

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: P221679

Luminaire Tested: **9003-W2-FL-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED4097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1401.2 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

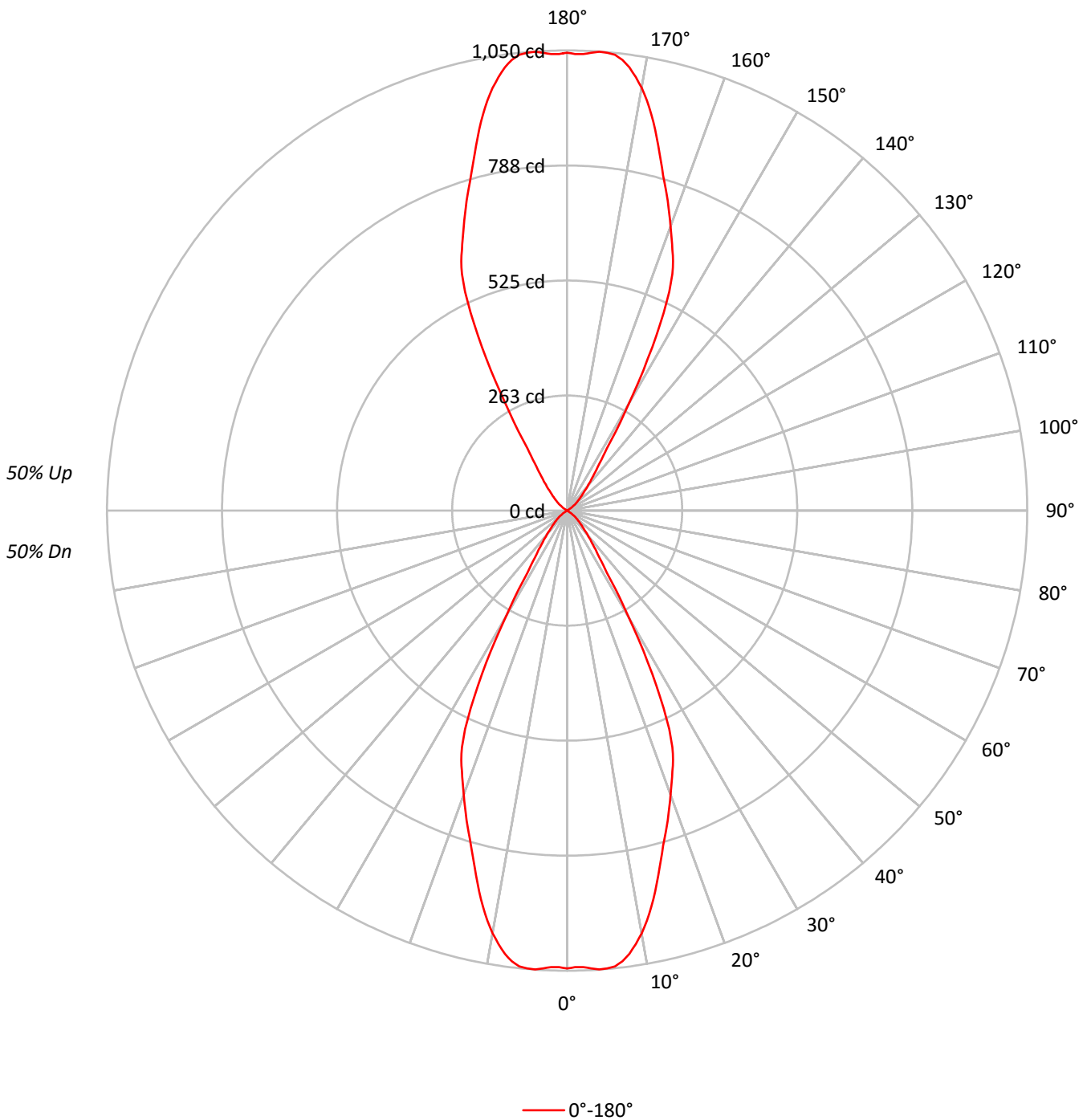
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221679

CATALOG NUMBER: 9003-W2-FL-LED4097-W-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221679

CATALOG NUMBER: 9003-W2-FL-LED4097-W-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	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	50	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	44	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229104
5°	230838
10°	218099
15°	187606
20°	161037
25°	133266
30°	71100
35°	32337
40°	20667
45°	13614
50°	9518
55°	4779
60°	1140
65°	1090
70°	1090
75°	763
80°	505
85°	1006



TEST NUMBER: P221679

CATALOG NUMBER: 9003-W2-FL-LED4097-W-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	7.0
10°-20°	231.1	16.5
20°-30°	236.2	16.9
30°-40°	85.5	6.1
40°-50°	35.2	2.5
50°-60°	11.4	0.8
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°	11.4	0.8
130°-140°	35.2	2.5
140°-150°	85.5	6.1
150°-160°	236.2	16.9
160°-170°	231.1	16.5
170°-180°	98.0	7.0
0°-30°	565.3	40.3
0°-40°	650.8	46.4
0°-60°	697.4	49.8
0°-90°	700.6	50.0
90°-120°	3.2	0.2
90°-150°	135.3	9.7
90°-180°	701.0	50.0
0°-180°	1401.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1045	
5°	1049	98
15°	826	231
25°	551	236
35°	121	86
45°	44	35
55°	12	11
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	12	11
135°	44	35
145°	121	86
155°	551	236
165°	826	231
175°	1049	98
180°	1045	



TEST NUMBER: P221679

CATALOG NUMBER: 9003-W2-FL-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1044.8
1°	1041.8
2°	1042.3
3°	1046.1
4°	1049.6
5°	1048.7
6°	1045.7
7°	1036.2
8°	1021.2
9°	1001.4
10°	979.5
11°	953.2
12°	924.4
13°	892.2
14°	858.7
15°	826.4
16°	795.4
17°	768.4
18°	743.4
19°	715.9
20°	690.1
21°	665.6
22°	641.5
23°	618.3
24°	590.8
25°	550.8
26°	501.8
27°	448.5
28°	392.1
29°	335.4
30°	280.8
32.5°	168.5
35°	120.8
37.5°	93.3
40°	72.2
42.5°	55.0
45°	43.9
47.5°	35.3
50°	27.9
52.5°	20.6
55°	12.5
57.5°	3.4
60°	2.6
62.5°	2.1
65°	2.1



TEST NUMBER: P221679

CATALOG NUMBER: 9003-W2-FL-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	1.3
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°	1.3
110°	1.7
112.5°	1.7
115°	2.1
117.5°	2.1
120°	2.6
122.5°	3.4
125°	12.5
127.5°	20.6
130°	27.9
132.5°	35.3
135°	43.9
137.5°	55.0
140°	72.2
142.5°	93.3
145°	120.8
147.5°	168.5
150°	280.8
151°	335.4
152°	392.1
153°	448.5
154°	501.8
155°	550.8
156°	590.8
157°	618.3
158°	641.5
159°	665.6
160°	690.1
161°	715.9



TEST NUMBER: P221679

CATALOG NUMBER: 9003-W2-FL-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	743.4
163°	768.4
164°	795.4
165°	826.4
166°	858.7
167°	892.2
168°	924.4
169°	953.2
170°	979.5
171°	1001.4
172°	1021.2
173°	1036.2
174°	1045.7
175°	1048.7
176°	1049.6
177°	1046.1
178°	1042.3
179°	1041.8
180°	1044.8

(END OF REPORT)