

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: P221609

Luminaire Tested: **9003-W2-FL-LED3097-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221609
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-LED3097-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1301.2 lumens
Efficiency: N/A
Efficacy: 66.4 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

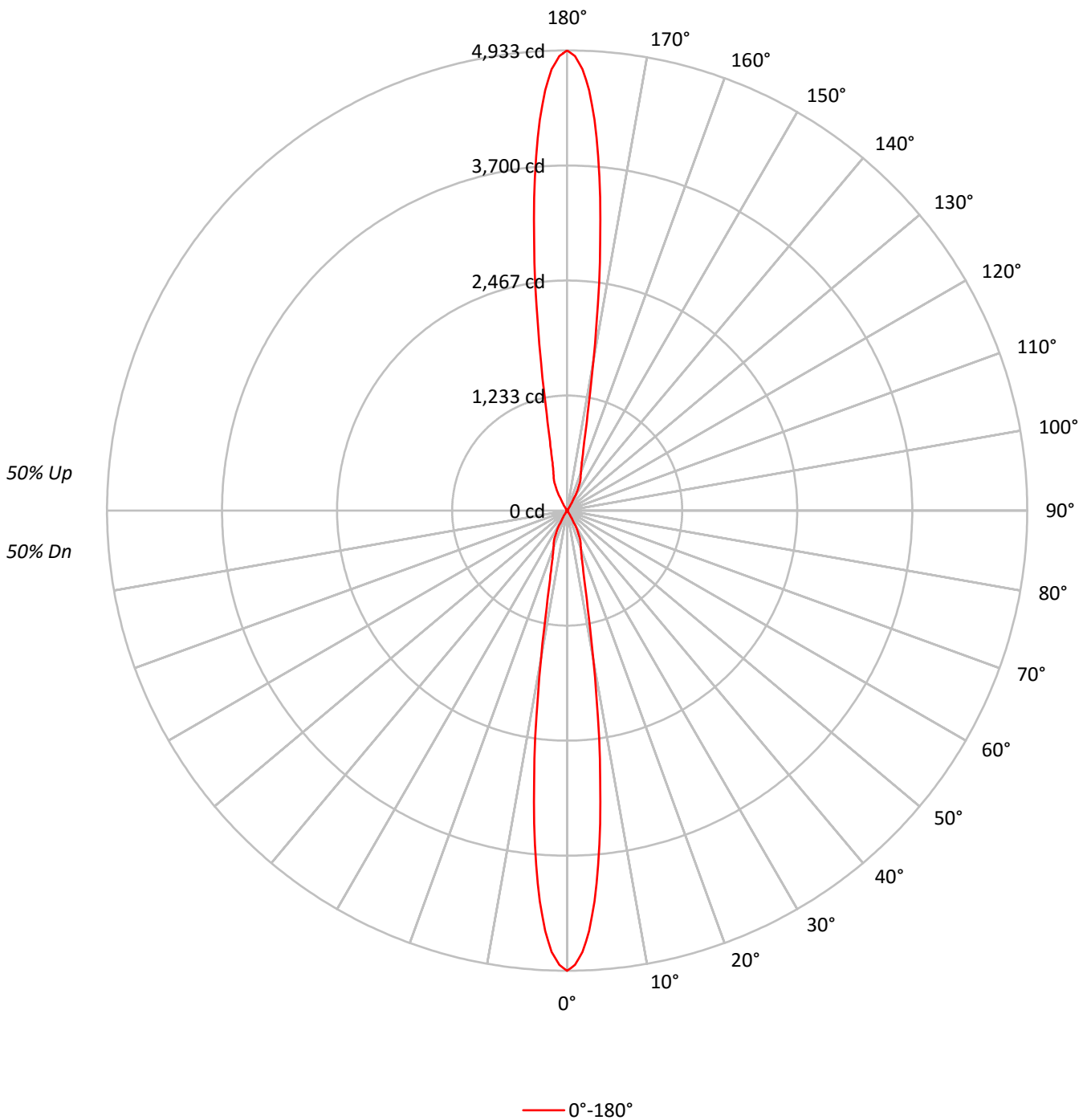
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221609

