

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: P220311

Luminaire Tested: **9002-W1-[RW, RI]-LED3597-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)  
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]-LED3597-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 380.6 lumens  
Efficiency: N/A  
Efficacy: 38.1 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

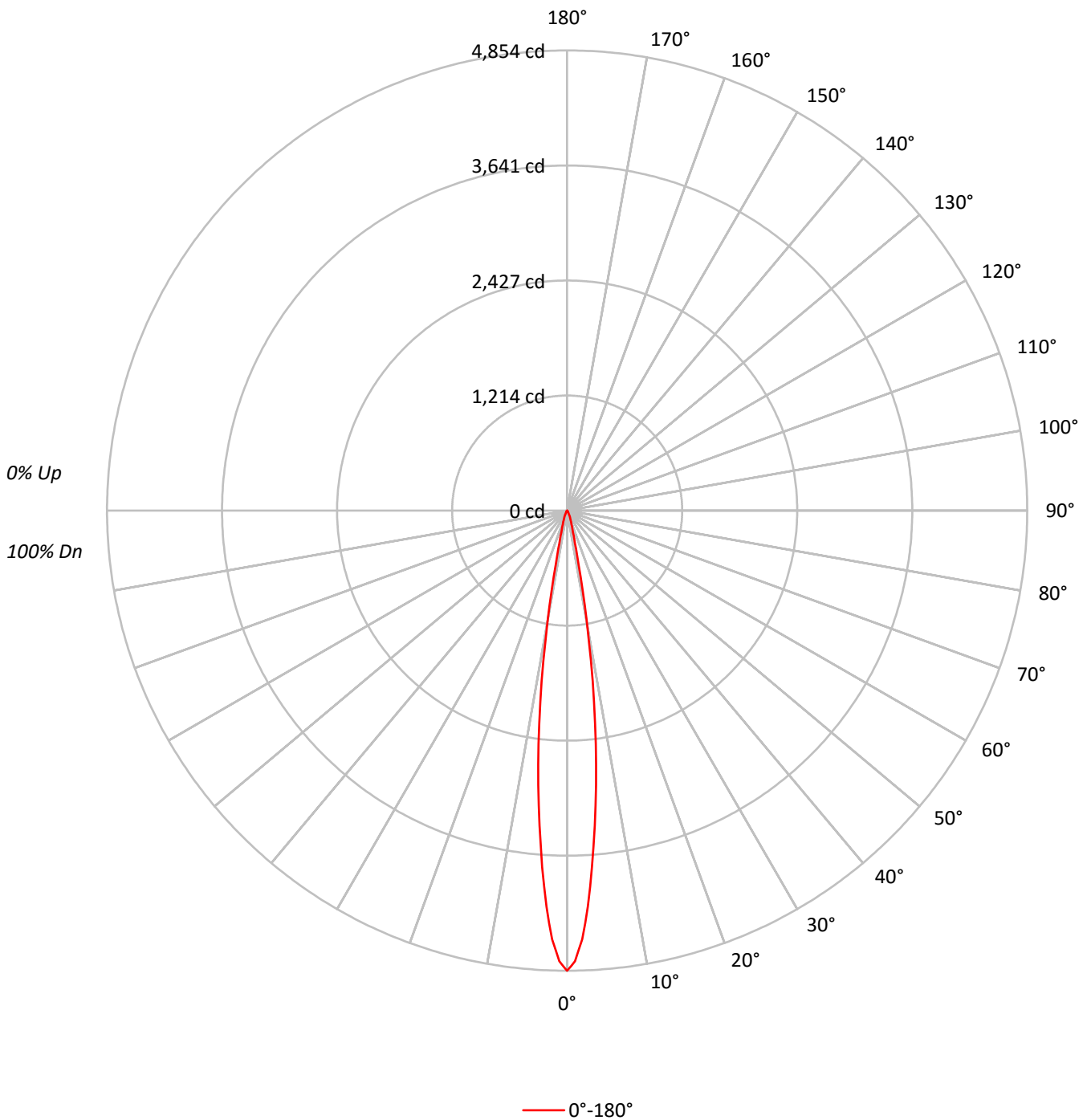
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	106	104	103	102	102	101	100	100	100	98	98	98	98
2	113	109	107	105	111	108	106	104	105	103	101	101	102	101	99	99	99	98	97	97	96	96	96	96
3	110	106	103	101	108	105	102	100	102	100	98	98	100	98	97	97	98	97	95	95	94	94	94	94
4	107	103	100	97	106	102	99	97	100	98	96	96	98	96	95	95	97	95	94	94	93	93	93	93
5	105	100	97	95	104	100	97	94	98	95	93	93	97	94	93	93	95	94	92	92	91	91	91	91
6	103	98	95	92	102	98	94	92	96	94	92	92	95	93	91	91	94	92	91	91	90	90	90	90
7	101	96	93	91	100	96	93	90	95	92	90	90	94	91	90	90	93	91	89	89	88	88	88	88
8	100	95	91	89	99	94	91	89	93	91	89	89	93	90	88	88	92	90	88	88	87	87	87	87
9	98	93	90	88	97	93	90	88	92	89	87	87	91	89	87	87	91	89	87	87	86	86	86	86
10	97	92	89	87	96	91	88	86	91	88	86	86	90	88	86	86	90	87	86	86	85	85	85	85

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

0°	
0°	2394864
5°	1653539
10°	595928
15°	121618
20°	57597
25°	28308
30°	10198
35°	5361
40°	3671
45°	3419
50°	3147
55°	2839
60°	2368
65°	1868
70°	2308
75°	1525
80°	2273
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.3	65.5
10°-20°	90.8	23.9
20°-30°	24.9	6.5
30°-40°	6.1	1.6
40°-50°	3.6	1.0
50°-60°	2.9	0.8
60°-70°	1.7	0.4
70°-80°	1.0	0.2
80°-90°	0.3	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°	365.0	95.9
0°-40°	371.1	97.5
0°-60°	377.6	99.2
0°-90°	380.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4854	
5°	3339	249
15°	238	91
25°	52	25
35°	9	6
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4854.0
1°	4754.1
2°	4525.0
3°	4182.9
4°	3768.5
5°	3338.7
6°	2911.3
7°	2480.6
8°	2038.6
9°	1599.9
10°	1189.5
11°	841.0
12°	584.2
13°	412.0
14°	305.5
15°	238.1
17.5°	151.9
20°	109.7
22.5°	80.4
25°	52.0
27.5°	30.1
30°	17.9
32.5°	11.4
35°	8.9
37.5°	7.3
40°	5.7
42.5°	4.9
45°	4.9
47.5°	4.1
50°	4.1
52.5°	4.1
55°	3.3
57.5°	2.4
60°	2.4
62.5°	1.6
65°	1.6
67.5°	1.6
70°	1.6
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)