

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: P221641

Luminaire Tested: **9003-W2-FL-LED3597-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221641  
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-W2-FL-LED3597-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,  
BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

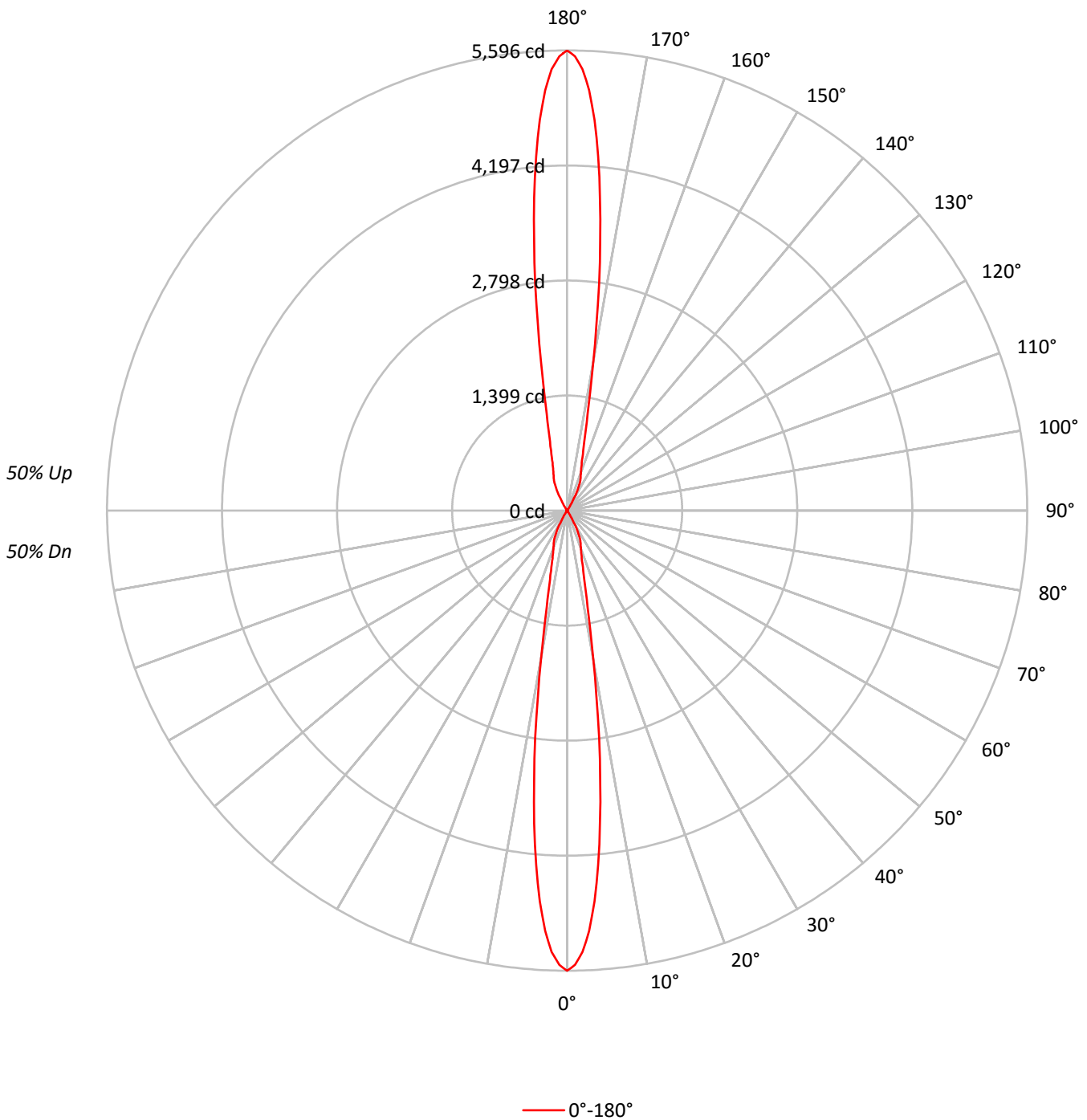
Lumens per Lamp: N/A  
Luminaire Lumens: 1475.9 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 19.6  
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	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	98	95	93	93	91	89	87	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	60		53	52	51	47
3	90	83	78	74	84	78	74	70	68	66	63		60	58	56		51	50	49	45
4	85	78	72	68	80	73	69	65	65	61	59		57	55	53		50	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		55	52	50		48	47	46	43
6	77	69	63	59	72	65	60	57	59	55	52		53	50	48		47	45	44	42
7	74	65	59	55	69	62	57	53	56	52	50		51	48	46		46	44	43	41
8	70	62	56	52	66	59	54	51	54	50	48		49	46	45		44	43	42	40
9	68	59	53	50	64	56	52	48	52	48	46		47	45	43		43	42	40	39
10	65	56	51	48	62	54	49	46	50	46	44		46	43	42		42	41	39	38

