

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: P221655

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1760.3 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

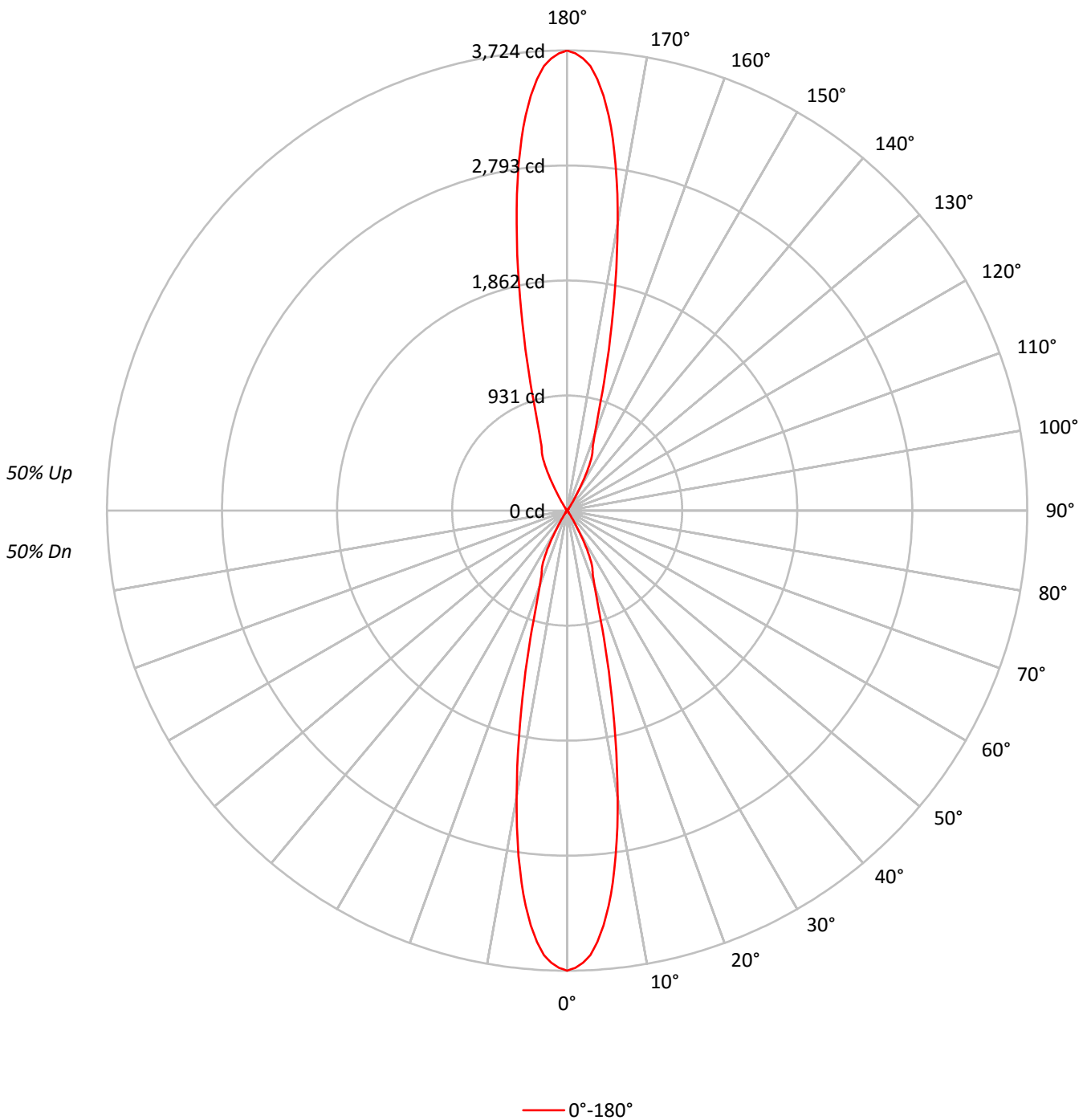
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221655

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

Luminous Intensity Polar Plot





TEST NUMBER: P221655

CATALOG NUMBER: 9003-W2-FL-LED4080-M-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	98	95	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	78	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	85	77	71	67	79	72	68	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42				
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40				
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38				
9	66	57	51	48	62	55	50	46	50	46	44	46	43	41	41	40	38	37				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	816557
5°	741975
10°	524395
15°	283384
20°	150700
25°	110861
30°	44766
35°	8566
40°	4494
45°	2016
50°	1672
55°	1453
60°	1184
65°	1141
70°	1026
75°	932
80°	631
85°	1258



TEST NUMBER: P221655

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	16.4
10°-20°	352.3	20.0
20°-30°	193.9	11.0
30°-40°	32.2	1.8
40°-50°	5.9	0.3
50°-60°	3.4	0.2
60°-70°	2.1	0.1
70°-80°	1.1	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	1.1	0.1
110°-120°	2.1	0.1
120°-130°	3.4	0.2
130°-140°	5.9	0.3
140°-150°	32.2	1.8
150°-160°	193.9	11.0
160°-170°	352.3	20.0
170°-180°	288.8	16.4
0°-30°	835.1	47.4
0°-40°	867.3	49.3
0°-60°	876.5	49.8
0°-90°	880.2	50.0
90°-120°	3.6	0.2
90°-150°	45.1	2.6
90°-180°	880.0	50.0
0°-180°	1760.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3724	
5°	3371	289
15°	1248	352
25°	458	194
35°	32	32
45°	6	6
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	4	3
135°	6	6
145°	32	32
155°	458	194
165°	1248	352
175°	3371	289
180°	3724	



TEST NUMBER: P221655

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	3723.8
1°	3701.0
2°	3662.5
3°	3601.8
4°	3498.8
5°	3370.8
6°	3216.2
7°	3032.4
8°	2823.1
9°	2593.7
10°	2355.1
11°	2114.3
12°	1877.9
13°	1651.8
14°	1443.0
15°	1248.3
16°	1080.2
17°	928.9
18°	810.7
19°	716.3
20°	645.8
21°	592.2
22°	553.1
23°	525.5
24°	497.8
25°	458.2
26°	408.9
27°	353.6
28°	293.4
29°	234.3
30°	176.8
32.5°	64.0
35°	32.0
37.5°	22.8
40°	15.7
42.5°	8.1
45°	6.5
47.5°	6.0
50°	4.9
52.5°	4.3
55°	3.8
57.5°	3.3
60°	2.7
62.5°	2.7
65°	2.2



TEST NUMBER: P221655

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

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.5
97.5°	0.5
100°	0.5
102.5°	1.1
105°	1.1
107.5°	1.1
110°	1.6
112.5°	1.6
115°	2.2
117.5°	2.7
120°	2.7
122.5°	3.3
125°	3.8
127.5°	4.3
130°	4.9
132.5°	6.0
135°	6.5
137.5°	8.1
140°	15.7
142.5°	22.8
145°	32.0
147.5°	64.0
150°	176.8
151°	234.3
152°	293.4
153°	353.6
154°	408.9
155°	458.2
156°	497.8
157°	525.5
158°	553.1
159°	592.2
160°	645.8
161°	716.3



TEST NUMBER: P221655

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

CANDELA DISTRIBUTION (continued):

	0°
162°	810.7
163°	928.9
164°	1080.2
165°	1248.3
166°	1443.0
167°	1651.8
168°	1877.9
169°	2114.3
170°	2355.1
171°	2593.7
172°	2823.1
173°	3032.4
174°	3216.2
175°	3370.8
176°	3498.8
177°	3601.8
178°	3662.5
179°	3701.0
180°	3723.8

(END OF REPORT)