

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: P221445

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED3097-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1047.5 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

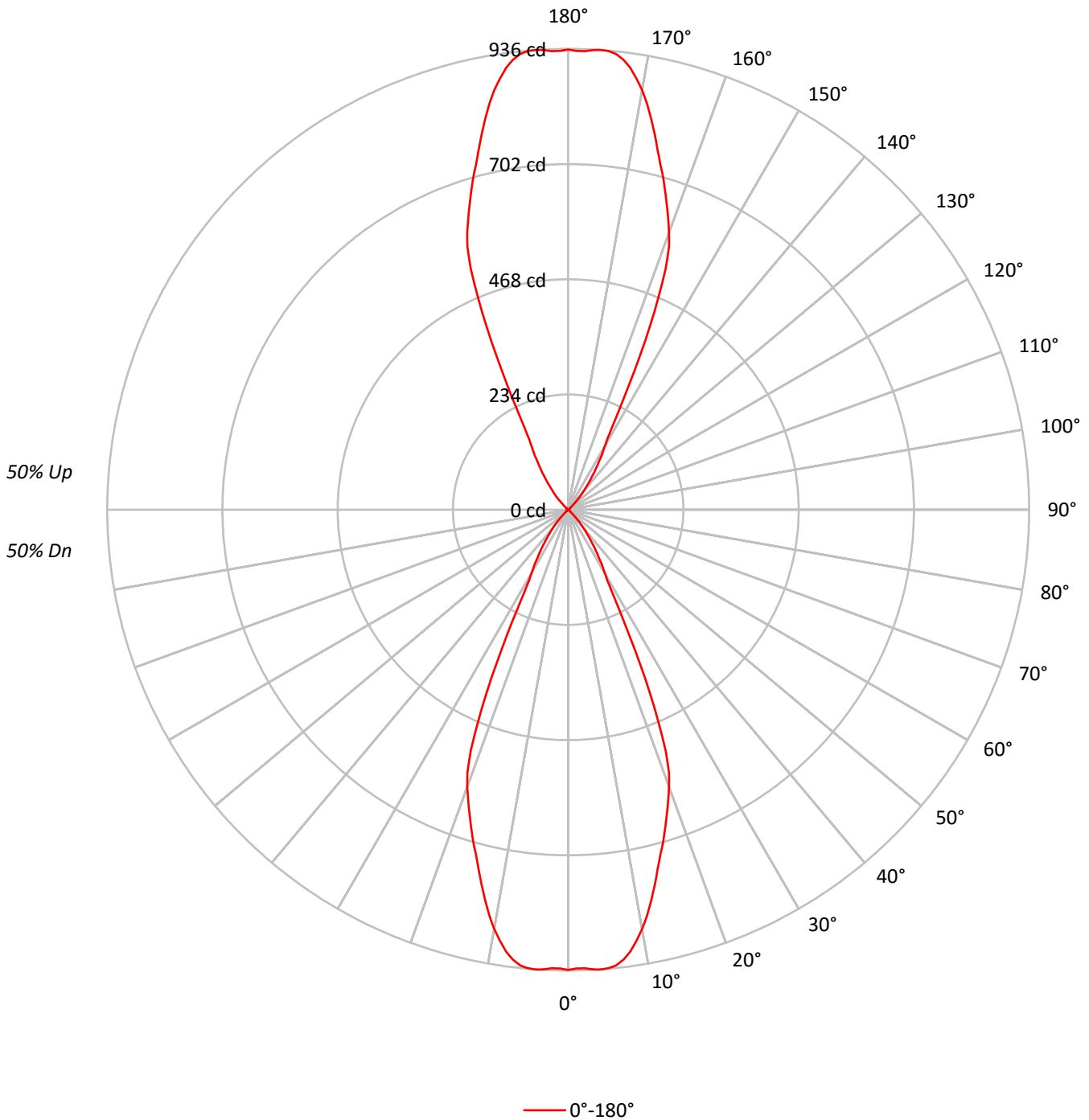
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	204962
5°	205833
10°	192537
15°	164496
20°	139779
25°	83061
30°	37803
35°	23985
40°	13597
45°	4993
50°	1569
55°	1185
60°	1009
65°	571
70°	256
75°	339
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	8.3
10°-20°	202.5	19.3
20°-30°	157.2	15.0
30°-40°	57.3	5.5
40°-50°	15.2	1.4
50°-60°	2.8	0.3
60°-70°	1.2	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.2	0.1
120°-130°	2.8	0.3
130°-140°	15.2	1.4
140°-150°	57.3	5.5
150°-160°	157.2	15.0
160°-170°	202.5	19.3
170°-180°	87.1	8.3
0°-30°	446.8	42.7
0°-40°	504.1	48.1
0°-60°	522.1	49.8
0°-90°	523.7	50.0
90°-120°	1.6	0.2
90°-150°	76.9	7.3
90°-180°	524.0	50.0
0°-180°	1047.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	935	
5°	935	87
15°	725	203
25°	343	157
35°	90	57
45°	16	15
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	16	15
145°	90	57
155°	343	157
165°	725	203
175°	935	87
180°	935	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	934.7
1°	932.0
2°	932.0
3°	934.7
4°	936.2
5°	935.1
6°	930.5
7°	920.9
8°	906.0
9°	886.5
10°	864.7
11°	839.4
12°	811.4
13°	782.0
14°	751.7
15°	724.6
16°	700.1
17°	674.0
18°	649.2
19°	623.9
20°	599.0
21°	571.5
22°	527.8
23°	470.4
24°	408.0
25°	343.3
26°	282.5
27°	228.1
28°	187.2
29°	163.8
30°	149.3
32.5°	117.5
35°	89.6
37.5°	67.4
40°	47.5
42.5°	31.4
45°	16.1
47.5°	7.3
50°	4.6
52.5°	3.4
55°	3.1
57.5°	2.7
60°	2.3
62.5°	1.5
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	1.1
115°	1.1
117.5°	1.5
120°	2.3
122.5°	2.7
125°	3.1
127.5°	3.4
130°	4.6
132.5°	7.3
135°	16.1
137.5°	31.4
140°	47.5
142.5°	67.4
145°	89.6
147.5°	117.5
150°	149.3
151°	163.8
152°	187.2
153°	228.1
154°	282.5
155°	343.3
156°	408.0
157°	470.4
158°	527.8
159°	571.5
160°	599.0
161°	623.9



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CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	649.2
163°	674.0
164°	700.1
165°	724.6
166°	751.7
167°	782.0
168°	811.4
169°	839.4
170°	864.7
171°	886.5
172°	906.0
173°	920.9
174°	930.5
175°	935.1
176°	936.2
177°	934.7
178°	932.0
179°	932.0
180°	934.7

(END OF REPORT)