

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: P221151

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29552)  
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-F-WT-LC2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 626.1 lumens  
Efficiency: N/A  
Efficacy: 26.1 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.58  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

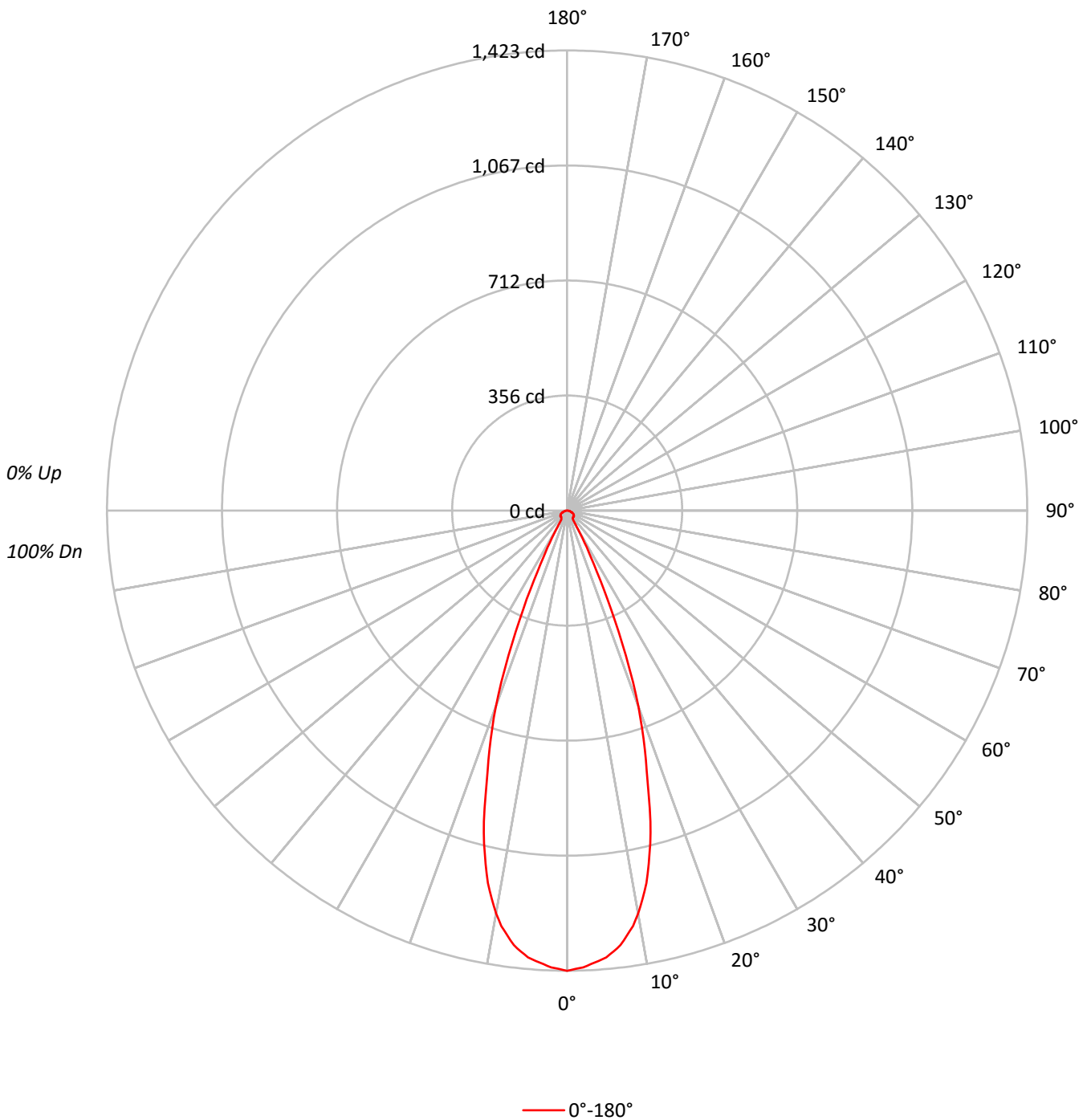
Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	96	106	102	98	95	98	96	93		95	93	91		93	91	89	87
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	82
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	74	81	77	73		80	76	73		78	75	72	71
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73	69	66	65
9	82	73	68	65	81	73	68	65	72	67	64		71	67	64		70	67	64	63
10	79	71	66	62	78	70	65	62	69	65	62		69	65	62		68	64	62	60

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

	0°
0°	312102
5°	305216
10°	281602
15°	225904
20°	150560
25°	64988
30°	16560
35°	8486
40°	7958
45°	8311
50°	9484
55°	9863
60°	9999
65°	9755
70°	8912
75°	7540
80°	8713
85°	10064



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.6	20.5
10°-20°	267.3	42.7
20°-30°	131.1	20.9
30°-40°	21.9	3.5
40°-50°	21.2	3.4
50°-60°	22.8	3.6
60°-70°	18.7	3.0
70°-80°	10.3	1.6
80°-90°	4.2	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°	527.1	84.2
0°-40°	549.0	87.7
0°-60°	592.9	94.7
0°-90°	626.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	626.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1423	
5°	1387	129
15°	995	267
25°	269	131
35°	32	22
45°	27	21
55°	26	23
65°	19	19
75°	9	10
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1423.3
1°	1417.3
2°	1413.3
3°	1404.4
4°	1396.5
5°	1386.6
6°	1370.7
7°	1353.9
8°	1327.1
9°	1300.4
10°	1264.7
11°	1223.0
12°	1177.5
13°	1121.0
14°	1061.5
15°	995.1
16°	915.8
17°	840.5
18°	778.0
19°	711.6
20°	645.2
21°	568.9
22°	483.7
23°	407.4
24°	333.0
25°	268.6
26°	210.1
27°	162.5
28°	128.8
29°	97.1
30°	65.4
32.5°	34.7
35°	31.7
37.5°	28.7
40°	27.8
42.5°	26.8
45°	26.8
47.5°	27.8
50°	27.8
52.5°	26.8
55°	25.8
57.5°	23.8
60°	22.8
62.5°	21.8
65°	18.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	16.8
70°	13.9
72.5°	10.9
75°	8.9
77.5°	8.9
80°	6.9
82.5°	5.9
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)