

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: P220490

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 651.4 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

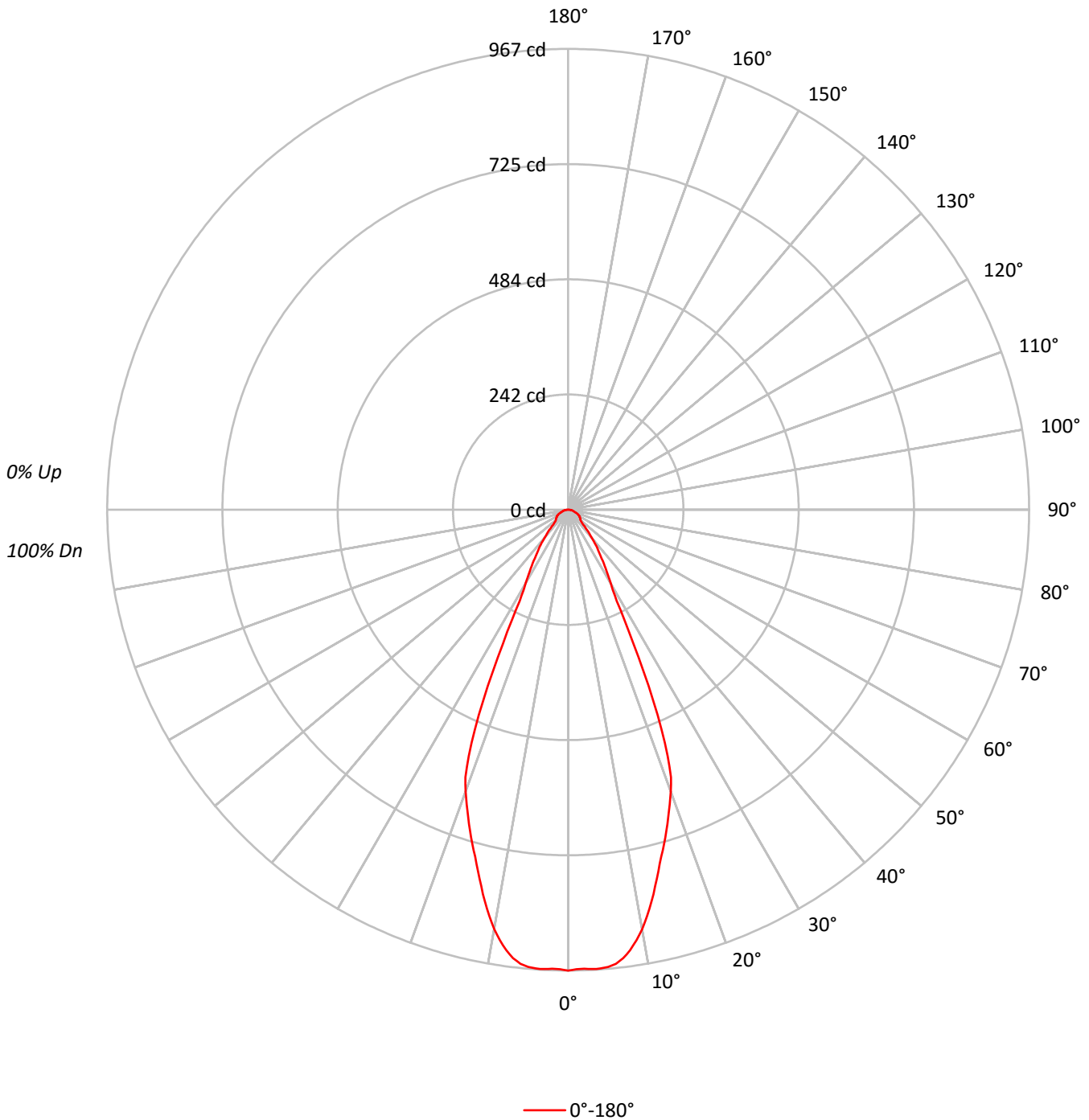
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212088
5°	211974
10°	198928
15°	171102
20°	146919
25°	90489
30°	45172
35°	31668
40°	22013
45°	14110
50°	11496
55°	11699
60°	11929
65°	11519
70°	10322
75°	9743
80°	10607
85°	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	13.8
10°-20°	210.9	32.4
20°-30°	171.2	26.3
30°-40°	75.7	11.6
40°-50°	37.9	5.8
50°-60°	27.3	4.2
60°-70°	21.7	3.3
70°-80°	12.3	1.9
80°-90°	4.6	0.7
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°	471.9	72.4
0°-40°	547.6	84.1
0°-60°	612.8	94.1
0°-90°	651.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	967	
5°	963	90
15°	754	211
25°	374	171
35°	118	76
45°	46	38
55°	31	27
65°	22	22
75°	12	12
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	967.2
1°	964.6
2°	963.8
3°	965.3
4°	965.3
5°	963.0
6°	958.0
7°	948.1
8°	933.6
9°	914.8
10°	893.4
11°	868.5
12°	840.9
13°	811.1
14°	781.6
15°	753.7
16°	729.5
17°	704.3
18°	679.0
19°	653.8
20°	629.6
21°	601.7
22°	557.7
23°	501.0
24°	439.0
25°	374.0
26°	312.7
27°	258.4
28°	217.0
29°	193.3
30°	178.4
32.5°	146.2
35°	118.3
37.5°	97.6
40°	76.9
42.5°	60.9
45°	45.5
47.5°	36.7
50°	33.7
52.5°	32.2
55°	30.6
57.5°	28.7
60°	27.2
62.5°	24.9
65°	22.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	18.8
70°	16.1
72.5°	13.0
75°	11.5
77.5°	10.0
80°	8.4
82.5°	6.5
85°	4.2
87.5°	1.9
90°	0.0

(END OF REPORT)