

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: P220638

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-LED3097-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH 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: 1150.2 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

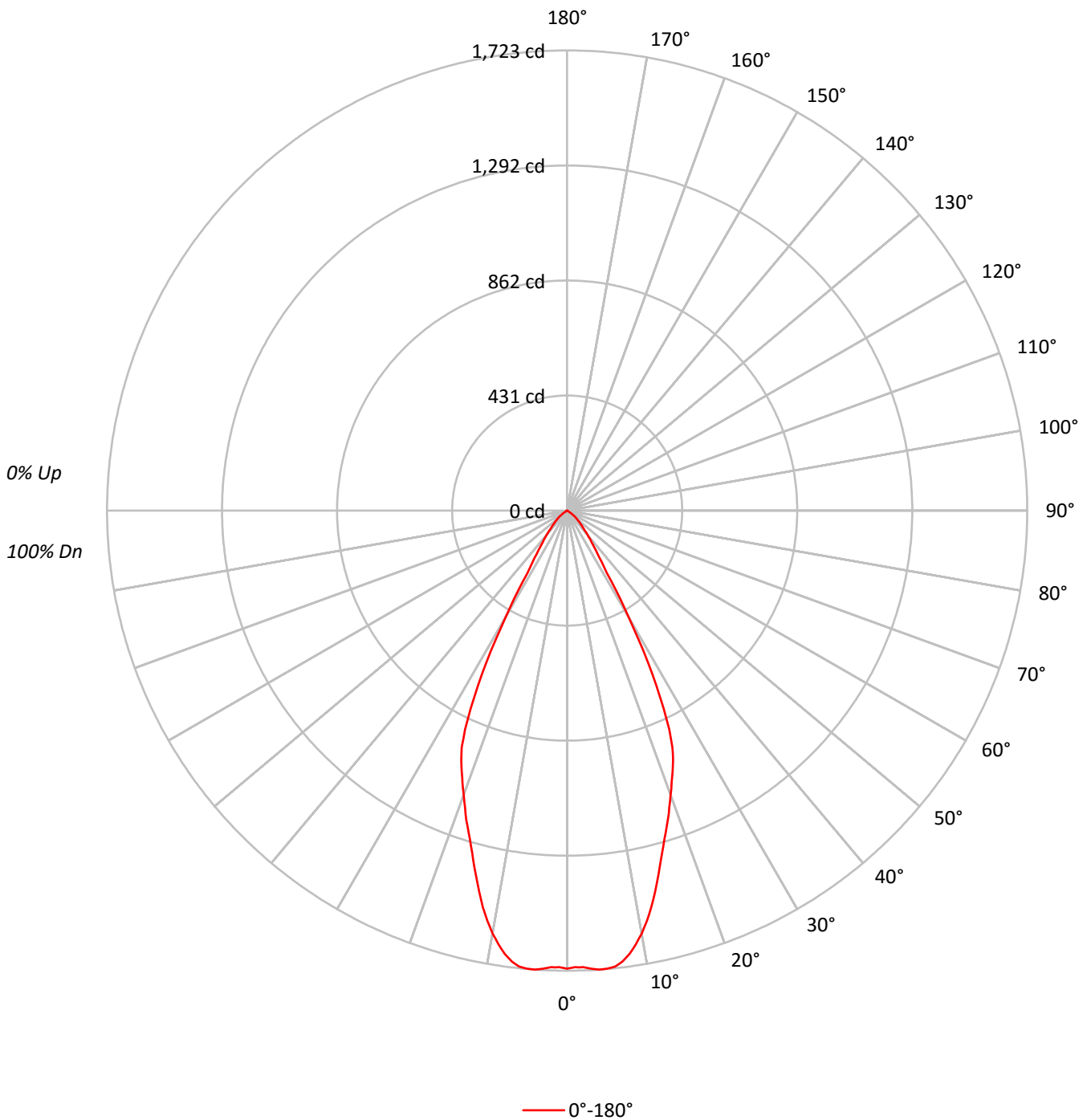
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81		87	83	80		85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71		78	74	71		77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64		71	66	63		70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60		68	63	60		67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57		64	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	376110
5°	378934
10°	358021
15°	307970
20°	264366
25°	218771
30°	116702
35°	53083
40°	33949
45°	22328
50°	15658
55°	7837
60°	1842
65°	1816
70°	1795
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	14.0
10°-20°	379.4	33.0
20°-30°	387.7	33.7
30°-40°	140.4	12.2
40°-50°	57.8	5.0
50°-60°	18.7	1.6
60°-70°	3.3	0.3
70°-80°	1.6	0.1
80°-90°	0.5	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°	928.0	80.7
0°-40°	1068.4	92.9
0°-60°	1144.9	99.5
0°-90°	1150.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1150.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1715	
5°	1722	161
15°	1357	379
25°	904	388
35°	198	140
45°	72	58
55°	20	19
65°	4	3
75°	1	2
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1715.2
1°	1710.2
2°	1711.0
3°	1717.3
4°	1722.9
5°	1721.5
6°	1716.6
7°	1701.1
8°	1676.4
9°	1643.9
10°	1607.9
11°	1564.8
12°	1517.6
13°	1464.6
14°	1409.6
15°	1356.6
16°	1305.8
17°	1261.3
18°	1220.4
19°	1175.2
20°	1132.9
21°	1092.6
22°	1053.1
23°	1015.0
24°	969.8
25°	904.2
26°	823.7
27°	736.2
28°	643.7
29°	550.6
30°	460.9
32.5°	276.7
35°	198.3
37.5°	153.2
40°	118.6
42.5°	90.3
45°	72.0
47.5°	57.9
50°	45.9
52.5°	33.9
55°	20.5
57.5°	5.6
60°	4.2
62.5°	3.5
65°	3.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.8
70°	2.8
72.5°	2.1
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)