

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: P220549

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220549
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]-LED3097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1149.7 lumens
Efficiency: N/A
Efficacy: 57.2 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

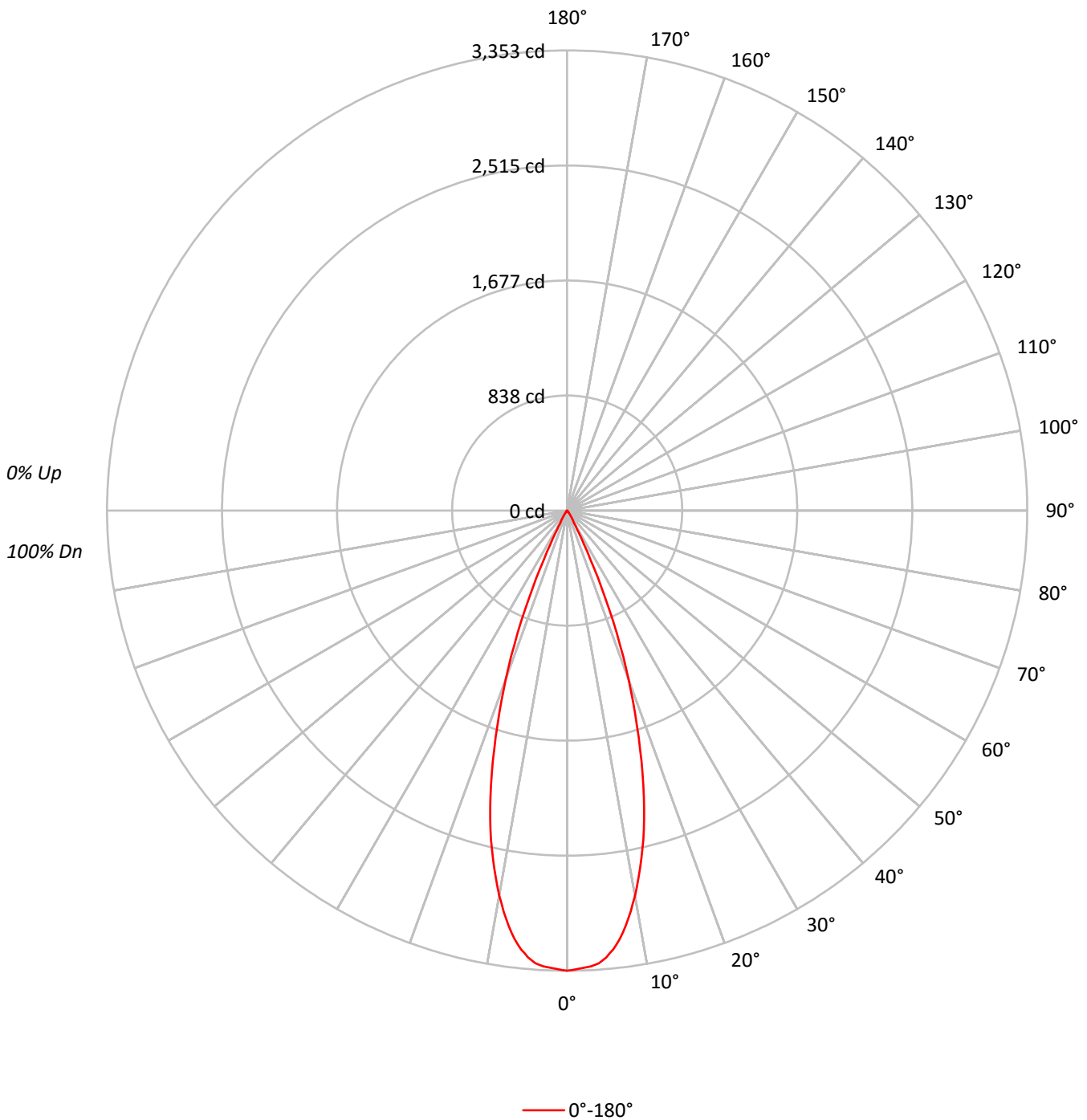
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	735182
5°	719347
10°	634012
15°	489855
20°	304223
25°	112724
30°	23599
35°	8887
40°	3235
45°	2202
50°	1910
55°	1606
60°	1228
65°	726
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	26.0
10°-20°	579.0	50.4
20°-30°	235.9	20.5
30°-40°	24.9	2.2
40°-50°	5.8	0.5
50°-60°	3.7	0.3
60°-70°	1.6	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°	1113.3	96.8
0°-40°	1138.2	99.0
0°-60°	1147.8	99.8
0°-90°	1149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1149.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3353	
5°	3268	298
15°	2158	579
25°	466	236
35°	33	25
45°	7	6
55°	4	4
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3352.7
1°	3344.3
2°	3334.4
3°	3325.2
4°	3306.9
5°	3268.0
6°	3215.1
7°	3145.9
8°	3057.7
9°	2957.5
10°	2847.4
11°	2726.7
12°	2598.2
13°	2464.1
14°	2317.3
15°	2157.8
16°	1995.4
17°	1815.4
18°	1647.4
19°	1472.4
20°	1303.7
21°	1139.2
22°	964.9
23°	787.0
24°	618.3
25°	465.9
26°	333.9
27°	227.3
28°	150.3
29°	111.5
30°	93.2
32.5°	61.4
35°	33.2
37.5°	18.4
40°	11.3
42.5°	8.5
45°	7.1
47.5°	6.4
50°	5.6
52.5°	4.9
55°	4.2
57.5°	3.5
60°	2.8
62.5°	2.1
65°	1.4



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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)