

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: P221651

Luminaire Tested: **9003-W2-FL-LED4080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221651
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-LED4080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1938.1 lumens
Efficiency: N/A
Efficacy: 98.9 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

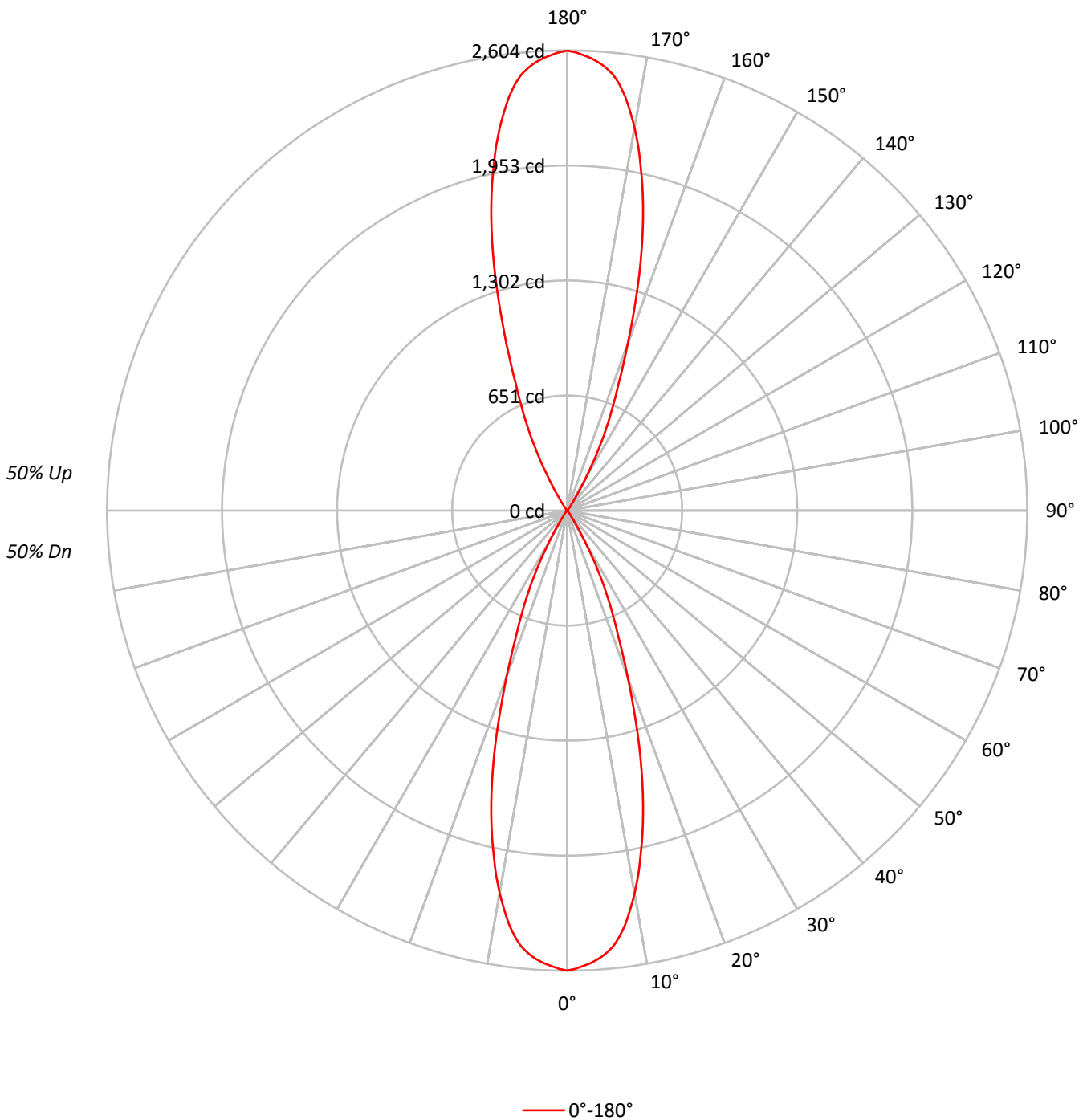
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221651

