

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: P220484

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2790-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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]-LED2790-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 696.2 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

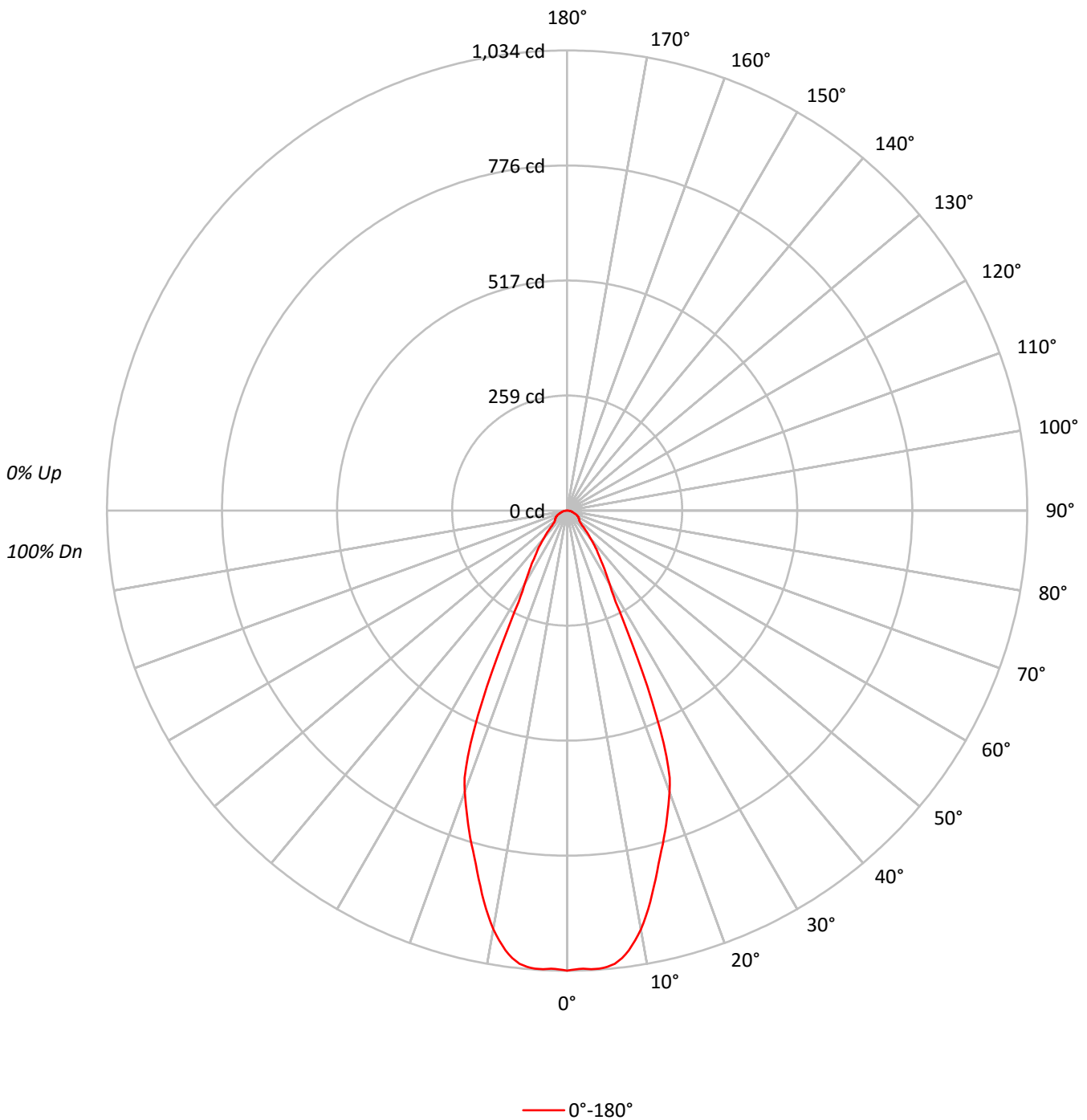
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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

	0°
0°	226692
5°	226568
10°	212621
15°	182861
20°	157047
25°	96707
30°	48261
35°	33836
40°	23530
45°	15102
50°	12281
55°	12501
60°	12718
65°	12297
70°	11028
75°	10421
80°	11365
85°	11322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	13.8
10°-20°	225.4	32.4
20°-30°	183.0	26.3
30°-40°	80.9	11.6
40°-50°	40.6	5.8
50°-60°	29.2	4.2
60°-70°	23.1	3.3
70°-80°	13.2	1.9
80°-90°	4.9	0.7
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°	504.4	72.5
0°-40°	585.3	84.1
0°-60°	655.0	94.1
0°-90°	696.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1034	
5°	1029	96
15°	806	225
25°	400	183
35°	126	81
45°	49	41
55°	33	29
65°	24	23
75°	12	13
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1033.8
1°	1031.0
2°	1030.1
3°	1031.8
4°	1031.8
5°	1029.3
6°	1024.0
7°	1013.4
8°	997.8
9°	977.8
10°	954.9
11°	928.3
12°	898.8
13°	866.9
14°	835.4
15°	805.5
16°	779.8
17°	752.8
18°	725.8
19°	698.8
20°	673.0
21°	643.1
22°	596.1
23°	535.5
24°	469.3
25°	399.7
26°	334.2
27°	276.2
28°	232.0
29°	206.6
30°	190.6
32.5°	156.3
35°	126.4
37.5°	104.3
40°	82.2
42.5°	65.0
45°	48.7
47.5°	39.3
50°	36.0
52.5°	34.4
55°	32.7
57.5°	30.7
60°	29.0
62.5°	26.6
65°	23.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	20.0
70°	17.2
72.5°	13.9
75°	12.3
77.5°	10.6
80°	9.0
82.5°	7.0
85°	4.5
87.5°	2.0
90°	0.0

(END OF REPORT)