

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: P221170

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LEDCW-F-WT-LC2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221170  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29560)  
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-LEDCW-F-WT-LC2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 645.4 lumens  
Efficiency: N/A  
Efficacy: 26.9 lumens/watt  
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.62  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

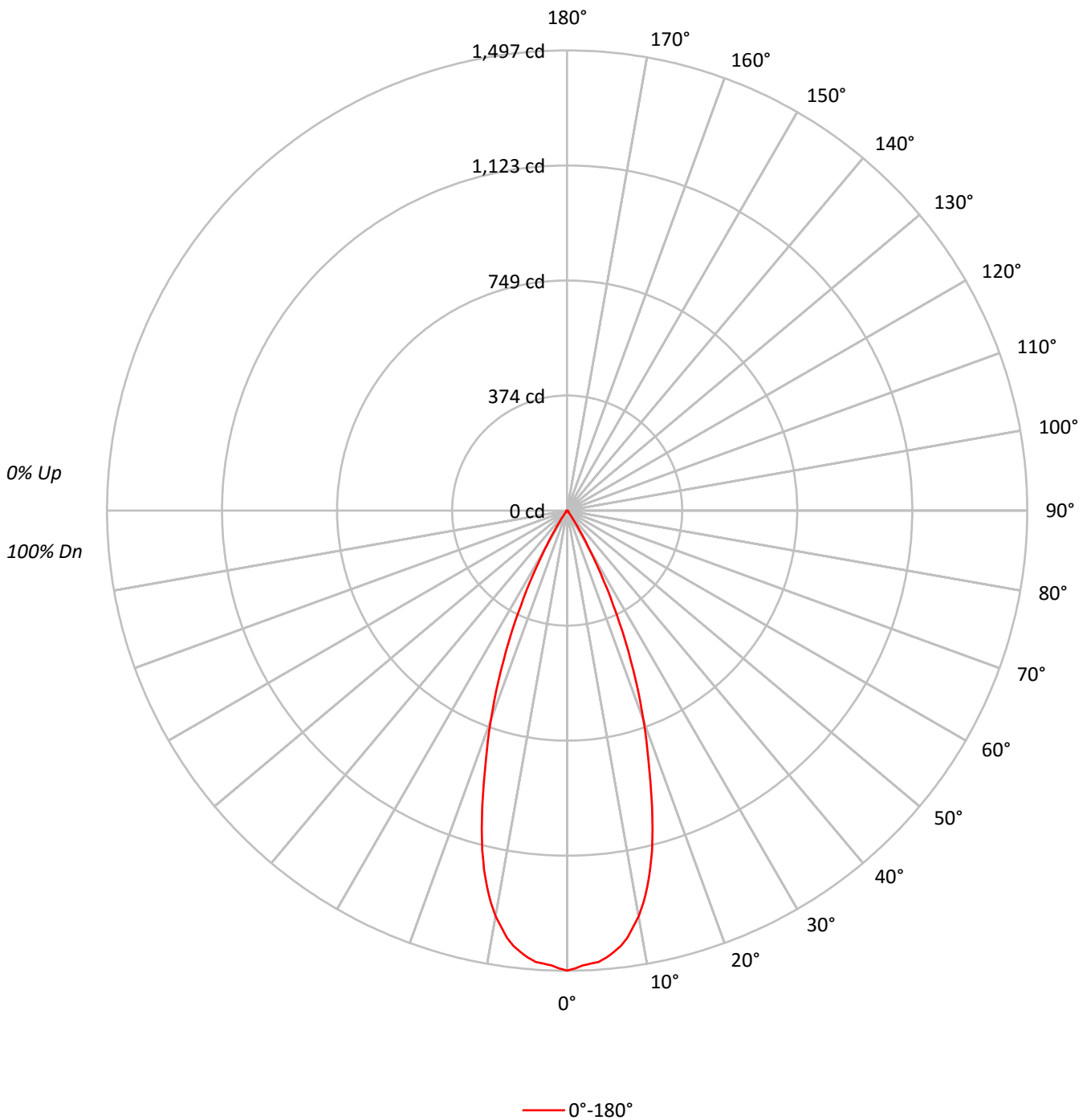
Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	84	97	91	86	83	89	85	83	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

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

	0°
0°	328175
5°	321351
10°	298369
15°	243679
20°	169765
25°	97602
30°	36385
35°	6371
40°	1975
45°	1240
50°	1706
55°	1912
60°	877
65°	519
70°	641
75°	847
80°	1263
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.6	21.0
10°-20°	290.0	44.9
20°-30°	183.2	28.4
30°-40°	27.0	4.2
40°-50°	3.7	0.6
50°-60°	3.7	0.6
60°-70°	1.1	0.2
70°-80°	1.1	0.2
80°-90°	0.1	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°	608.8	94.3
0°-40°	635.8	98.5
0°-60°	643.1	99.6
0°-90°	645.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1497	
5°	1460	136
15°	1073	290
25°	403	183
35°	24	27
45°	4	4
55°	5	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1496.6
1°	1489.7
2°	1480.7
3°	1475.8
4°	1471.8
5°	1459.9
6°	1445.1
7°	1427.2
8°	1404.4
9°	1371.7
10°	1340.0
11°	1300.4
12°	1252.8
13°	1200.2
14°	1140.8
15°	1073.4
16°	1001.0
17°	926.7
18°	855.3
19°	790.9
20°	727.5
21°	661.1
22°	593.7
23°	530.3
24°	467.8
25°	403.4
26°	342.9
27°	287.4
28°	233.9
29°	185.3
30°	143.7
32.5°	74.3
35°	23.8
37.5°	8.9
40°	6.9
42.5°	4.0
45°	4.0
47.5°	5.0
50°	5.0
52.5°	5.0
55°	5.0
57.5°	3.0
60°	2.0
62.5°	1.0
65°	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)