

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: P221438

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.2 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

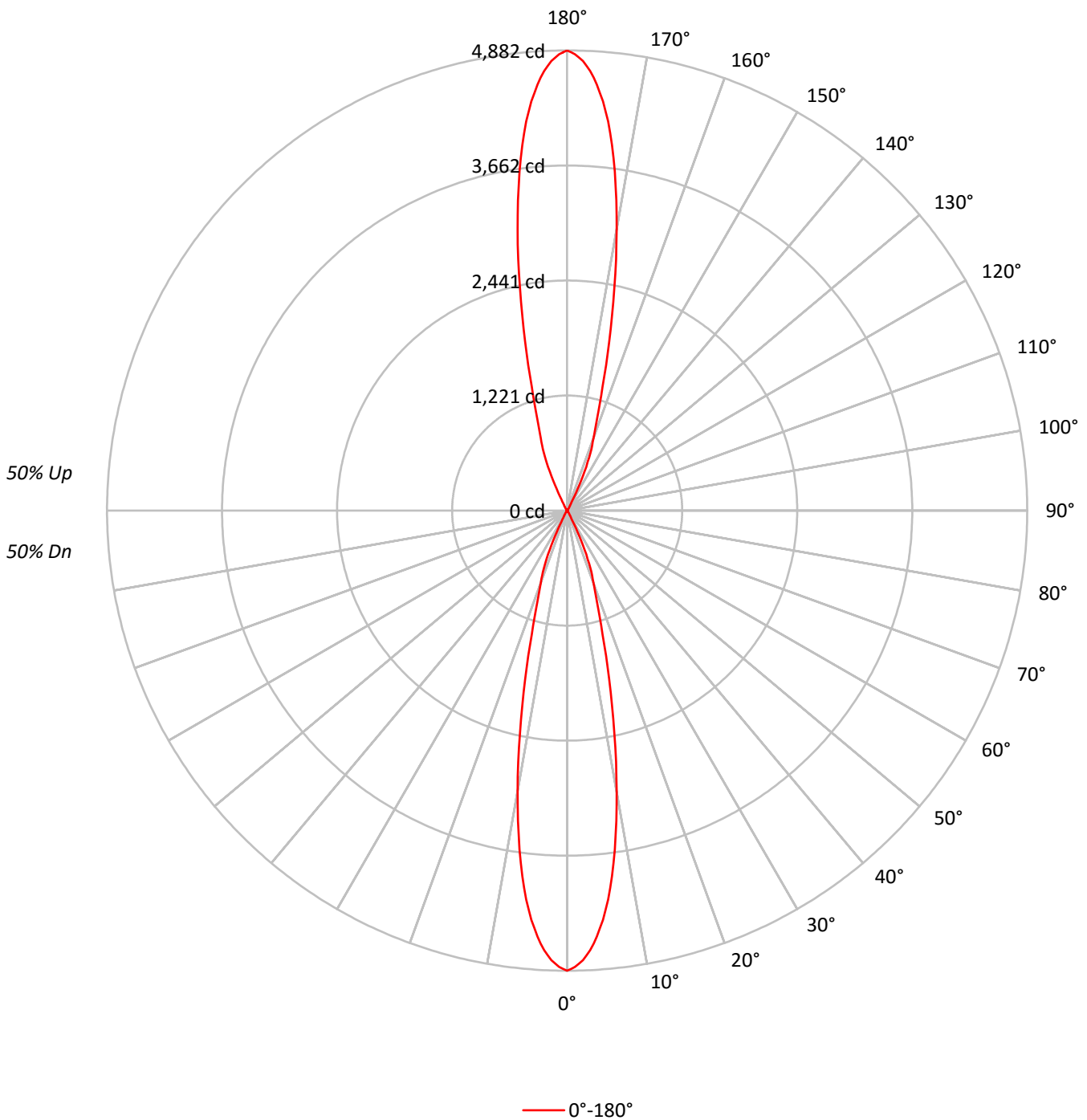
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	86	78	76	75	66	65	64	54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41
7	73	65	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1070441
5°	959231
10°	673913
15°	361659
20°	190230
25°	85045
30°	16433
35°	6050
40°	3435
45°	2853
50°	2422
55°	1873
60°	1535
65°	1090
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.8	18.3
10°-20°	449.3	22.1
20°-30°	163.9	8.1
30°-40°	18.1	0.9
40°-50°	7.1	0.4
50°-60°	4.5	0.2
60°-70°	2.1	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	2.1	0.1
120°-130°	4.5	0.2
130°-140°	7.1	0.4
140°-150°	18.1	0.9
150°-160°	163.9	8.1
160°-170°	449.3	22.1
170°-180°	372.8	18.3
0°-30°	986.1	48.4
0°-40°	1004.2	49.3
0°-60°	1015.8	49.9
0°-90°	1018.1	50.0
90°-120°	2.5	0.1
90°-150°	32.2	1.6
90°-180°	1018.0	50.0
0°-180°	2036.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4882	
5°	4358	373
15°	1593	449
25°	352	164
35°	23	18
45°	9	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	5	4
135°	9	7
145°	23	18
155°	352	164
165°	1593	449
175°	4358	373
180°	4882	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4881.6
1°	4842.1
2°	4772.9
3°	4671.2
4°	4530.8
5°	4357.8
6°	4151.0
7°	3908.2
8°	3633.0
9°	3334.4
10°	3026.6
11°	2716.8
12°	2409.7
13°	2119.6
14°	1842.9
15°	1593.1
16°	1363.7
17°	1176.6
18°	1024.9
19°	904.9
20°	815.2
21°	741.8
22°	657.8
23°	558.3
24°	454.6
25°	351.5
26°	253.4
27°	165.9
28°	104.5
29°	76.2
30°	64.9
32.5°	43.8
35°	22.6
37.5°	14.8
40°	12.0
42.5°	10.6
45°	9.2
47.5°	7.8
50°	7.1
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	2.8
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	0.7
110°	0.7
112.5°	1.4
115°	2.1
117.5°	2.8
120°	3.5
122.5°	4.2
125°	4.9
127.5°	5.6
130°	7.1
132.5°	7.8
135°	9.2
137.5°	10.6
140°	12.0
142.5°	14.8
145°	22.6
147.5°	43.8
150°	64.9
151°	76.2
152°	104.5
153°	165.9
154°	253.4
155°	351.5
156°	454.6
157°	558.3
158°	657.8
159°	741.8
160°	815.2
161°	904.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1024.9
163°	1176.6
164°	1363.7
165°	1593.1
166°	1842.9
167°	2119.6
168°	2409.7
169°	2716.8
170°	3026.6
171°	3334.4
172°	3633.0
173°	3908.2
174°	4151.0
175°	4357.8
176°	4530.8
177°	4671.2
178°	4772.9
179°	4842.1
180°	4881.6

(END OF REPORT)