

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: P221659

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221659
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-LED4080-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1843.4 lumens
Efficiency: N/A
Efficacy: 94.1 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

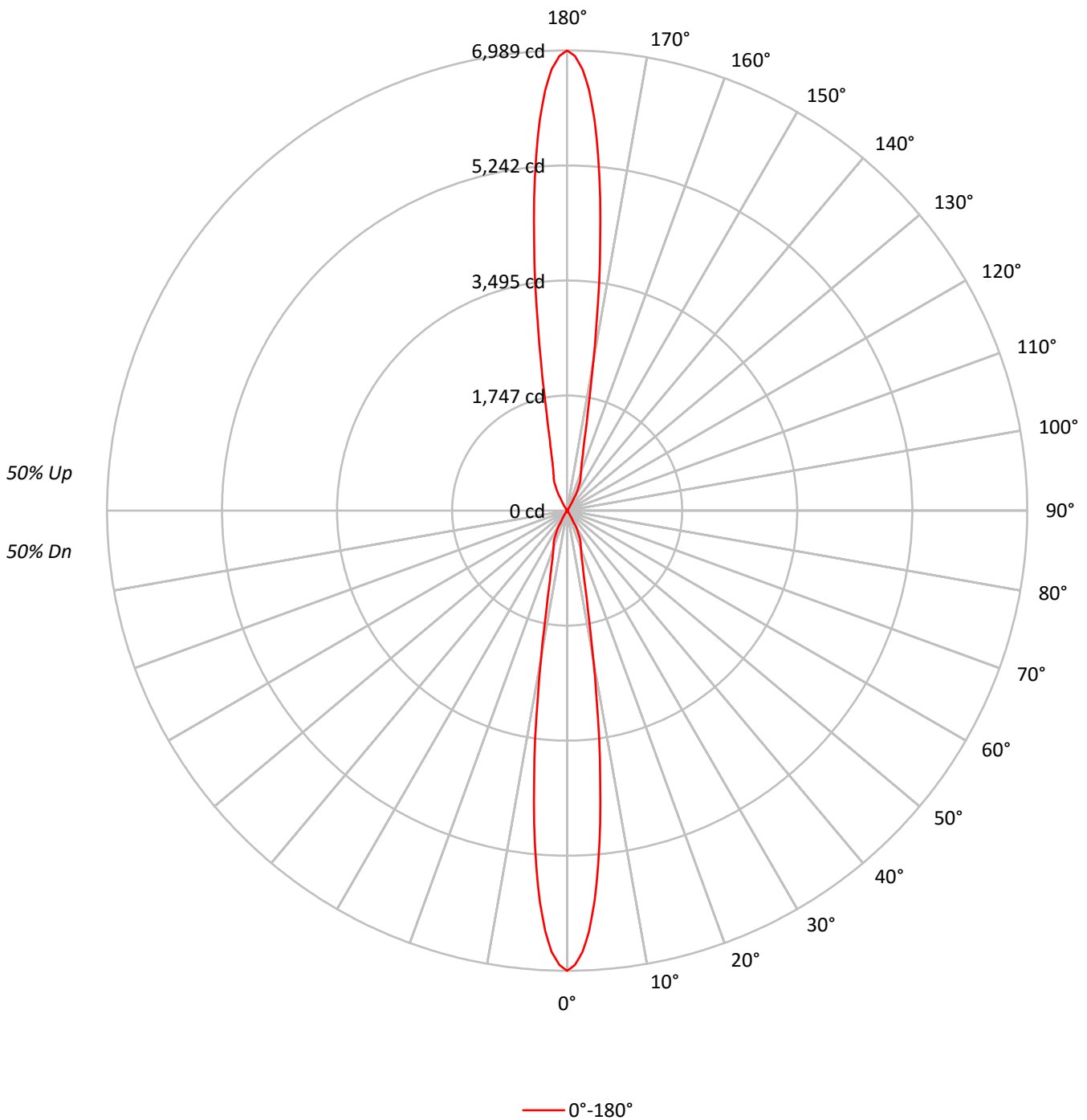
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221659

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

Luminous Intensity Polar Plot





TEST NUMBER: P221659

CATALOG NUMBER: 9003-W2-FL-LED4080-S-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	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°	1532640
5°	1189937
10°	508341
15°	214939
20°	142486
25°	106796
30°	40918
35°	6237
40°	3406
45°	1520
50°	1126
55°	1032
60°	1184
65°	1141
70°	1026
75°	932
80°	631
85°	1258



TEST NUMBER: P221659

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.5	22.2
10°-20°	289.5	15.7
20°-30°	186.6	10.1
30°-40°	26.9	1.5
40°-50°	4.2	0.2
50°-60°	2.6	0.1
60°-70°	2.0	0.1
70°-80°	1.0	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	1.0	0.1
110°-120°	2.0	0.1
120°-130°	2.6	0.1
130°-140°	4.2	0.2
140°-150°	26.9	1.5
150°-160°	186.6	10.1
160°-170°	289.5	15.7
170°-180°	408.5	22.2
0°-30°	884.6	48.0
0°-40°	911.5	49.4
0°-60°	918.4	49.8
0°-90°	921.7	50.0
90°-120°	3.3	0.2
90°-150°	37.1	2.0
90°-180°	922.0	50.0
0°-180°	1843.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6989	
5°	5406	409
15°	947	289
25°	441	187
35°	23	27
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	5	4
145°	23	27
155°	441	187
165°	947	289
175°	5406	409
180°	6989	



TEST NUMBER: P221659

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	6989.4
1°	6902.1
2°	6709.0
3°	6391.8
4°	5950.4
5°	5405.9
6°	4780.1
7°	4126.7
8°	3480.3
9°	2841.5
10°	2283.0
11°	1826.9
12°	1498.3
13°	1258.1
14°	1079.7
15°	946.8
16°	837.3
17°	757.6
18°	700.6
19°	650.7
20°	610.6
21°	575.9
22°	545.5
23°	517.3
24°	484.8
25°	441.4
26°	390.4
27°	335.7
28°	276.0
29°	216.9
30°	161.6
32.5°	53.7
35°	23.3
37.5°	16.8
40°	11.9
42.5°	6.0
45°	4.9
47.5°	3.8
50°	3.3
52.5°	3.3
55°	2.7
57.5°	2.7
60°	2.7
62.5°	2.2
65°	2.2



TEST NUMBER: P221659

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

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.1
75°	1.1
77.5°	0.5
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°	0.5
105°	1.1
107.5°	1.1
110°	1.6
112.5°	1.6
115°	2.2
117.5°	2.2
120°	2.7
122.5°	2.7
125°	2.7
127.5°	3.3
130°	3.3
132.5°	3.8
135°	4.9
137.5°	6.0
140°	11.9
142.5°	16.8
145°	23.3
147.5°	53.7
150°	161.6
151°	216.9
152°	276.0
153°	335.7
154°	390.4
155°	441.4
156°	484.8
157°	517.3
158°	545.5
159°	575.9
160°	610.6
161°	650.7



TEST NUMBER: P221659

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

CANDELA DISTRIBUTION (continued):

	0°
162°	700.6
163°	757.6
164°	837.3
165°	946.8
166°	1079.7
167°	1258.1
168°	1498.3
169°	1826.9
170°	2283.0
171°	2841.5
172°	3480.3
173°	4126.7
174°	4780.1
175°	5405.9
176°	5950.4
177°	6391.8
178°	6709.0
179°	6902.1
180°	6989.4

(END OF REPORT)