3
70°-80°	25.5	1.9
80°-90°	9.5	0.7
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°	977.5	72.4
0°-40°	1134.3	84.1
0°-60°	1269.5	94.1
0°-90°	1349.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1349.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2004	
5°	1995	186
15°	1561	437
25°	775	355
35°	245	157
45°	94	79
55°	63	57
65°	46	45
75°	24	26
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2003.7
1°	1998.1
2°	1996.5
3°	1999.7
4°	1999.7
5°	1995.0
6°	1984.6
7°	1964.0
8°	1933.9
9°	1895.0
10°	1850.6
11°	1799.1
12°	1742.0
13°	1680.2
14°	1619.1
15°	1561.2
16°	1511.3
17°	1458.9
18°	1406.6
19°	1354.3
20°	1304.3
21°	1246.4
22°	1155.3
23°	1037.9
24°	909.5
25°	774.7
26°	647.8
27°	535.2
28°	449.6
29°	400.4
30°	369.5
32.5°	302.9
35°	245.0
37.5°	202.2
40°	159.4
42.5°	126.1
45°	94.4
47.5°	76.1
50°	69.8
52.5°	66.6
55°	63.4
57.5°	59.5
60°	56.3
62.5°	51.5
65°	46.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	38.9
70°	33.3
72.5°	27.0
75°	23.8
77.5°	20.6
80°	17.4
82.5°	13.5
85°	8.7
87.5°	4.0
90°	0.0

(END OF REPORT)