

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: P220628

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 617.9 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

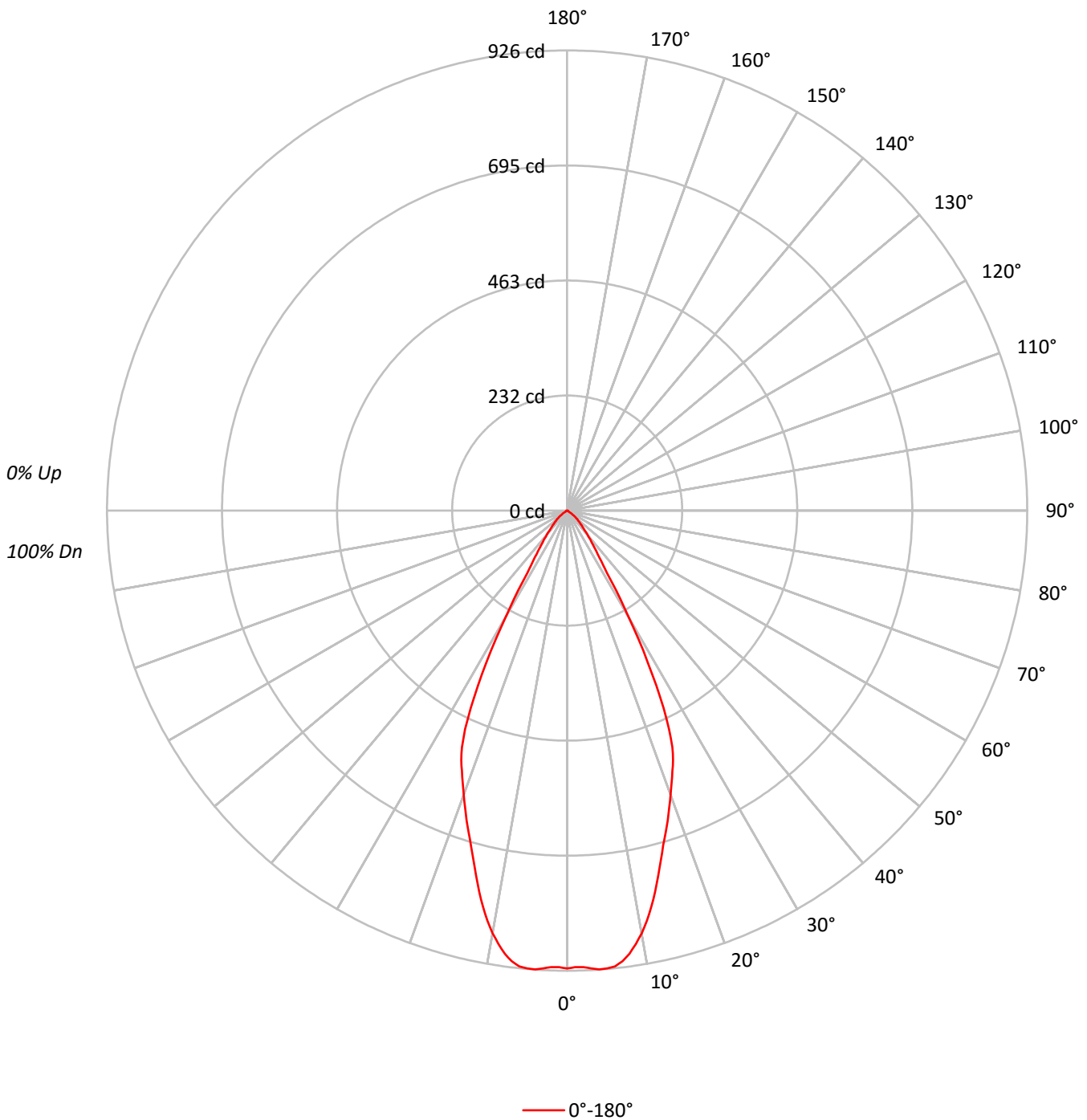
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	202045
5°	203565
10°	192337
15°	165449
20°	142019
25°	117515
30°	62693
35°	28536
40°	18234
45°	12001
50°	8392
55°	4205
60°	1009
65°	986
70°	962
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	14.0
10°-20°	203.8	33.0
20°-30°	208.3	33.7
30°-40°	75.4	12.2
40°-50°	31.1	5.0
50°-60°	10.0	1.6
60°-70°	1.8	0.3
70°-80°	0.9	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°	498.5	80.7
0°-40°	573.9	92.9
0°-60°	615.0	99.5
0°-90°	617.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	921	
5°	925	86
15°	729	204
25°	486	208
35°	107	75
45°	39	31
55°	11	10
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	921.4
1°	918.8
2°	919.1
3°	922.6
4°	925.6
5°	924.8
6°	922.2
7°	913.8
8°	900.6
9°	883.1
10°	863.8
11°	840.7
12°	815.2
13°	786.8
14°	757.2
15°	728.8
16°	701.5
17°	677.6
18°	655.6
19°	631.3
20°	608.6
21°	587.0
22°	565.7
23°	545.3
24°	521.0
25°	485.7
26°	442.5
27°	395.5
28°	345.8
29°	295.8
30°	247.6
32.5°	148.6
35°	106.6
37.5°	82.3
40°	63.7
42.5°	48.5
45°	38.7
47.5°	31.1
50°	24.6
52.5°	18.2
55°	11.0
57.5°	3.0
60°	2.3
62.5°	1.9
65°	1.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	1.1
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)