

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: P220671

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED2797-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220671
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-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1135.0 lumens
Efficiency: N/A
Efficacy: 56.5 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

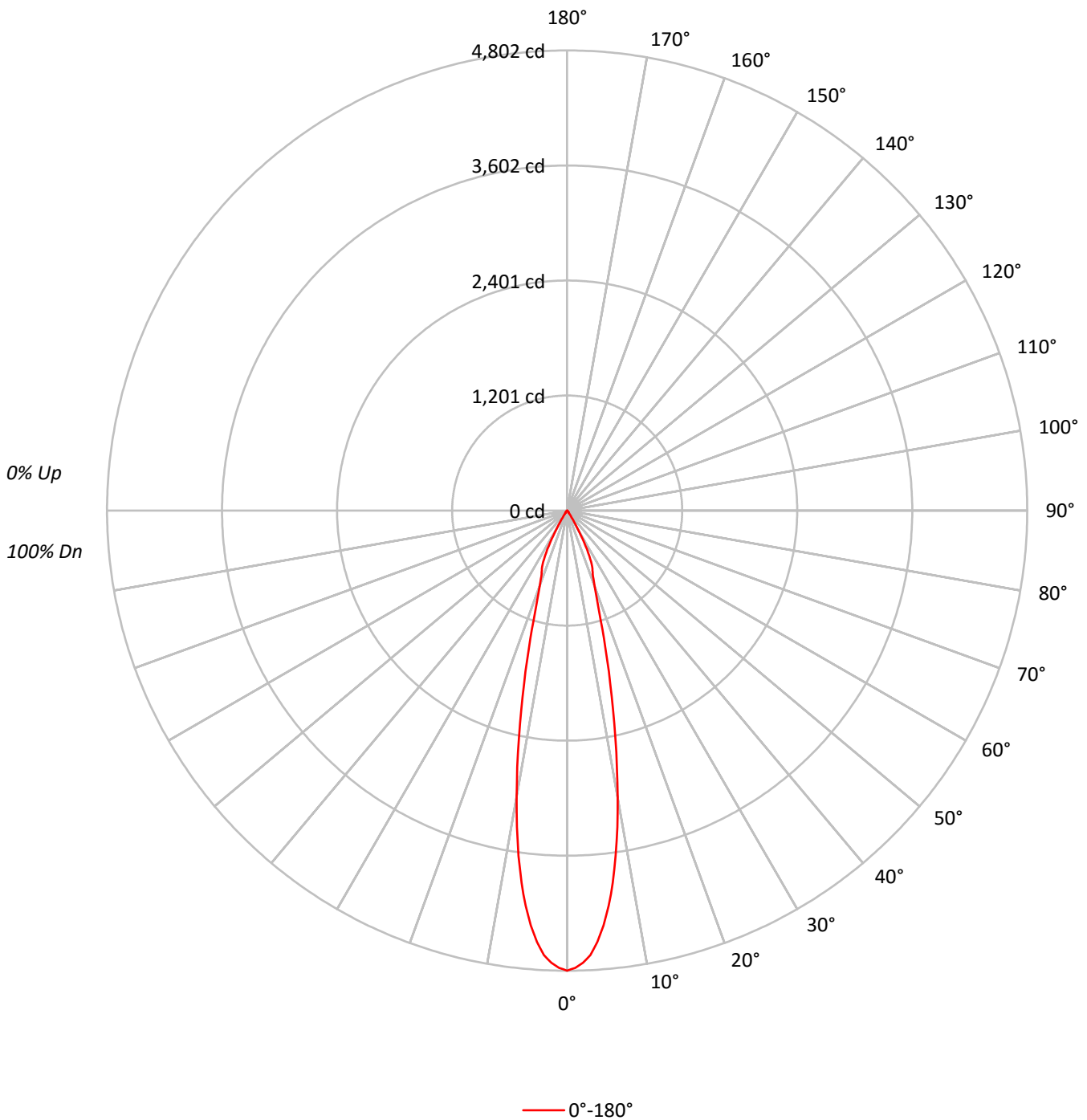
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220671

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-M-BK-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220671

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-M-BK-L2-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	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°	1052920
5°	956744
10°	676184
15°	365428
20°	194337
25°	142968
30°	57730
35°	11056
40°	5811
45°	2605
50°	2149
55°	1873
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



TEST NUMBER: P220671

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-M-BK-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.4	32.8
10°-20°	454.3	40.0
20°-30°	250.1	22.0
30°-40°	41.5	3.7
40°-50°	7.6	0.7
50°-60°	4.4	0.4
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.5	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°	1076.8	94.9
0°-40°	1118.3	98.5
0°-60°	1130.3	99.6
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4802	
5°	4346	372
15°	1610	454
25°	591	250
35°	41	42
45°	8	8
55°	5	4
65°	3	3
75°	1	1
85°	1	0
90°	0	



TEST NUMBER: P220671

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-M-BK-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	4801.7
1°	4772.4
2°	4722.7
3°	4644.4
4°	4511.5
5°	4346.5
6°	4147.2
7°	3910.2
8°	3640.3
9°	3344.5
10°	3036.8
11°	2726.4
12°	2421.5
13°	2129.9
14°	1860.7
15°	1609.7
16°	1392.9
17°	1197.8
18°	1045.4
19°	923.7
20°	832.8
21°	763.6
22°	713.2
23°	677.6
24°	641.9
25°	590.9
26°	527.2
27°	455.9
28°	378.3
29°	302.1
30°	228.0
32.5°	82.5
35°	41.3
37.5°	29.4
40°	20.3
42.5°	10.5
45°	8.4
47.5°	7.7
50°	6.3
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	3.5
65°	2.8



TEST NUMBER: P220671

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)