

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: P220585

Luminaire Tested: **9003-W1-FL-LED3597-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W1-FL-LED3597-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH 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: 1360.8 lumens  
Efficiency: N/A  
Efficacy: 67.7 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

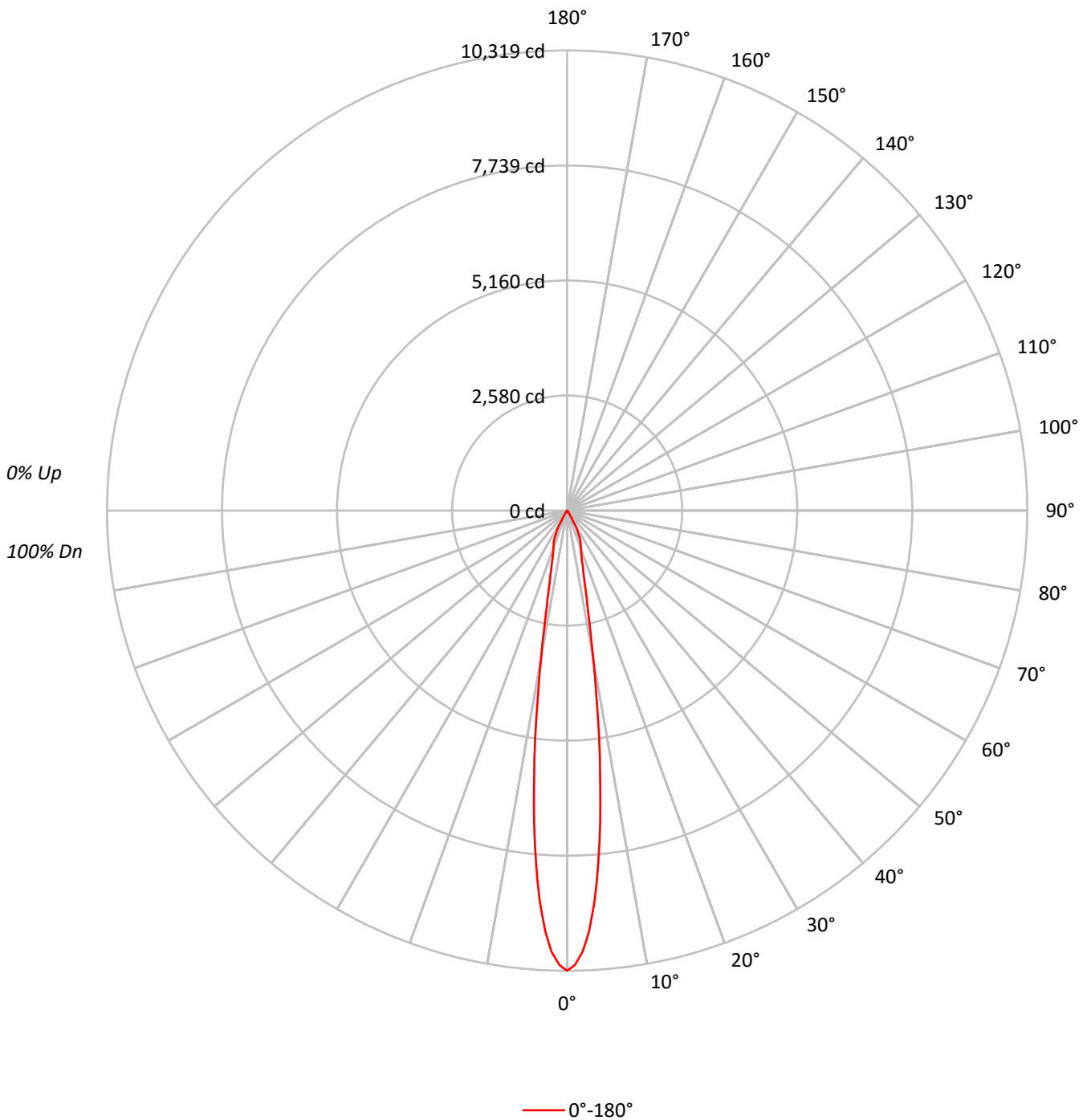
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	110	113	111	109	108	107	106	105	105	103	102	101	101	100	99	99	99	97	97	97	97
2	111	108	105	103	109	106	104	101	103	101	99	99	100	99	97	97	98	96	95	95	94	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	95	98	95	94	94	95	94	92	92	91	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	91	95	92	90	90	93	91	89	89	88	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	88	92	90	88	88	91	89	87	87	86	86	86	86
6	99	93	89	86	98	93	89	86	91	88	86	86	90	87	85	85	89	86	85	85	83	83	83	83
7	97	90	86	84	96	90	86	83	89	85	83	83	88	85	83	83	87	84	82	82	81	81	81	81
8	94	88	84	81	93	87	84	81	87	83	81	81	86	83	81	81	85	82	80	80	79	79	79	79
9	92	86	82	79	91	85	82	79	84	81	79	79	84	81	79	79	83	80	78	78	77	77	77	77
10	90	83	80	77	89	83	79	77	82	79	77	77	82	79	77	77	81	78	77	77	76	76	76	76

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

	0°
0°	2262779
5°	1756830
10°	750509
15°	317346
20°	210368
25°	157678
30°	60414
35°	9209
40°	5038
45°	2233
50°	1637
55°	1529
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.2	44.3
10°-20°	427.4	31.4
20°-30°	275.5	20.2
30°-40°	39.7	2.9
40°-50°	6.2	0.5
50°-60°	3.8	0.3
60°-70°	3.0	0.2
70°-80°	1.5	0.1
80°-90°	0.5	0.0
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°	1306.1	96.0
0°-40°	1345.8	98.9
0°-60°	1355.9	99.6
0°-90°	1360.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1360.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10319	
5°	7981	603
15°	1398	427
25°	652	275
35°	34	40
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10319.1
1°	10190.2
2°	9905.2
3°	9436.8
4°	8785.1
5°	7981.3
6°	7057.4
7°	6092.7
8°	5138.3
9°	4195.2
10°	3370.6
11°	2697.3
12°	2212.1
13°	1857.4
14°	1594.0
15°	1397.9
16°	1236.1
17°	1118.5
18°	1034.4
19°	960.7
20°	901.5
21°	850.3
22°	805.4
23°	763.8
24°	715.7
25°	651.7
26°	576.4
27°	495.6
28°	407.5
29°	320.2
30°	238.6
32.5°	79.3
35°	34.4
37.5°	24.8
40°	17.6
42.5°	8.8
45°	7.2
47.5°	5.6
50°	4.8
52.5°	4.8
55°	4.0
57.5°	4.0
60°	4.0
62.5°	3.2
65°	3.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)