

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: P220439

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 688.2 lumens
Efficiency: N/A
Efficacy: 70.2 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

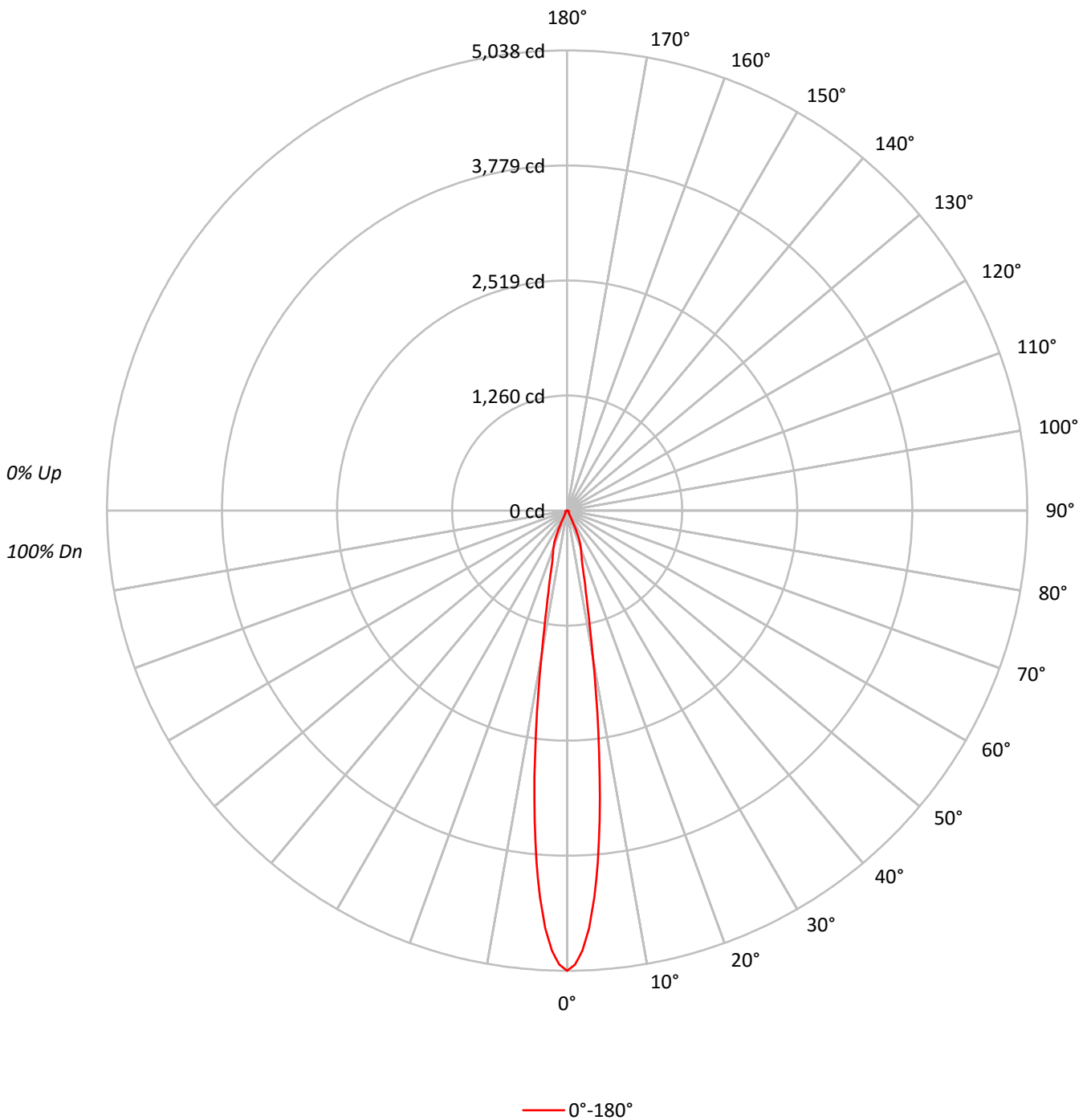
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220439

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220439

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

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	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1104802
5°	848754
10°	359824
15°	154416
20°	102722
25°	48898
30°	12027
35°	8914
40°	8559
45°	8559
50°	8733
55°	9787
60°	9911
65°	9132
70°	7629
75°	6778
80°	7703
85°	7799



TEST NUMBER: P220439

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	42.2
10°-20°	208.0	30.2
20°-30°	94.1	13.7
30°-40°	22.2	3.2
40°-50°	21.3	3.1
50°-60°	22.5	3.3
60°-70°	17.3	2.5
70°-80°	8.9	1.3
80°-90°	3.2	0.5
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°	592.7	86.1
0°-40°	614.9	89.4
0°-60°	658.7	95.7
0°-90°	688.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5038	
5°	3856	291
15°	680	208
25°	202	94
35°	33	22
45°	28	21
55°	26	22
65°	18	17
75°	8	9
85°	3	3
90°	0	



TEST NUMBER: P220439

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

	0°
0°	5038.3
1°	4972.4
2°	4819.3
3°	4576.7
4°	4250.2
5°	3855.9
6°	3404.3
7°	2931.2
8°	2453.1
9°	2006.4
10°	1616.0
11°	1305.2
12°	1077.9
13°	911.0
14°	780.4
15°	680.2
16°	599.4
17°	545.0
18°	504.5
19°	469.3
20°	440.2
22.5°	349.8
25°	202.1
26°	147.4
27°	100.3
28°	66.6
29°	52.4
30°	47.5
32.5°	39.8
35°	33.3
37.5°	31.0
40°	29.9
42.5°	28.7
45°	27.6
47.5°	26.4
50°	25.6
52.5°	25.6
55°	25.6
57.5°	24.9
60°	22.6
62.5°	20.7
65°	17.6
67.5°	14.5
70°	11.9
72.5°	9.6



TEST NUMBER: P220439

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
75°	8.0
77.5°	7.3
80°	6.1
82.5°	4.6
85°	3.1
87.5°	1.1
90°	0.0

(END OF REPORT)