

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: P221498

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)  
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-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2583.2 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

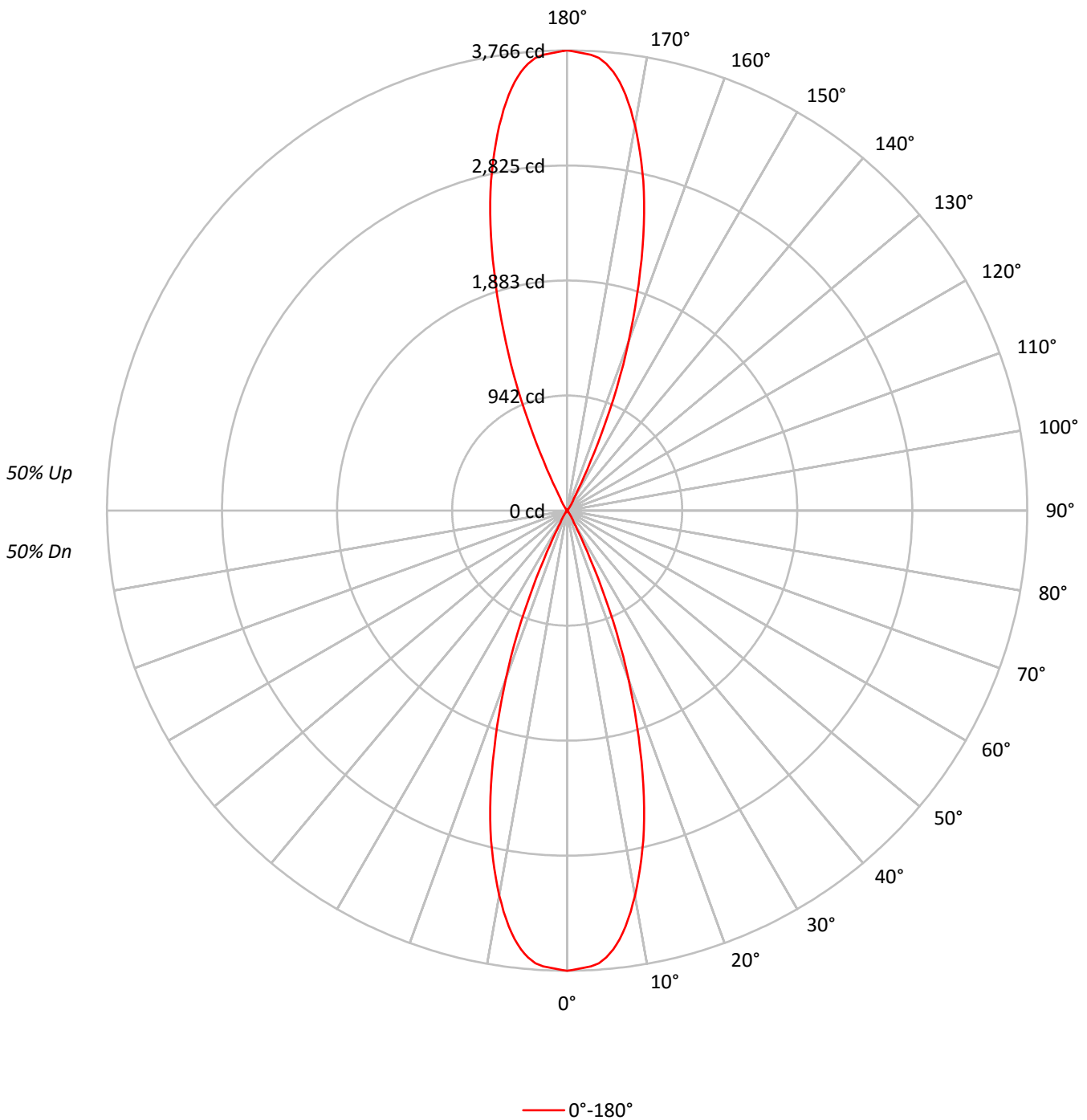
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	93	91	88	86	77	76	74		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	48	46		45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45		47	44	42		42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43		45	42	41		41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41		44	41	39		40	38	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	825877
5°	808076
10°	712211
15°	550264
20°	341746
25°	126612
30°	26510
35°	9985
40°	3635
45°	2450
50°	2149
55°	1835
60°	1403
65°	830
70°	513
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.2	13.0
10°-20°	650.4	25.2
20°-30°	265.0	10.3
30°-40°	28.0	1.1
40°-50°	6.5	0.3
50°-60°	4.3	0.2
60°-70°	1.9	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°	1.9	0.1
120°-130°	4.3	0.2
130°-140°	6.5	0.3
140°-150°	28.0	1.1
150°-160°	265.0	10.3
160°-170°	650.4	25.2
170°-180°	335.2	13.0
0°-30°	1250.6	48.4
0°-40°	1278.6	49.5
0°-60°	1289.4	49.9
0°-90°	1291.6	50.0
90°-120°	2.4	0.1
90°-150°	41.2	1.6
90°-180°	1292.0	50.0
0°-180°	2583.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3766	
5°	3671	335
15°	2424	650
25°	523	265
35°	37	28
45°	8	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	5	4
135°	8	7
145°	37	28
155°	523	265
165°	2424	650
175°	3671	335
180°	3766	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3766.3
1°	3756.8
2°	3745.7
3°	3735.4
4°	3714.8
5°	3671.1
6°	3611.7
7°	3534.0
8°	3434.9
9°	3322.3
10°	3198.6
11°	3063.0
12°	2918.7
13°	2768.0
14°	2603.1
15°	2423.9
16°	2241.5
17°	2039.4
18°	1850.6
19°	1654.0
20°	1464.5
21°	1279.7
22°	1083.9
23°	884.1
24°	694.6
25°	523.3
26°	375.0
27°	255.3
28°	168.9
29°	125.3
30°	104.7
32.5°	69.0
35°	37.3
37.5°	20.6
40°	12.7
42.5°	9.5
45°	7.9
47.5°	7.1
50°	6.3
52.5°	5.6
55°	4.8
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
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°	0.8
110°	0.8
112.5°	1.6
115°	1.6
117.5°	2.4
120°	3.2
122.5°	4.0
125°	4.8
127.5°	5.6
130°	6.3
132.5°	7.1
135°	7.9
137.5°	9.5
140°	12.7
142.5°	20.6
145°	37.3
147.5°	69.0
150°	104.7
151°	125.3
152°	168.9
153°	255.3
154°	375.0
155°	523.3
156°	694.6
157°	884.1
158°	1083.9
159°	1279.7
160°	1464.5
161°	1654.0



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1850.6
163°	2039.4
164°	2241.5
165°	2423.9
166°	2603.1
167°	2768.0
168°	2918.7
169°	3063.0
170°	3198.6
171°	3322.3
172°	3434.9
173°	3534.0
174°	3611.7
175°	3671.1
176°	3714.8
177°	3735.4
178°	3745.7
179°	3756.8
180°	3766.3

(END OF REPORT)