

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: P221150

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221150  
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]-LED CR-F-WT-LC2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 631.7 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

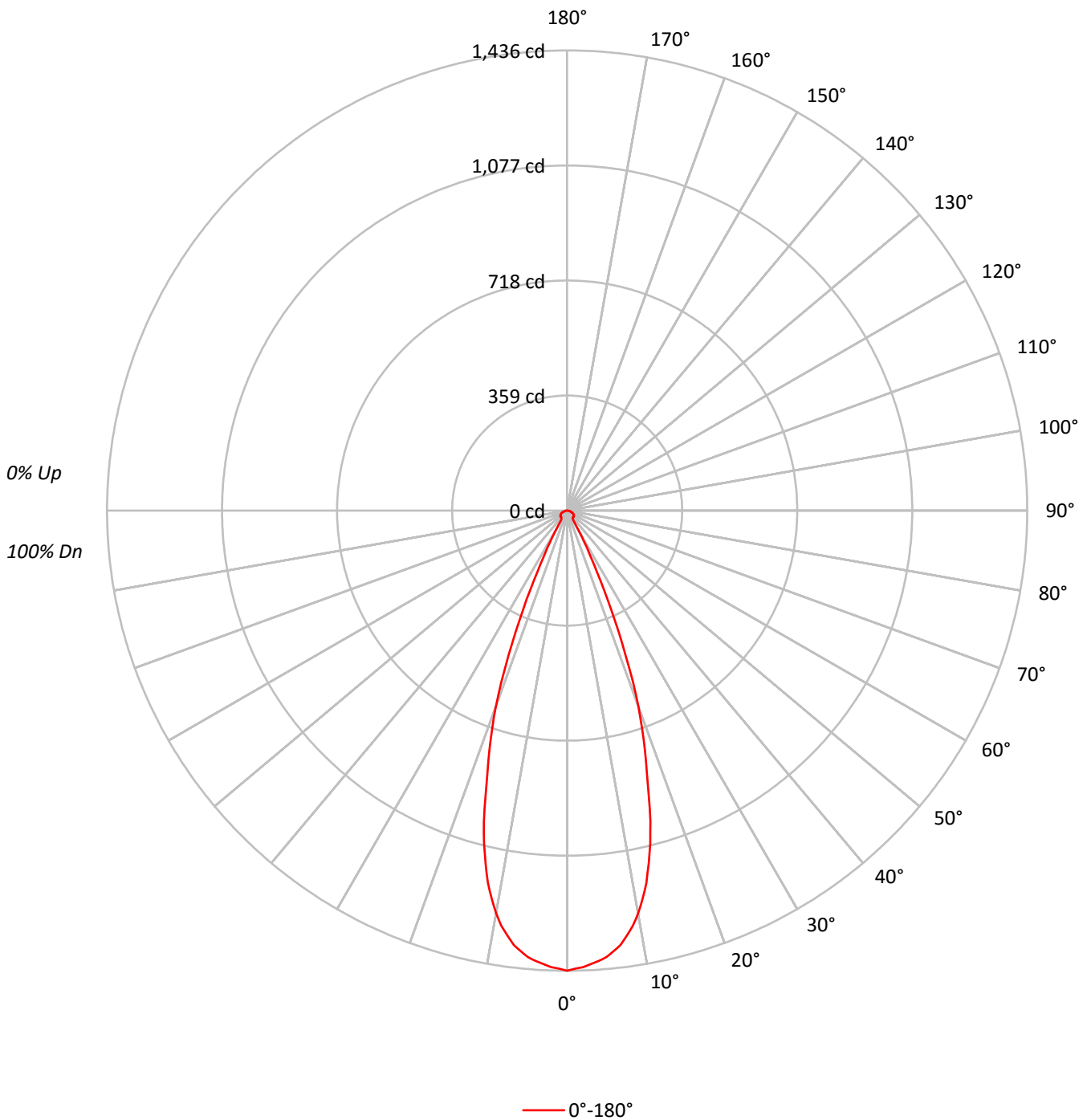
Input Watts (W): 24.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	314887
5°	307945
10°	284119
15°	227924
20°	151913
25°	65568
30°	16711
35°	8566
40°	8015
45°	8373
50°	9552
55°	9940
60°	10087
65°	9858
70°	8976
75°	7625
80°	8840
85°	10064



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.8	20.5
10°-20°	269.7	42.7
20°-30°	132.3	20.9
30°-40°	22.1	3.5
40°-50°	21.3	3.4
50°-60°	22.9	3.6
60°-70°	18.9	3.0
70°-80°	10.4	1.7
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°	531.8	84.2
0°-40°	553.9	87.7
0°-60°	598.1	94.7
0°-90°	631.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	631.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1436	
5°	1399	130
15°	1004	270
25°	271	132
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°	1436
1°	1430
2°	1426
3°	1417
4°	1409
5°	1399
6°	1383
7°	1366
8°	1339
9°	1312
10°	1276
11°	1234
12°	1188
13°	1131
14°	1071
15°	1004
16°	924
17°	848
18°	785
19°	718
20°	651
21°	574
22°	488
23°	411
24°	336
25°	271
26°	212
27°	164
28°	130
29°	98
30°	66
32.5°	35
35°	32
37.5°	29
40°	28
42.5°	27
45°	27
47.5°	28
50°	28
52.5°	27
55°	26
57.5°	24
60°	23
62.5°	22
65°	19



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	17
70°	14
72.5°	11
75°	9
77.5°	9
80°	7
82.5°	6
85°	4
87.5°	2
90°	0

(END OF REPORT)