

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: P220655

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
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-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1199.7 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

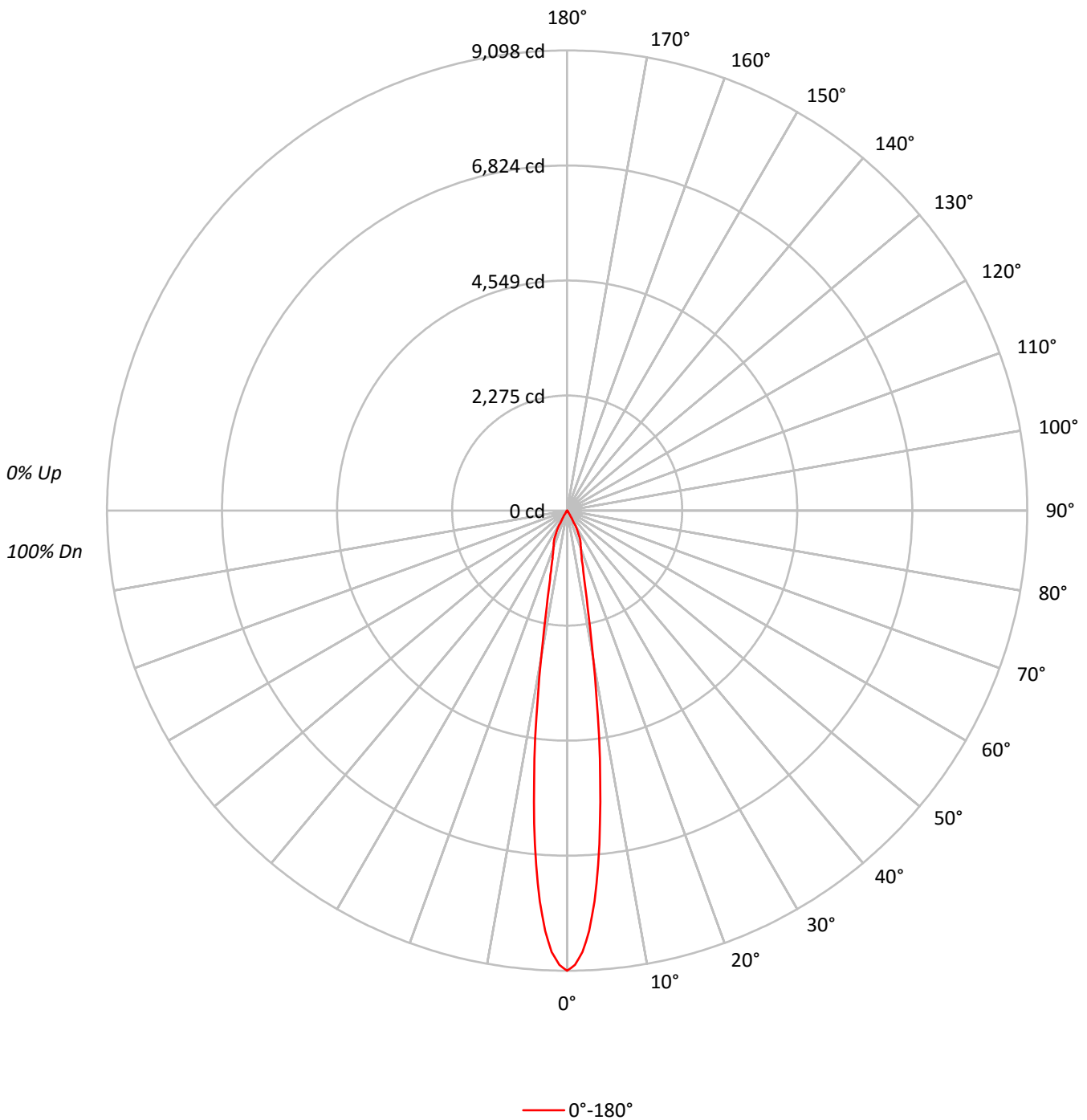
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	100	100	100	100	100		
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97	97	97	97	97		
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94	94	94	94		
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91	91	91	91	91		
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88	88	88	88	88		
5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86	86	86	86	86	86	86		
6	99	93	89	86	98	93	89	86	91	88	86	90	87	85	89	86	85	83	83	83	83	83	83	83		
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81	81	81	81	81	81	81		
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79	79	79	79	79	79	79		
9	92	86	82	79	91	85	82	79	84	81	79	84	81	79	83	80	78	77	77	77	77	77	77	77		
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	77	76	76	76	76	76	76	76		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1994906
5°	1548862
10°	661667
15°	279775
20°	185469
25°	139024
30°	53249
35°	8138
40°	4437
45°	1985
50°	1433
55°	1338
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.8	44.3
10°-20°	376.8	31.4
20°-30°	242.9	20.2
30°-40°	35.0	2.9
40°-50°	5.5	0.5
50°-60°	3.4	0.3
60°-70°	2.6	0.2
70°-80°	1.3	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°	1151.5	96.0
0°-40°	1186.5	98.9
0°-60°	1195.3	99.6
0°-90°	1199.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9098	
5°	7036	532
15°	1232	377
25°	575	243
35°	30	35
45°	6	6
55°	4	3
65°	3	3
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9097.5
1°	8983.9
2°	8732.6
3°	8319.7
4°	7745.1
5°	7036.5
6°	6221.9
7°	5371.4
8°	4530.1
9°	3698.6
10°	2971.6
11°	2378.0
12°	1950.2
13°	1637.5
14°	1405.3
15°	1232.4
16°	1089.8
17°	986.1
18°	911.9
19°	847.0
20°	794.8
21°	749.6
22°	710.1
23°	673.4
24°	631.0
25°	574.6
26°	508.2
27°	436.9
28°	359.3
29°	282.3
30°	210.3
32.5°	69.9
35°	30.4
37.5°	21.9
40°	15.5
42.5°	7.8
45°	6.4
47.5°	4.9
50°	4.2
52.5°	4.2
55°	3.5
57.5°	3.5
60°	3.5
62.5°	2.8
65°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
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)