

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: P221613

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221613
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-LED3097-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1247.5 lumens
Efficiency: N/A
Efficacy: 63.6 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

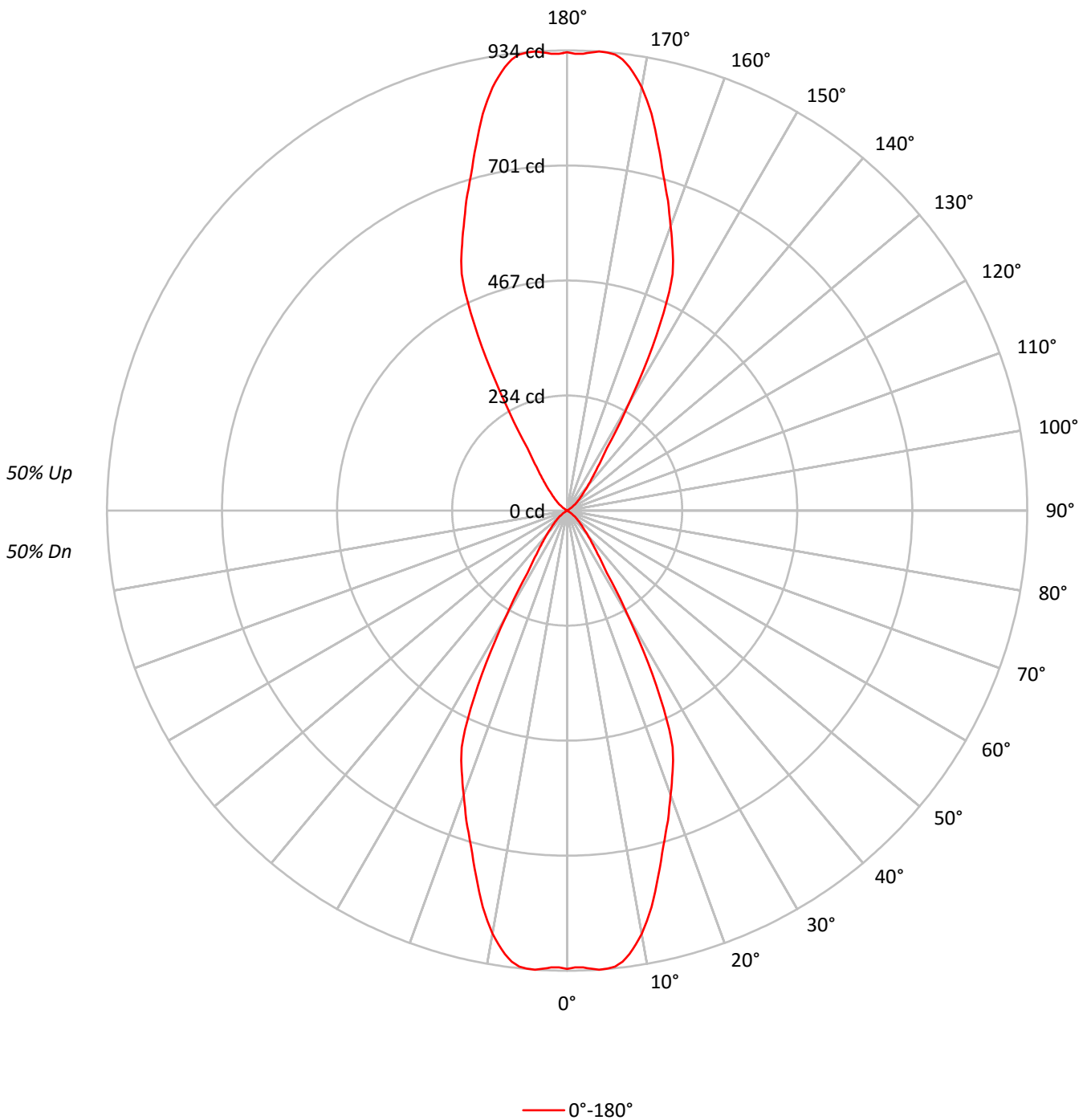
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	49	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	43	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°	203953
5°	205480
10°	194140
15°	167016
20°	143349
25°	118628
30°	63276
35°	28804
40°	18406
45°	12094
50°	8494
55°	4244
60°	1009
65°	986
70°	962
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	7.0
10°-20°	205.7	16.5
20°-30°	210.2	16.9
30°-40°	76.2	6.1
40°-50°	31.4	2.5
50°-60°	10.1	0.8
60°-70°	1.8	0.1
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.1
110°-120°	1.8	0.1
120°-130°	10.1	0.8
130°-140°	31.4	2.5
140°-150°	76.2	6.1
150°-160°	210.2	16.9
160°-170°	205.7	16.5
170°-180°	87.2	7.0
0°-30°	503.2	40.3
0°-40°	579.4	46.4
0°-60°	620.9	49.8
0°-90°	623.8	50.0
90°-120°	2.9	0.2
90°-150°	120.6	9.7
90°-180°	624.0	50.0
0°-180°	1247.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	930	
5°	934	87
15°	736	206
25°	490	210
35°	108	76
45°	39	31
55°	11	10
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	11	10
135°	39	31
145°	108	76
155°	490	210
165°	736	206
175°	934	87
180°	930	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	930.1
1°	927.4
2°	927.8
3°	931.3
4°	934.3
5°	933.5
6°	930.9
7°	922.4
8°	909.1
9°	891.4
10°	871.9
11°	848.6
12°	822.9
13°	794.2
14°	764.4
15°	735.7
16°	708.1
17°	684.0
18°	661.8
19°	637.3
20°	614.3
21°	592.5
22°	571.1
23°	550.4
24°	525.9
25°	490.3
26°	446.7
27°	399.2
28°	349.1
29°	298.6
30°	249.9
32.5°	150.0
35°	107.6
37.5°	83.1
40°	64.3
42.5°	49.0
45°	39.0
47.5°	31.4
50°	24.9
52.5°	18.4
55°	11.1
57.5°	3.1
60°	2.3
62.5°	1.9
65°	1.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	1.1
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°	1.1
110°	1.5
112.5°	1.5
115°	1.9
117.5°	1.9
120°	2.3
122.5°	3.1
125°	11.1
127.5°	18.4
130°	24.9
132.5°	31.4
135°	39.0
137.5°	49.0
140°	64.3
142.5°	83.1
145°	107.6
147.5°	150.0
150°	249.9
151°	298.6
152°	349.1
153°	399.2
154°	446.7
155°	490.3
156°	525.9
157°	550.4
158°	571.1
159°	592.5
160°	614.3
161°	637.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	661.8
163°	684.0
164°	708.1
165°	735.7
166°	764.4
167°	794.2
168°	822.9
169°	848.6
170°	871.9
171°	891.4
172°	909.1
173°	922.4
174°	930.9
175°	933.5
176°	934.3
177°	931.3
178°	927.8
179°	927.4
180°	930.1

(END OF REPORT)