

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: P220315

Luminaire Tested: **9002-W1-[RW, RI]-LED3590-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220315  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-[RW, RI]-LED3590-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 855.4 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

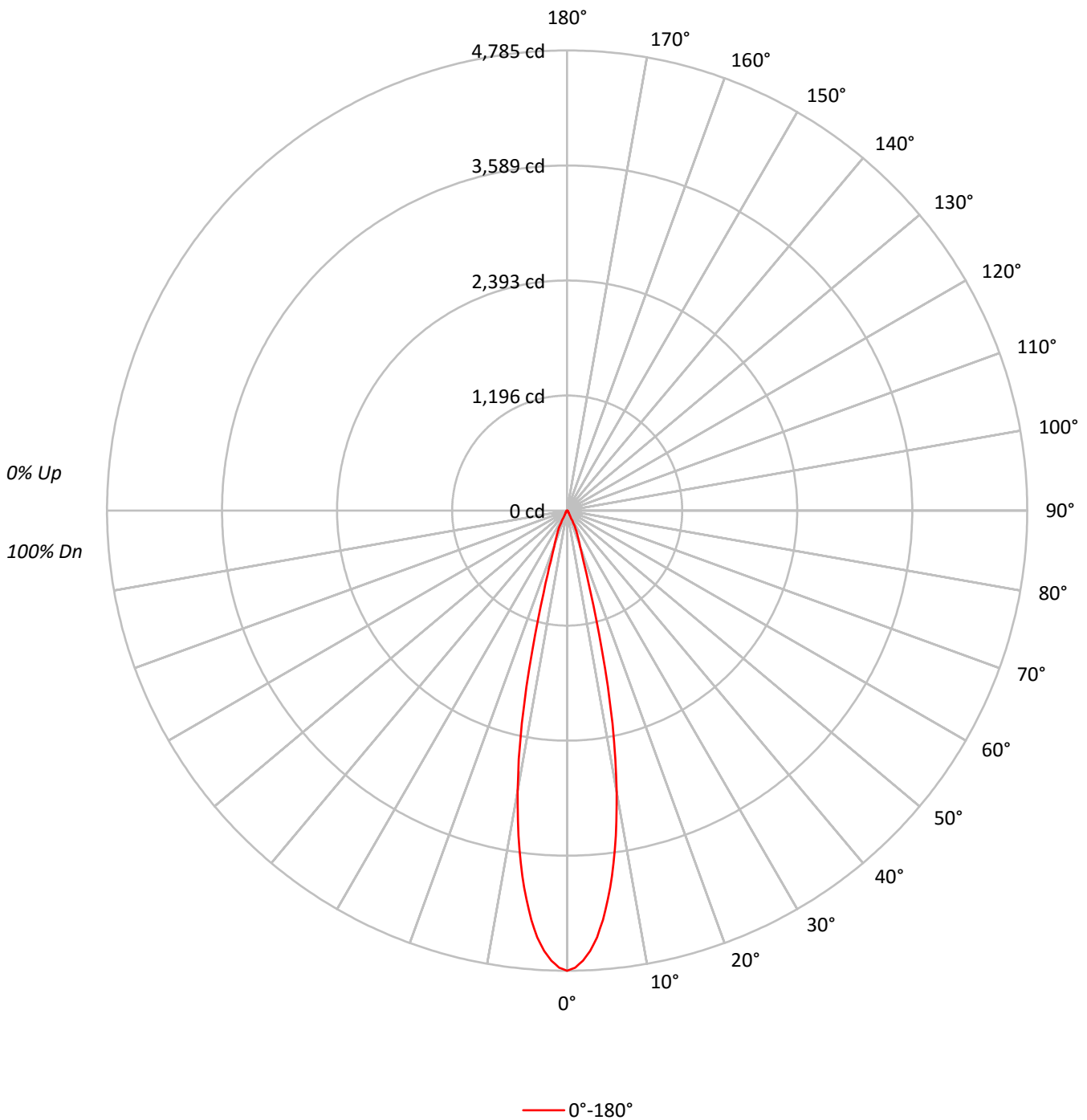
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	85	82	80	79
9	92	85	82	79	91	85	81	79	84	81	79	84	80	78	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76

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

	0°
0°	2361018
5°	2115372
10°	1485738
15°	592765
20°	203874
25°	113504
30°	27688
35°	15178
40°	11207
45°	10327
50°	9978
55°	10494
60°	10262
65°	10157
70°	9954
75°	9913
80°	9944
85°	9624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.5	42.7
10°-20°	346.5	40.5
20°-30°	87.8	10.3
30°-40°	17.1	2.0
40°-50°	11.5	1.3
50°-60°	10.8	1.3
60°-70°	8.6	1.0
70°-80°	5.7	0.7
80°-90°	1.9	0.2
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°	799.8	93.5
0°-40°	816.9	95.5
0°-60°	839.1	98.1
0°-90°	855.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	855.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4785	
5°	4271	366
15°	1160	346
25°	208	88
35°	25	17
45°	15	11
55°	12	11
65°	9	9
75°	5	6
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4785.4
1°	4752.4
2°	4683.8
3°	4584.7
4°	4448.4
5°	4271.2
6°	4062.7
7°	3826.4
8°	3562.3
9°	3273.1
10°	2965.6
11°	2632.0
12°	2262.8
13°	1878.9
14°	1497.6
15°	1160.5
16°	889.5
17°	691.4
18°	552.5
19°	456.0
20°	388.3
22.5°	282.3
25°	208.5
26°	167.6
27°	118.1
28°	79.0
29°	59.1
30°	48.6
32.5°	33.0
35°	25.2
37.5°	20.0
40°	17.4
42.5°	15.6
45°	14.8
47.5°	13.9
50°	13.0
52.5°	13.0
55°	12.2
57.5°	11.3
60°	10.4
62.5°	9.6
65°	8.7
67.5°	7.8
70°	6.9
72.5°	6.1



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	5.2
77.5°	5.2
80°	3.5
82.5°	2.6
85°	1.7
87.5°	0.9
90°	0.0

(END OF REPORT)