

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: P220480

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2797-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
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]-LED2797-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1312.8 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

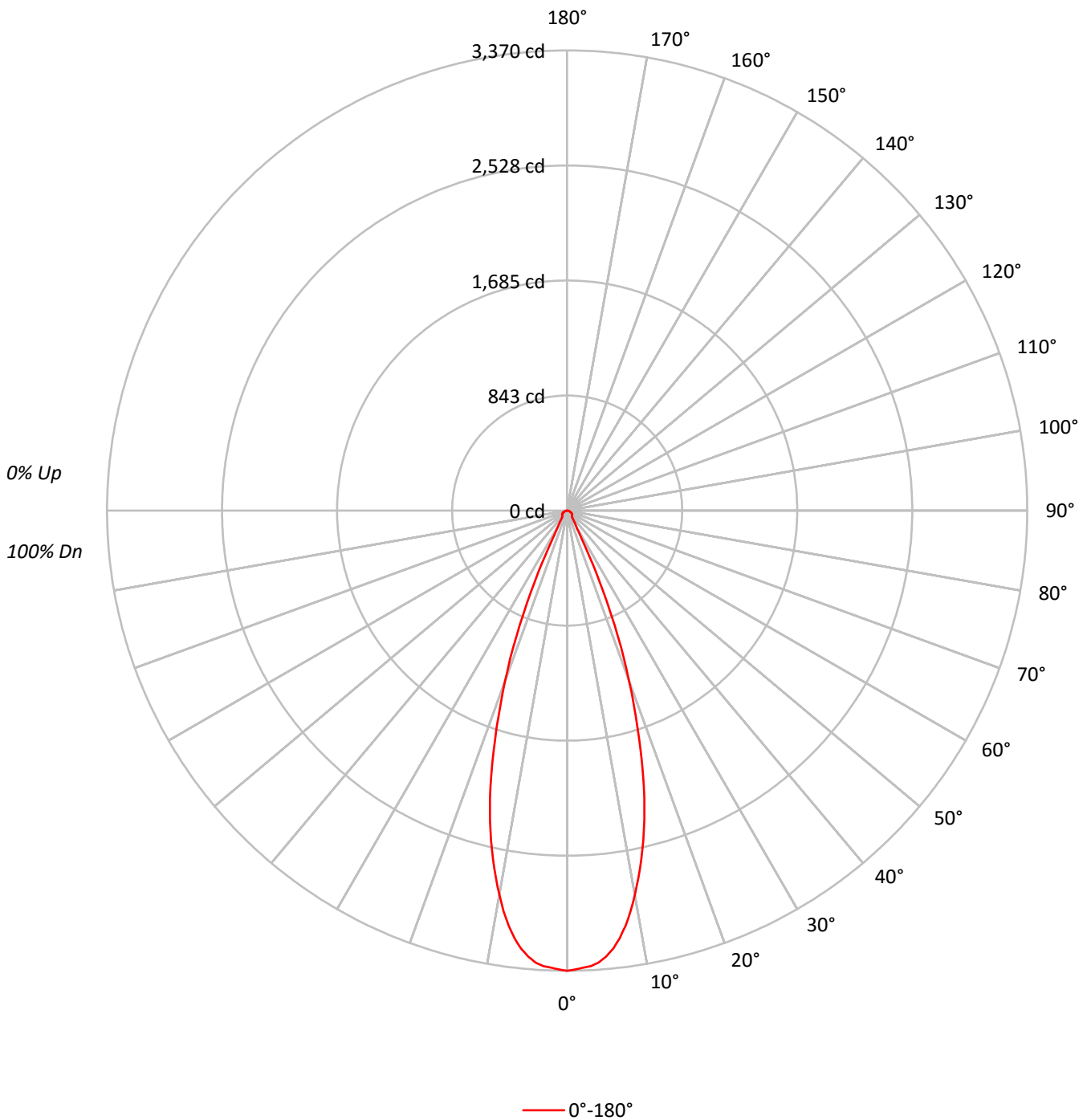
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	739064
5°	721570
10°	636483
15°	495258
20°	309380
25°	120805
30°	32942
35°	19274
40°	15400
45°	15599
50°	16443
55°	16860
60°	16578
65°	15255
70°	13015
75°	11861
80°	13259
85°	12328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.6	22.8
10°-20°	584.7	44.5
20°-30°	250.8	19.1
30°-40°	49.5	3.8
40°-50°	39.2	3.0
50°-60°	39.1	3.0
60°-70°	29.0	2.2
70°-80°	15.5	1.2
80°-90°	5.4	0.4
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°	1135.1	86.5
0°-40°	1184.6	90.2
0°-60°	1262.9	96.2
0°-90°	1312.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3370	
5°	3278	300
15°	2182	585
25°	499	251
35°	72	49
45°	50	39
55°	44	39
65°	29	29
75°	14	16
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3370.4
1°	3360.6
2°	3350.1
3°	3340.3
4°	3317.2
5°	3278.1
6°	3225.6
7°	3157.1
8°	3069.7
9°	2971.1
10°	2858.5
11°	2738.2
12°	2613.1
13°	2477.4
14°	2334.8
15°	2181.6
16°	2018.0
17°	1846.0
18°	1668.4
19°	1494.3
20°	1325.8
21°	1165.6
22°	993.6
23°	817.4
24°	649.6
25°	499.3
26°	368.5
27°	260.8
28°	186.0
29°	147.5
30°	130.1
32.5°	98.6
35°	72.0
37.5°	58.7
40°	53.8
42.5°	51.7
45°	50.3
47.5°	49.6
50°	48.2
52.5°	46.2
55°	44.1
57.5°	41.3
60°	37.8
62.5°	34.3
65°	29.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.5
70°	20.3
72.5°	16.8
75°	14.0
77.5°	12.6
80°	10.5
82.5°	7.7
85°	4.9
87.5°	2.1
90°	0.0

(END OF REPORT)