

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: P220647

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3097-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220647
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-L1-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: 650.6 lumens
Efficiency: N/A
Efficacy: 66.4 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

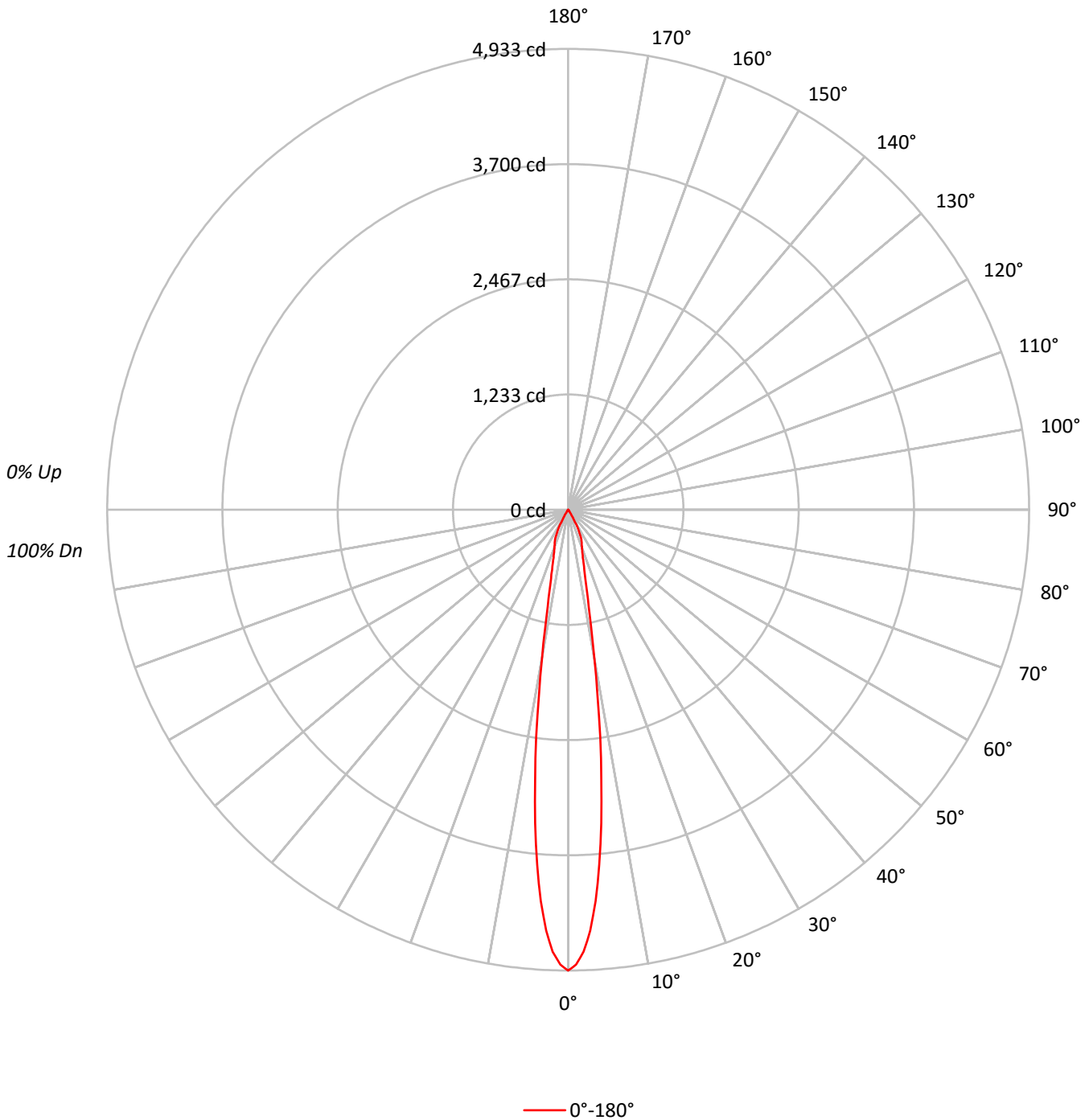
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	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°	1081799
5°	839905
10°	358800
15°	151715
20°	100575
25°	75391
30°	28891
35°	4417
40°	2405
45°	1054
50°	785
55°	726
60°	833
65°	778
70°	705
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.4	44.3
10°-20°	204.3	31.4
20°-30°	131.7	20.2
30°-40°	19.0	2.9
40°-50°	3.0	0.5
50°-60°	1.8	0.3
60°-70°	1.4	0.2
70°-80°	0.7	0.1
80°-90°	0.3	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°	624.4	96.0
0°-40°	643.4	98.9
0°-60°	648.2	99.6
0°-90°	650.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	650.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4933	
5°	3816	288
15°	668	204
25°	312	132
35°	16	19
45°	3	3
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4933.4
1°	4871.7
2°	4735.5
3°	4511.6
4°	4200.0
5°	3815.7
6°	3374.0
7°	2912.8
8°	2456.5
9°	2005.7
10°	1611.4
11°	1289.5
12°	1057.6
13°	888.0
14°	762.1
15°	668.3
16°	591.0
17°	534.7
18°	494.5
19°	459.3
20°	431.0
21°	406.5
22°	385.1
23°	365.2
24°	342.2
25°	311.6
26°	275.6
27°	236.9
28°	194.8
29°	153.1
30°	114.1
32.5°	37.9
35°	16.5
37.5°	11.9
40°	8.4
42.5°	4.2
45°	3.4
47.5°	2.7
50°	2.3
52.5°	2.3
55°	1.9
57.5°	1.9
60°	1.9
62.5°	1.5
65°	1.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)