

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: P221149

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LEDCW-M-WT-LC2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221149  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29551)  
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]-LEDCW-M-WT-LC2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM 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: 624.3 lumens  
Efficiency: N/A  
Efficacy: 26.0 lumens/watt  
Spacing Criteria (0/90/45): 0.49 / 0.49 / 0.5  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

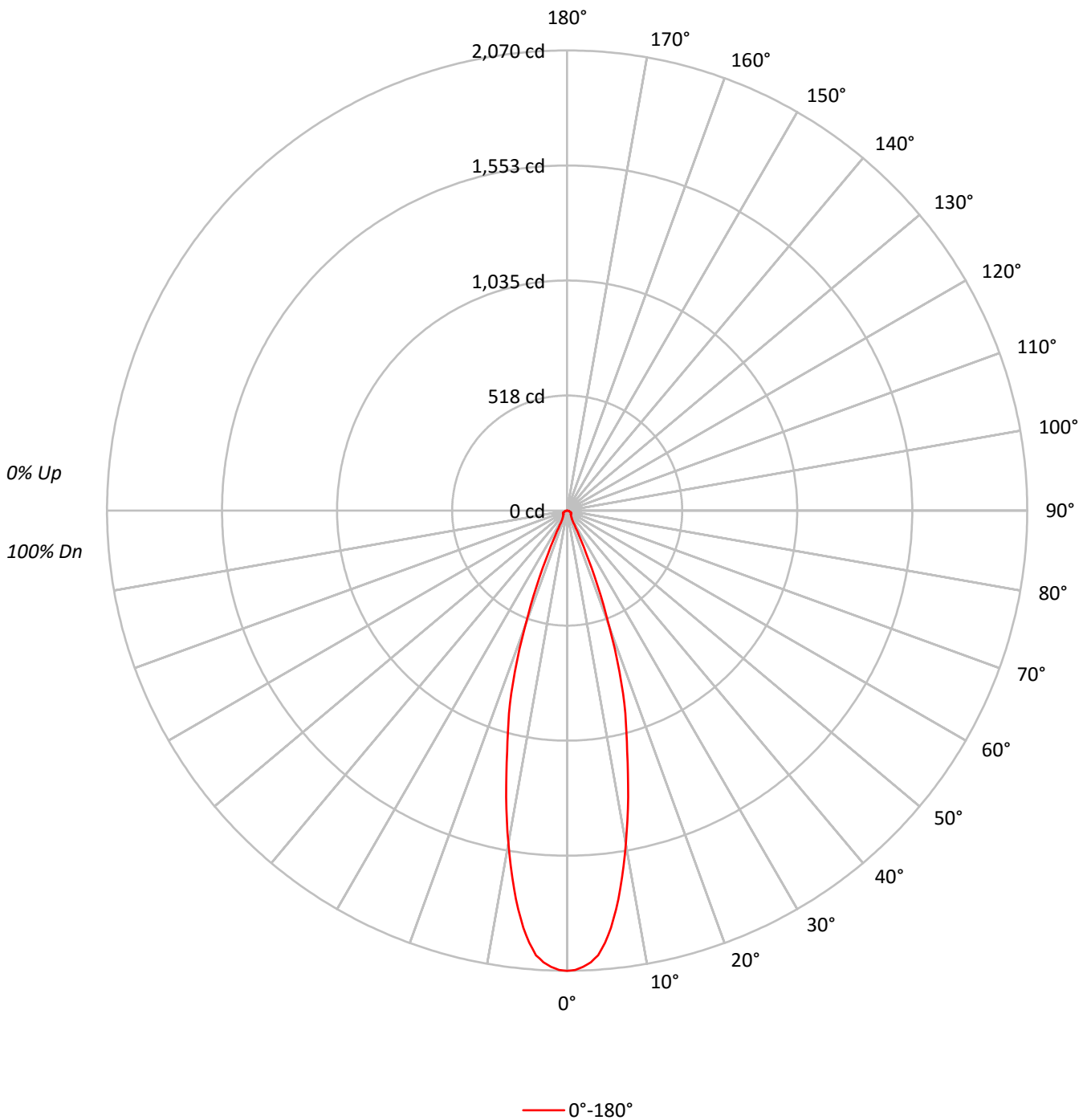
Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	90	85	81	96	89	85	81	87	83	80	86	82	80	84	81	79	78
6	94	86	81	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	74	71	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°	454021
5°	429561
10°	338760
15°	234008
20°	129278
25°	35978
30°	10786
35°	8486
40°	7672
45°	7071
50°	7437
55°	8717
60°	9122
65°	8717
70°	6988
75°	5846
80°	7450
85°	7548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	27.6
10°-20°	279.5	44.8
20°-30°	86.7	13.9
30°-40°	20.5	3.3
40°-50°	17.9	2.9
50°-60°	20.1	3.2
60°-70°	16.2	2.6
70°-80°	8.2	1.3
80°-90°	3.3	0.5
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°	538.2	86.2
0°-40°	558.7	89.5
0°-60°	596.7	95.6
0°-90°	624.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2070	
5°	1952	172
15°	1031	279
25°	149	87
35°	32	21
45°	23	18
55°	23	20
65°	17	16
75°	7	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2070.5
1°	2066.5
2°	2053.6
3°	2034.8
4°	2005.0
5°	1951.5
6°	1887.1
7°	1807.8
8°	1718.6
9°	1619.5
10°	1521.4
11°	1421.3
12°	1318.2
13°	1215.1
14°	1116.0
15°	1030.8
16°	948.5
17°	859.3
18°	762.2
19°	657.1
20°	554.0
21°	454.9
22°	365.7
23°	281.5
24°	210.1
25°	148.7
26°	103.1
27°	71.4
28°	52.5
29°	46.6
30°	42.6
32.5°	36.7
35°	31.7
37.5°	28.7
40°	26.8
42.5°	24.8
45°	22.8
47.5°	20.8
50°	21.8
52.5°	22.8
55°	22.8
57.5°	22.8
60°	20.8
62.5°	18.8
65°	16.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.9
70°	10.9
72.5°	8.9
75°	6.9
77.5°	6.9
80°	5.9
82.5°	5.0
85°	3.0
87.5°	1.0
90°	0.0

(END OF REPORT)