CATALOG NUMBER: 9003-W2-FL-LED3097-S-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221609

CATALOG NUMBER: 9003-W2-FL-LED3097-S-BK-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	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°	1081799
5°	839905
10°	358800
15°	151715
20°	100575
25°	75391
30°	28891
35°	4417
40°	2405
45°	1054
50°	785
55°	726
60°	833
65°	778
70°	705
75°	678
80°	505
85°	1006



TEST NUMBER: P221609

CATALOG NUMBER: 9003-W2-FL-LED3097-S-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.4	22.2
10°-20°	204.3	15.7
20°-30°	131.7	10.1
30°-40°	19.0	1.5
40°-50°	3.0	0.2
50°-60°	1.8	0.1
60°-70°	1.4	0.1
70°-80°	0.7	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.7	0.1
110°-120°	1.4	0.1
120°-130°	1.8	0.1
130°-140°	3.0	0.2
140°-150°	19.0	1.5
150°-160°	131.7	10.1
160°-170°	204.3	15.7
170°-180°	288.4	22.2
0°-30°	624.4	48.0
0°-40°	643.4	49.4
0°-60°	648.2	49.8
0°-90°	650.6	50.0
90°-120°	2.4	0.2
90°-150°	26.2	2.0
90°-180°	651.0	50.0
0°-180°	1301.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4933	
5°	3816	288
15°	668	204
25°	312	132
35°	16	19
45°	3	3
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°	3	3
145°	16	19
155°	312	132
165°	668	204
175°	3816	288
180°	4933	



TEST NUMBER: P221609

CATALOG NUMBER: 9003-W2-FL-LED3097-S-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	4933.4
1°	4871.7
2°	4735.5
3°	4511.6
4°	4200.0
5°	3815.7
6°	3374.0
7°	2912.8
8°	2456.5
9°	2005.7
10°	1611.4
11°	1289.5
12°	1057.6
13°	888.0
14°	762.1
15°	668.3
16°	591.0
17°	534.7
18°	494.5
19°	459.3
20°	431.0
21°	406.5
22°	385.1
23°	365.2
24°	342.2
25°	311.6
26°	275.6
27°	236.9
28°	194.8
29°	153.1
30°	114.1
32.5°	37.9
35°	16.5
37.5°	11.9
40°	8.4
42.5°	4.2
45°	3.4
47.5°	2.7
50°	2.3
52.5°	2.3
55°	1.9
57.5°	1.9
60°	1.9
62.5°	1.5
65°	1.5



TEST NUMBER: P221609

CATALOG NUMBER: 9003-W2-FL-LED3097-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	0.8
75°	0.8
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°	0.8
107.5°	0.8
110°	1.1
112.5°	1.1
115°	1.5
117.5°	1.5
120°	1.9
122.5°	1.9
125°	1.9
127.5°	2.3
130°	2.3
132.5°	2.7
135°	3.4
137.5°	4.2
140°	8.4
142.5°	11.9
145°	16.5
147.5°	37.9
150°	114.1
151°	153.1
152°	194.8
153°	236.9
154°	275.6
155°	311.6
156°	342.2
157°	365.2
158°	385.1
159°	406.5
160°	431.0
161°	459.3



TEST NUMBER: P221609

CATALOG NUMBER: 9003-W2-FL-LED3097-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	494.5
163°	534.7
164°	591.0
165°	668.3
166°	762.1
167°	888.0
168°	1057.6
169°	1289.5
170°	1611.4
171°	2005.7
172°	2456.5
173°	2912.8
174°	3374.0
175°	3815.7
176°	4200.0
177°	4511.6
178°	4735.5
179°	4871.7
180°	4933.4

(END OF REPORT)