

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: P220323

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
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-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 904.1 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

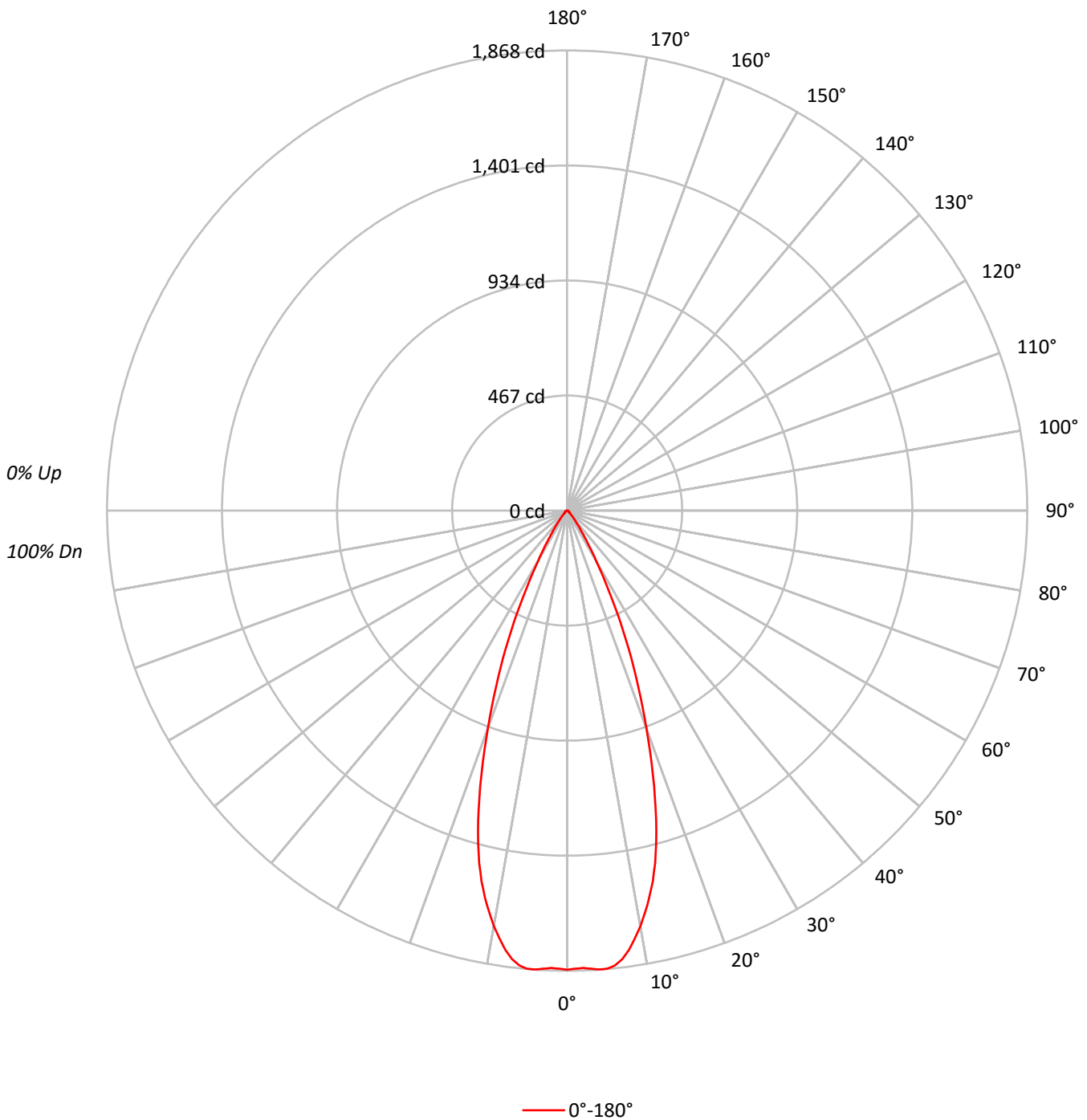
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	89	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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

	0°
0°	919709
5°	924510
10°	857746
15°	713923
20°	493488
25°	292715
30°	132627
35°	59146
40°	26857
45°	13955
50°	9364
55°	8946
60°	8585
65°	8055
70°	8800
75°	9913
80°	9944
85°	9624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.3	19.2
10°-20°	376.3	41.6
20°-30°	245.9	27.2
30°-40°	68.0	7.5
40°-50°	17.2	1.9
50°-60°	9.1	1.0
60°-70°	7.2	0.8
70°-80°	5.1	0.6
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°	795.5	88.0
0°-40°	863.5	95.5
0°-60°	889.9	98.4
0°-90°	904.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1864	
5°	1867	173
15°	1398	376
25°	538	246
35°	98	68
45°	20	17
55°	10	9
65°	7	7
75°	5	5
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1864.1
1°	1859.8
2°	1858.1
3°	1862.4
4°	1867.6
5°	1866.7
6°	1856.3
7°	1834.6
8°	1800.7
9°	1758.2
10°	1712.1
11°	1660.9
12°	1605.3
13°	1544.5
14°	1475.0
15°	1397.7
16°	1310.8
17°	1219.6
18°	1125.8
19°	1032.8
20°	939.9
22.5°	727.9
25°	537.7
26°	467.3
27°	397.0
28°	334.4
29°	278.0
30°	232.8
32.5°	148.5
35°	98.2
37.5°	63.4
40°	41.7
42.5°	28.7
45°	20.0
47.5°	14.8
50°	12.2
52.5°	10.4
55°	10.4
57.5°	9.6
60°	8.7
62.5°	7.8
65°	6.9
67.5°	6.9
70°	6.1
72.5°	5.2



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	5.2
77.5°	4.3
80°	3.5
82.5°	2.6
85°	1.7
87.5°	0.9
90°	0.0

(END OF REPORT)