

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: P221499

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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]-LED4097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1614.4 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

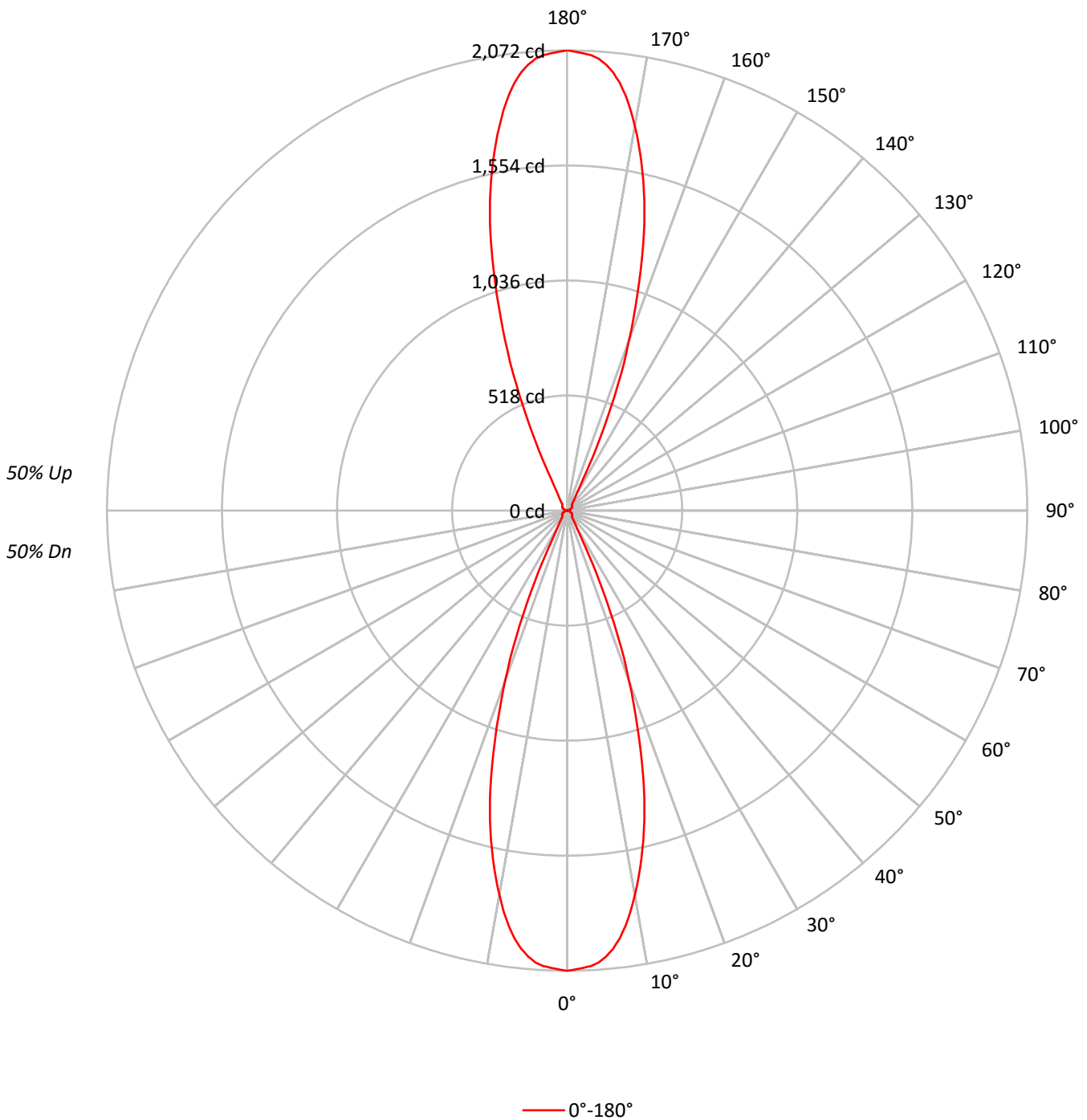
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	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	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	454459
5°	443692
10°	391376
15°	304542
20°	190230
25°	74278
30°	20256
35°	11859
40°	9475
45°	9613
50°	10132
55°	10360
60°	10175
65°	9391
70°	8014
75°	7286
80°	8082
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	11.4
10°-20°	359.6	22.3
20°-30°	154.2	9.6
30°-40°	30.4	1.9
40°-50°	24.1	1.5
50°-60°	24.0	1.5
60°-70°	17.8	1.1
70°-80°	9.5	0.6
80°-90°	3.3	0.2
90°-100°	3.3	0.2
100°-110°	9.5	0.6
110°-120°	17.8	1.1
120°-130°	24.0	1.5
130°-140°	24.1	1.5
140°-150°	30.4	1.9
150°-160°	154.2	9.6
160°-170°	359.6	22.3
170°-180°	184.2	11.4
0°-30°	698.0	43.2
0°-40°	728.5	45.1
0°-60°	776.6	48.1
0°-90°	807.2	50.0
90°-120°	30.6	1.9
90°-150°	109.2	6.8
90°-180°	807.0	50.0
0°-180°	1614.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2072	
5°	2016	184
15°	1342	360
25°	307	154
35°	44	30
45°	31	24
55°	27	24
65°	18	18
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	18	18
125°	27	24
135°	31	24
145°	44	30
155°	307	154
165°	1342	360
175°	2016	184
180°	2072	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2072.5
1°	2066.4
2°	2060.0
3°	2054.0
4°	2039.8
5°	2015.7
6°	1983.5
7°	1941.3
8°	1887.6
9°	1826.9
10°	1757.7
11°	1683.8
12°	1606.8
13°	1523.4
14°	1435.7
15°	1341.5
16°	1240.9
17°	1135.1
18°	1025.9
19°	918.8
20°	815.2
21°	716.8
22°	611.0
23°	502.6
24°	399.4
25°	307.0
26°	226.6
27°	160.4
28°	114.4
29°	90.7
30°	80.0
32.5°	60.6
35°	44.3
37.5°	36.1
40°	33.1
42.5°	31.8
45°	31.0
47.5°	30.5
50°	29.7
52.5°	28.4
55°	27.1
57.5°	25.4
60°	23.2
62.5°	21.1
65°	18.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.0
70°	12.5
72.5°	10.3
75°	8.6
77.5°	7.7
80°	6.4
82.5°	4.7
85°	3.0
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.0
97.5°	4.7
100°	6.4
102.5°	7.7
105°	8.6
107.5°	10.3
110°	12.5
112.5°	15.0
115°	18.1
117.5°	21.1
120°	23.2
122.5°	25.4
125°	27.1
127.5°	28.4
130°	29.7
132.5°	30.5
135°	31.0
137.5°	31.8
140°	33.1
142.5°	36.1
145°	44.3
147.5°	60.6
150°	80.0
151°	90.7
152°	114.4
153°	160.4
154°	226.6
155°	307.0
156°	399.4
157°	502.6
158°	611.0
159°	716.8
160°	815.2
161°	918.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1025.9
163°	1135.1
164°	1240.9
165°	1341.5
166°	1435.7
167°	1523.4
168°	1606.8
169°	1683.8
170°	1757.7
171°	1826.9
172°	1887.6
173°	1941.3
174°	1983.5
175°	2015.7
176°	2039.8
177°	2054.0
178°	2060.0
179°	2066.4
180°	2072.5

(END OF REPORT)