

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: P221174

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LEDCR-S-BK-LC2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29558)  
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-LEDCR-S-BK-LC2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK 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: 649.6 lumens  
Efficiency: N/A  
Efficacy: 26.7 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.42  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

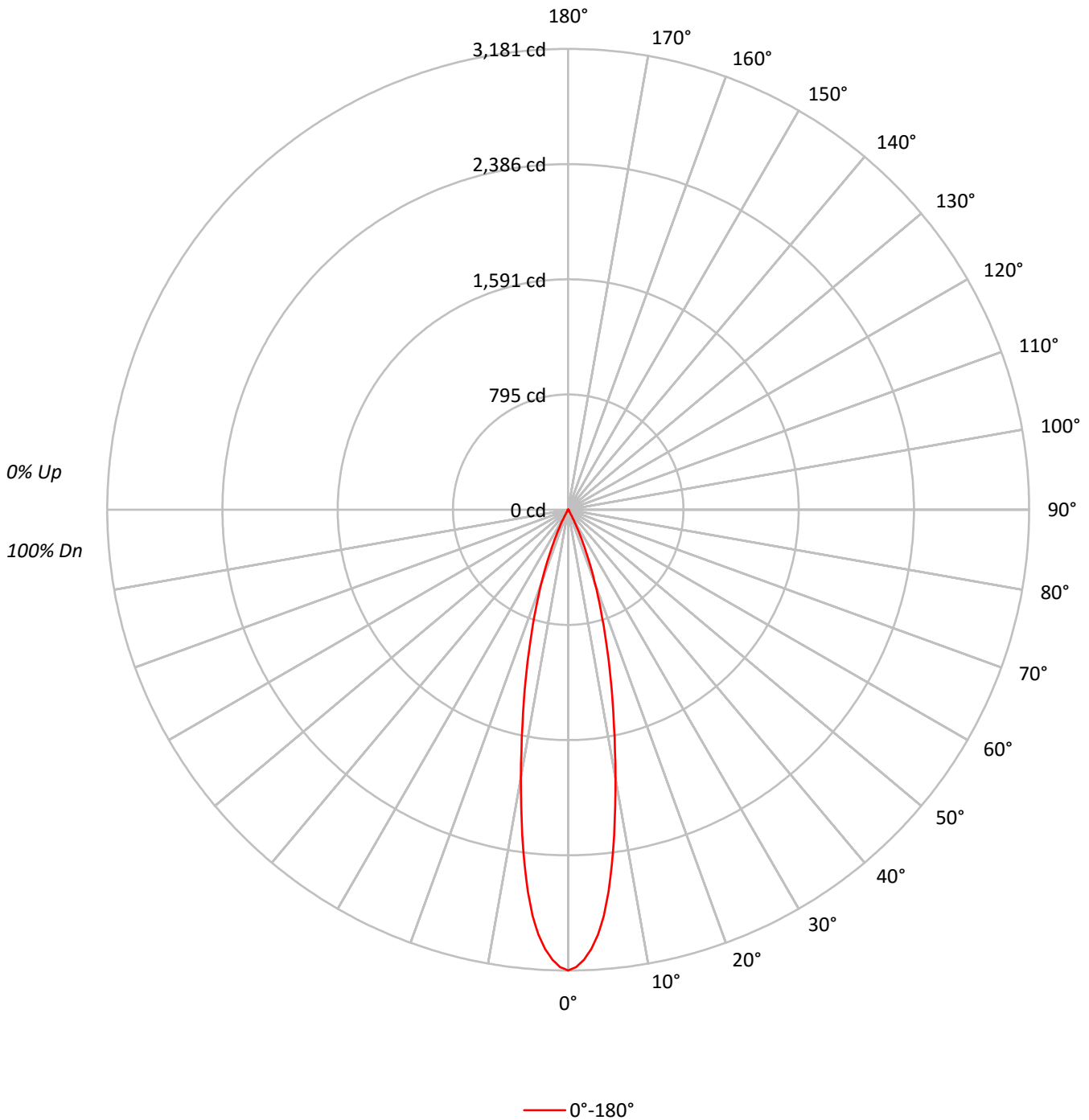
Input Watts (W): 24.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221174

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED CR-S-BK-LC2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221174

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED CR-S-BK-LC2-UNV

**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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	100	96	93	103	98	95	92	96	94	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	85
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81
8	94	87	83	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75

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

	0°
0°	697532
5°	619193
10°	418830
15°	245177
20°	126011
25°	47664
30°	8862
35°	2409
40°	2004
45°	1551
50°	682
55°	765
60°	439
65°	1038
70°	641
75°	847
80°	1263
85°	0



TEST NUMBER: P221174

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED CR-S-BK-LC2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.0	36.5
10°-20°	297.7	45.8
20°-30°	99.2	15.3
30°-40°	7.6	1.2
40°-50°	3.5	0.5
50°-60°	1.7	0.3
60°-70°	1.5	0.2
70°-80°	1.1	0.2
80°-90°	0.4	0.1
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°	633.9	97.6
0°-40°	641.5	98.7
0°-60°	646.7	99.5
0°-90°	649.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3181	
5°	2813	237
15°	1080	298
25°	197	99
35°	9	8
45°	5	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P221174

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED CR-S-BK-LC2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3181
1°	3158
2°	3108
3°	3037
4°	2941
5°	2813
6°	2653
7°	2468
8°	2273
9°	2075
10°	1881
11°	1693
12°	1518
13°	1359
14°	1214
15°	1080
16°	952
17°	833
18°	726
19°	632
20°	540
21°	457
22°	381
23°	313
24°	253
25°	197
26°	153
27°	116
28°	84
29°	56
30°	35
32.5°	12
35°	9
37.5°	8
40°	7
42.5°	6
45°	5
47.5°	3
50°	2
52.5°	2
55°	2
57.5°	2
60°	1
62.5°	1
65°	2



TEST NUMBER: P221174

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED CR-S-BK-LC2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2
70°	1
72.5°	1
75°	1
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)