

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: P220592

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 615.5 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

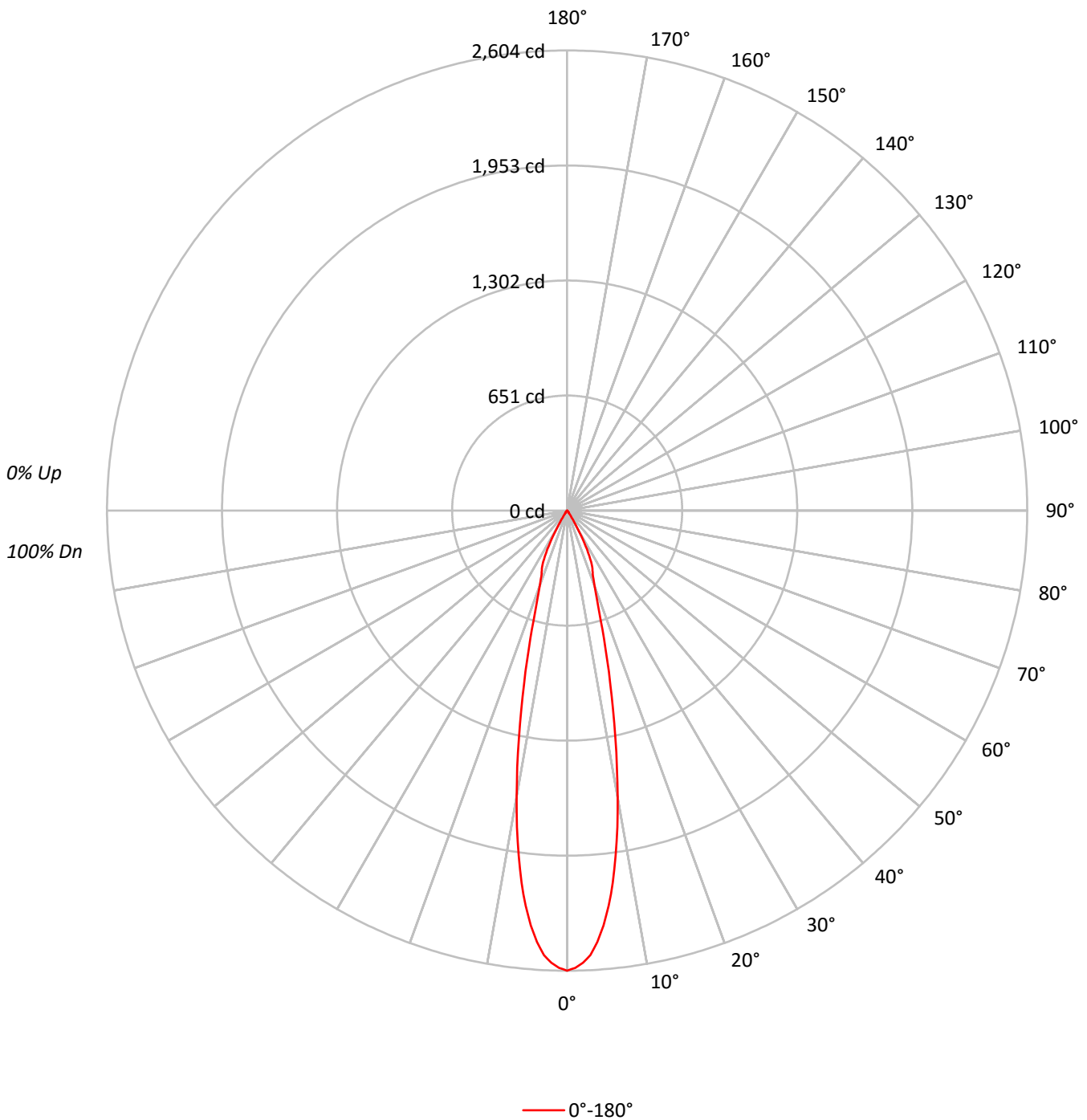
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	570985
5°	518819
10°	366682
15°	198162
20°	105382
25°	77521
30°	31296
35°	5996
40°	3149
45°	1427
50°	1160
55°	1032
60°	833
65°	778
70°	705
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.9	32.8
10°-20°	246.4	40.0
20°-30°	135.6	22.0
30°-40°	22.5	3.7
40°-50°	4.1	0.7
50°-60°	2.4	0.4
60°-70°	1.5	0.2
70°-80°	0.8	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°	583.9	94.9
0°-40°	606.4	98.5
0°-60°	612.9	99.6
0°-90°	615.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2604	
5°	2357	202
15°	873	246
25°	320	136
35°	22	22
45°	5	4
55°	3	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2603.9
1°	2587.9
2°	2561.0
3°	2518.5
4°	2446.5
5°	2357.0
6°	2248.9
7°	2120.4
8°	1974.0
9°	1813.6
10°	1646.8
11°	1478.4
12°	1313.1
13°	1155.0
14°	1009.0
15°	872.9
16°	755.3
17°	649.5
18°	566.9
19°	500.9
20°	451.6
21°	414.1
22°	386.8
23°	367.4
24°	348.1
25°	320.4
26°	285.9
27°	247.2
28°	205.1
29°	163.8
30°	123.6
32.5°	44.7
35°	22.4
37.5°	15.9
40°	11.0
42.5°	5.7
45°	4.6
47.5°	4.2
50°	3.4
52.5°	3.0
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.9
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°	0.8
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)