

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: P220637

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220637
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-L2-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: 1139.5 lumens
Efficiency: N/A
Efficacy: 56.7 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

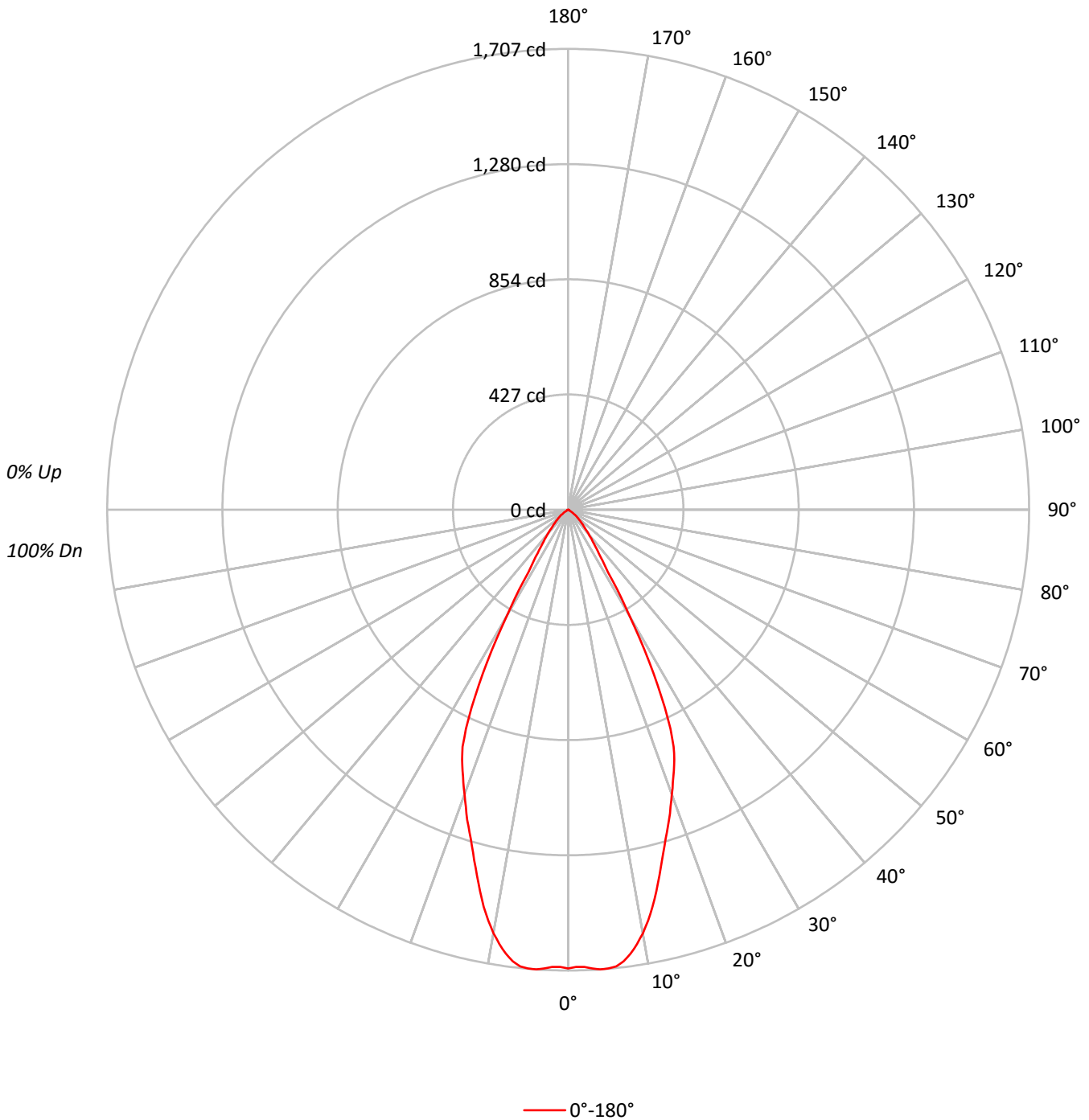
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	372602
5°	375412
10°	354681
15°	305110
20°	261893
25°	216714
30°	115613
35°	52602
40°	33634
45°	22111
50°	15522
55°	7761
60°	1842
65°	1816
70°	1795
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	14.0
10°-20°	375.8	33.0
20°-30°	384.1	33.7
30°-40°	139.1	12.2
40°-50°	57.3	5.0
50°-60°	18.5	1.6
60°-70°	3.3	0.3
70°-80°	1.6	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°	919.3	80.7
0°-40°	1058.4	92.9
0°-60°	1134.2	99.5
0°-90°	1139.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1139.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1699	
5°	1706	159
15°	1344	376
25°	896	384
35°	196	139
45°	71	57
55°	20	19
65°	4	3
75°	1	2
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1699.2
1°	1694.3
2°	1695.0
3°	1701.3
4°	1706.9
5°	1705.5
6°	1700.6
7°	1685.2
8°	1660.7
9°	1628.5
10°	1592.9
11°	1550.2
12°	1503.4
13°	1450.9
14°	1396.4
15°	1344.0
16°	1293.6
17°	1249.6
18°	1209.0
19°	1164.2
20°	1122.3
21°	1082.4
22°	1043.3
23°	1005.5
24°	960.8
25°	895.7
26°	816.0
27°	729.3
28°	637.7
29°	545.4
30°	456.6
32.5°	274.1
35°	196.5
37.5°	151.7
40°	117.5
42.5°	89.5
45°	71.3
47.5°	57.3
50°	45.5
52.5°	33.6
55°	20.3
57.5°	5.6
60°	4.2
62.5°	3.5
65°	3.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.8
70°	2.8
72.5°	2.1
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)