CATALOG NUMBER: 9003-W2-FL-LED4080-F-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221651

CATALOG NUMBER: 9003-W2-FL-LED4080-F-WT-L1-UNV

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°	570897
5°	553972
10°	489748
15°	376098
20°	234100
25°	131983
30°	50109
35°	10734
40°	4179
45°	1333
50°	1126
55°	841
60°	702
65°	830
70°	705
75°	932
80°	631
85°	0



TEST NUMBER: P221651

CATALOG NUMBER: 9003-W2-FL-LED4080-F-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	11.9
10°-20°	444.6	22.9
20°-30°	247.9	12.8
30°-40°	37.4	1.9
40°-50°	4.2	0.2
50°-60°	2.1	0.1
60°-70°	1.4	0.1
70°-80°	0.9	0.0
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.0
110°-120°	1.4	0.1
120°-130°	2.1	0.1
130°-140°	4.2	0.2
140°-150°	37.4	1.9
150°-160°	247.9	12.8
160°-170°	444.6	22.9
170°-180°	230.4	11.9
0°-30°	922.8	47.6
0°-40°	960.2	49.5
0°-60°	966.5	49.9
0°-90°	969.1	50.0
90°-120°	2.7	0.1
90°-150°	46.4	2.4
90°-180°	969.0	50.0
0°-180°	1938.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2604	
5°	2517	230
15°	1657	445
25°	546	248
35°	40	37
45°	4	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	2	2
135°	4	4
145°	40	37
155°	546	248
165°	1657	445
175°	2517	230
180°	2604	



TEST NUMBER: P221651

CATALOG NUMBER: 9003-W2-FL-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	2603.5
1°	2594.2
2°	2579.1
3°	2563.3
4°	2543.3
5°	2516.7
6°	2480.9
7°	2429.4
8°	2363.2
9°	2285.2
10°	2199.5
11°	2103.5
12°	1999.4
13°	1891.5
14°	1776.0
15°	1656.7
16°	1527.6
17°	1394.2
18°	1258.6
19°	1129.0
20°	1003.2
21°	886.6
22°	783.6
23°	696.8
24°	621.4
25°	545.5
26°	471.2
27°	399.1
28°	329.2
29°	261.9
30°	197.9
32.5°	79.2
35°	40.1
37.5°	24.9
40°	14.6
42.5°	5.4
45°	4.3
47.5°	3.3
50°	3.3
52.5°	2.7
55°	2.2
57.5°	2.2
60°	1.6
62.5°	1.6
65°	1.6



TEST NUMBER: P221651

CATALOG NUMBER: 9003-W2-FL-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.5
100°	0.5
102.5°	0.5
105°	1.1
107.5°	1.1
110°	1.1
112.5°	1.1
115°	1.6
117.5°	1.6
120°	1.6
122.5°	2.2
125°	2.2
127.5°	2.7
130°	3.3
132.5°	3.3
135°	4.3
137.5°	5.4
140°	14.6
142.5°	24.9
145°	40.1
147.5°	79.2
150°	197.9
151°	261.9
152°	329.2
153°	399.1
154°	471.2
155°	545.5
156°	621.4
157°	696.8
158°	783.6
159°	886.6
160°	1003.2
161°	1129.0



TEST NUMBER: P221651

CATALOG NUMBER: 9003-W2-FL-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1258.6
163°	1394.2
164°	1527.6
165°	1656.7
166°	1776.0
167°	1891.5
168°	1999.4
169°	2103.5
170°	2199.5
171°	2285.2
172°	2363.2
173°	2429.4
174°	2480.9
175°	2516.7
176°	2543.3
177°	2563.3
178°	2579.1
179°	2594.2
180°	2603.5

(END OF REPORT)