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

	0°
0°	1227051
5°	952694
10°	406984
15°	172078
20°	114087
25°	85505
30°	32765
35°	5006
40°	2748
45°	1209
50°	887
55°	841
60°	965
65°	882
70°	833
75°	763
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.1	22.2
10°-20°	231.8	15.7
20°-30°	149.4	10.1
30°-40°	21.5	1.5
40°-50°	3.4	0.2
50°-60°	2.1	0.1
60°-70°	1.6	0.1
70°-80°	0.8	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.1
110°-120°	1.6	0.1
120°-130°	2.1	0.1
130°-140°	3.4	0.2
140°-150°	21.5	1.5
150°-160°	149.4	10.1
160°-170°	231.8	15.7
170°-180°	327.1	22.2
0°-30°	708.3	48.0
0°-40°	729.8	49.4
0°-60°	735.3	49.8
0°-90°	738.0	50.0
90°-120°	2.7	0.2
90°-150°	29.7	2.0
90°-180°	738.0	50.0
0°-180°	1475.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5596	
5°	4328	327
15°	758	232
25°	353	149
35°	19	22
45°	4	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	19	22
155°	353	149
165°	758	232
175°	4328	327
180°	5596	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5595.8
1°	5525.9
2°	5371.3
3°	5117.4
4°	4764.0
5°	4328.1
6°	3827.1
7°	3303.9
8°	2786.4
9°	2275.0
10°	1827.8
11°	1462.7
12°	1199.6
13°	1007.2
14°	864.4
15°	758.0
16°	670.3
17°	606.5
18°	560.9
19°	521.0
20°	488.9
21°	461.1
22°	436.8
23°	414.2
24°	388.1
25°	353.4
26°	312.6
27°	268.7
28°	221.0
29°	173.7
30°	129.4
32.5°	43.0
35°	18.7
37.5°	13.5
40°	9.6
42.5°	4.8
45°	3.9
47.5°	3.0
50°	2.6
52.5°	2.6
55°	2.2
57.5°	2.2
60°	2.2
62.5°	1.7
65°	1.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.9
107.5°	0.9
110°	1.3
112.5°	1.3
115°	1.7
117.5°	1.7
120°	2.2
122.5°	2.2
125°	2.2
127.5°	2.6
130°	2.6
132.5°	3.0
135°	3.9
137.5°	4.8
140°	9.6
142.5°	13.5
145°	18.7
147.5°	43.0
150°	129.4
151°	173.7
152°	221.0
153°	268.7
154°	312.6
155°	353.4
156°	388.1
157°	414.2
158°	436.8
159°	461.1
160°	488.9
161°	521.0



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	560.9
163°	606.5
164°	670.3
165°	758.0
166°	864.4
167°	1007.2
168°	1199.6
169°	1462.7
170°	1827.8
171°	2275.0
172°	2786.4
173°	3303.9
174°	3827.1
175°	4328.1
176°	4764.0
177°	5117.4
178°	5371.3
179°	5525.9
180°	5595.8

(END OF REPORT)