

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: P220498

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220498
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]-LED3097-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1201.1 lumens
Efficiency: N/A
Efficacy: 59.8 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

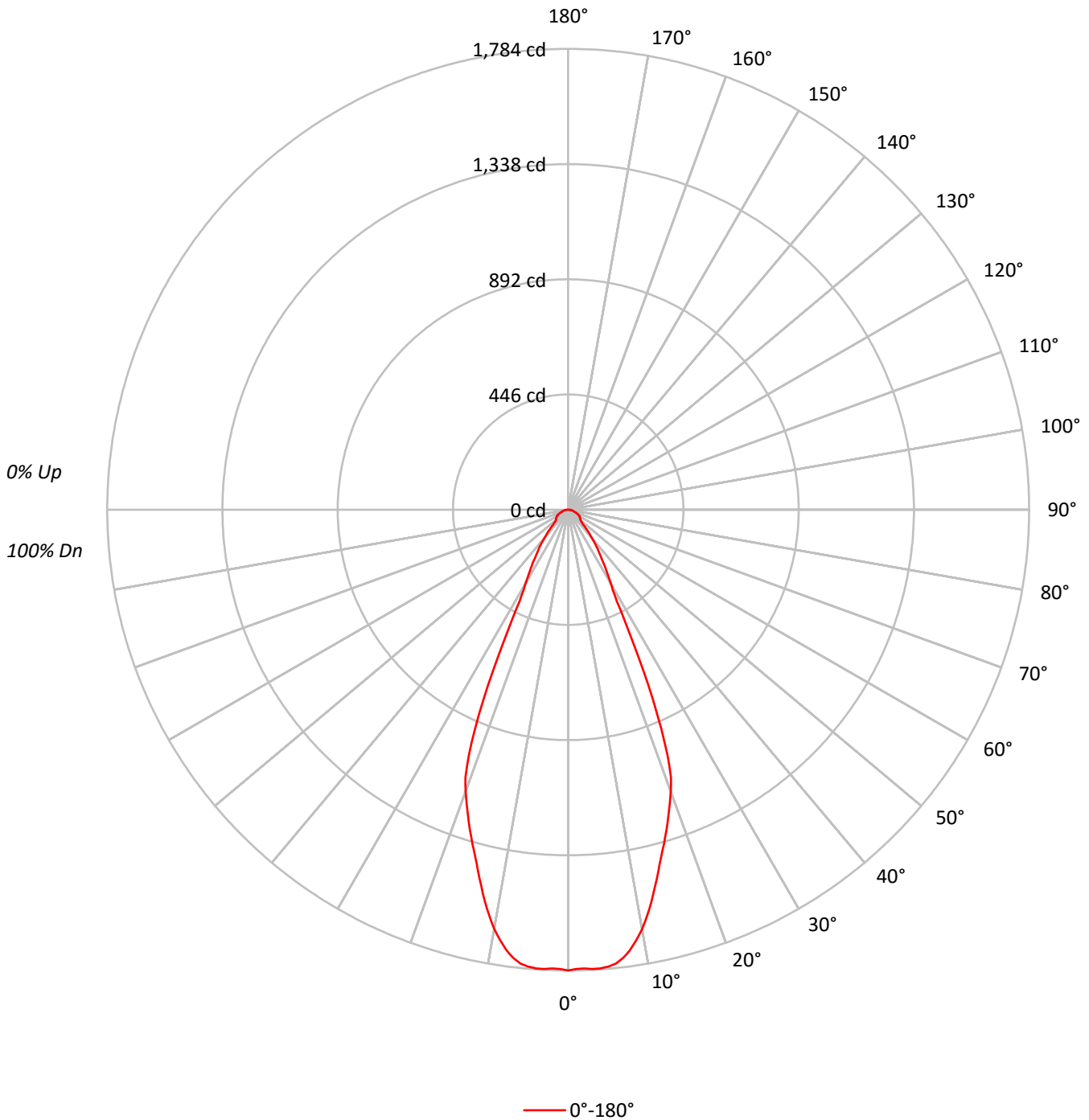
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	391131
5°	390908
10°	366816
15°	315507
20°	270947
25°	166848
30°	83279
35°	58384
40°	40619
45°	26049
50°	21185
55°	21600
60°	21972
65°	21221
70°	18978
75°	17961
80°	19573
85°	19625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	13.8
10°-20°	388.9	32.4
20°-30°	315.7	26.3
30°-40°	139.6	11.6
40°-50°	70.0	5.8
50°-60°	50.3	4.2
60°-70°	39.9	3.3
70°-80°	22.7	1.9
80°-90°	8.4	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°	870.2	72.4
0°-40°	1009.8	84.1
0°-60°	1130.1	94.1
0°-90°	1201.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1784	
5°	1776	166
15°	1390	389
25°	690	316
35°	218	140
45°	84	70
55°	56	50
65°	41	40
75°	21	23
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1783.7
1°	1778.7
2°	1777.3
3°	1780.1
4°	1780.1
5°	1775.9
6°	1766.7
7°	1748.4
8°	1721.5
9°	1687.0
10°	1647.4
11°	1601.6
12°	1550.7
13°	1495.7
14°	1441.3
15°	1389.8
16°	1345.3
17°	1298.7
18°	1252.2
19°	1205.6
20°	1161.1
21°	1109.6
22°	1028.4
23°	923.9
24°	809.6
25°	689.6
26°	576.7
27°	476.4
28°	400.2
29°	356.4
30°	328.9
32.5°	269.6
35°	218.1
37.5°	180.0
40°	141.9
42.5°	112.2
45°	84.0
47.5°	67.8
50°	62.1
52.5°	59.3
55°	56.5
57.5°	52.9
60°	50.1
62.5°	45.9
65°	40.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	34.6
70°	29.6
72.5°	24.0
75°	21.2
77.5°	18.4
80°	15.5
82.5°	12.0
85°	7.8
87.5°	3.5
90°	0.0

(END OF REPORT)