

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: P221635

Luminaire Tested: **9003-W2-FL-LED3597-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1551.7 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

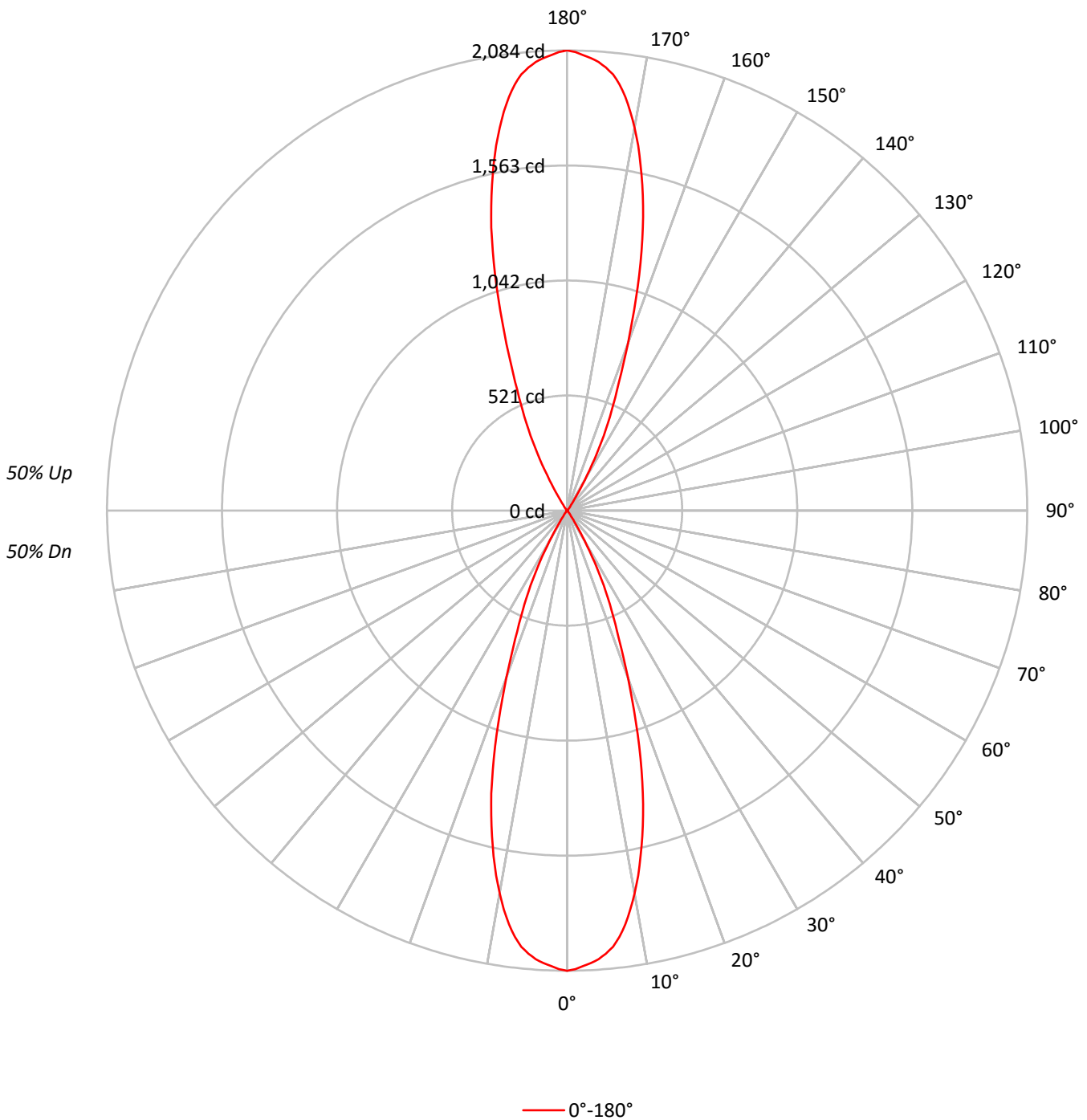
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457069
5°	443516
10°	392088
15°	301091
20°	187430
25°	105684
30°	40133
35°	8593
40°	3349
45°	1085
50°	887
55°	650
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	11.9
10°-20°	355.9	22.9
20°-30°	198.5	12.8
30°-40°	30.0	1.9
40°-50°	3.3	0.2
50°-60°	1.7	0.1
60°-70°	1.1	0.1
70°-80°	0.8	0.0
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.0
110°-120°	1.1	0.1
120°-130°	1.7	0.1
130°-140°	3.3	0.2
140°-150°	30.0	1.9
150°-160°	198.5	12.8
160°-170°	355.9	22.9
170°-180°	184.4	11.9
0°-30°	738.8	47.6
0°-40°	768.8	49.5
0°-60°	773.8	49.9
0°-90°	775.9	50.0
90°-120°	2.2	0.1
90°-150°	37.2	2.4
90°-180°	776.0	50.0
0°-180°	1551.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2084	
5°	2015	184
15°	1326	356
25°	437	198
35°	32	30
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	4	3
145°	32	30
155°	437	198
165°	1326	356
175°	2015	184
180°	2084	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2084.4
1°	2077.0
2°	2064.8
3°	2052.2
4°	2036.2
5°	2014.9
6°	1986.3
7°	1945.0
8°	1892.0
9°	1829.5
10°	1760.9
11°	1684.1
12°	1600.7
13°	1514.3
14°	1421.9
15°	1326.3
16°	1223.0
17°	1116.2
18°	1007.7
19°	903.9
20°	803.2
21°	709.8
22°	627.4
23°	557.9
24°	497.5
25°	436.8
26°	377.3
27°	319.5
28°	263.5
29°	209.7
30°	158.5
32.5°	63.4
35°	32.1
37.5°	20.0
40°	11.7
42.5°	4.3
45°	3.5
47.5°	2.6
50°	2.6
52.5°	2.2
55°	1.7
57.5°	1.7
60°	1.3
62.5°	1.3
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.3
117.5°	1.3
120°	1.3
122.5°	1.7
125°	1.7
127.5°	2.2
130°	2.6
132.5°	2.6
135°	3.5
137.5°	4.3
140°	11.7
142.5°	20.0
145°	32.1
147.5°	63.4
150°	158.5
151°	209.7
152°	263.5
153°	319.5
154°	377.3
155°	436.8
156°	497.5
157°	557.9
158°	627.4
159°	709.8
160°	803.2
161°	903.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1007.7
163°	1116.2
164°	1223.0
165°	1326.3
166°	1421.9
167°	1514.3
168°	1600.7
169°	1684.1
170°	1760.9
171°	1829.5
172°	1892.0
173°	1945.0
174°	1986.3
175°	2014.9
176°	2036.2
177°	2052.2
178°	2064.8
179°	2077.0
180°	2084.4

(END OF REPORT)