

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: P221175

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221175  
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-LEDCW-S-BK-LC2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK 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: 643.9 lumens  
Efficiency: N/A  
Efficacy: 26.8 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

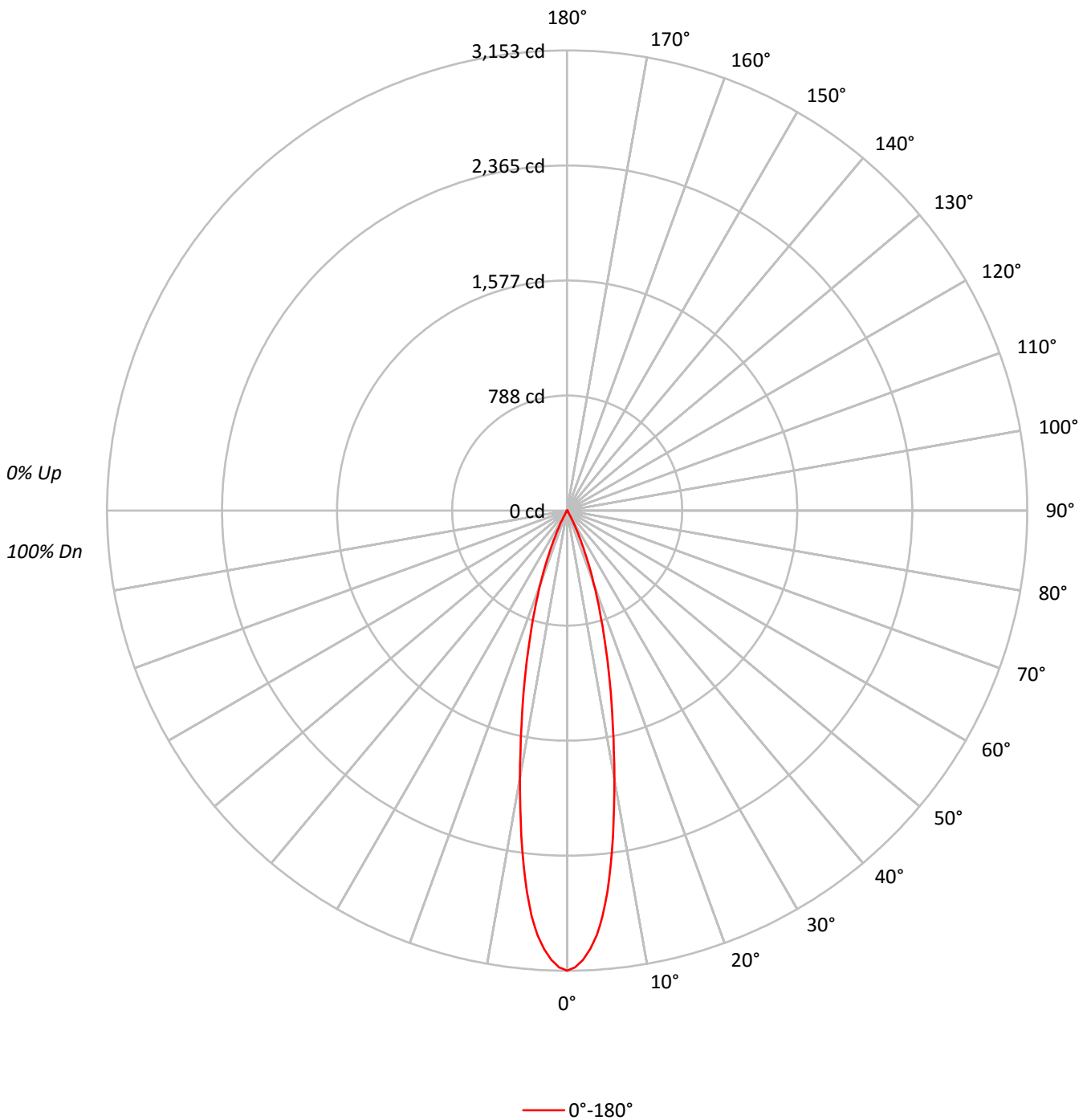
Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	691348
5°	613690
10°	415111
15°	242998
20°	124891
25°	47253
30°	8786
35°	2382
40°	1975
45°	1551
50°	682
55°	765
60°	439
65°	1038
70°	641
75°	847
80°	1263
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.9	36.5
10°-20°	295.1	45.8
20°-30°	98.3	15.3
30°-40°	7.5	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°	628.3	97.6
0°-40°	635.8	98.7
0°-60°	641.0	99.5
0°-90°	643.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	643.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3153	
5°	2788	235
15°	1070	295
25°	195	98
35°	9	8
45°	5	3
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3152.8
1°	3130.0
2°	3080.4
3°	3010.1
4°	2914.9
5°	2788.0
6°	2629.5
7°	2446.1
8°	2252.8
9°	2056.6
10°	1864.3
11°	1678.0
12°	1504.5
13°	1346.9
14°	1203.2
15°	1070.4
16°	943.6
17°	825.6
18°	719.6
19°	626.4
20°	535.2
21°	452.9
22°	377.6
23°	310.2
24°	250.8
25°	195.3
26°	151.6
27°	115.0
28°	83.3
29°	55.5
30°	34.7
32.5°	11.9
35°	8.9
37.5°	7.9
40°	6.9
42.5°	5.9
45°	5.0
47.5°	3.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	2.0
60°	1.0
62.5°	1.0
65°	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)