

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: P221437

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221437  
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-L1-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: 1104.2 lumens  
Efficiency: N/A  
Efficacy: 56.3 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

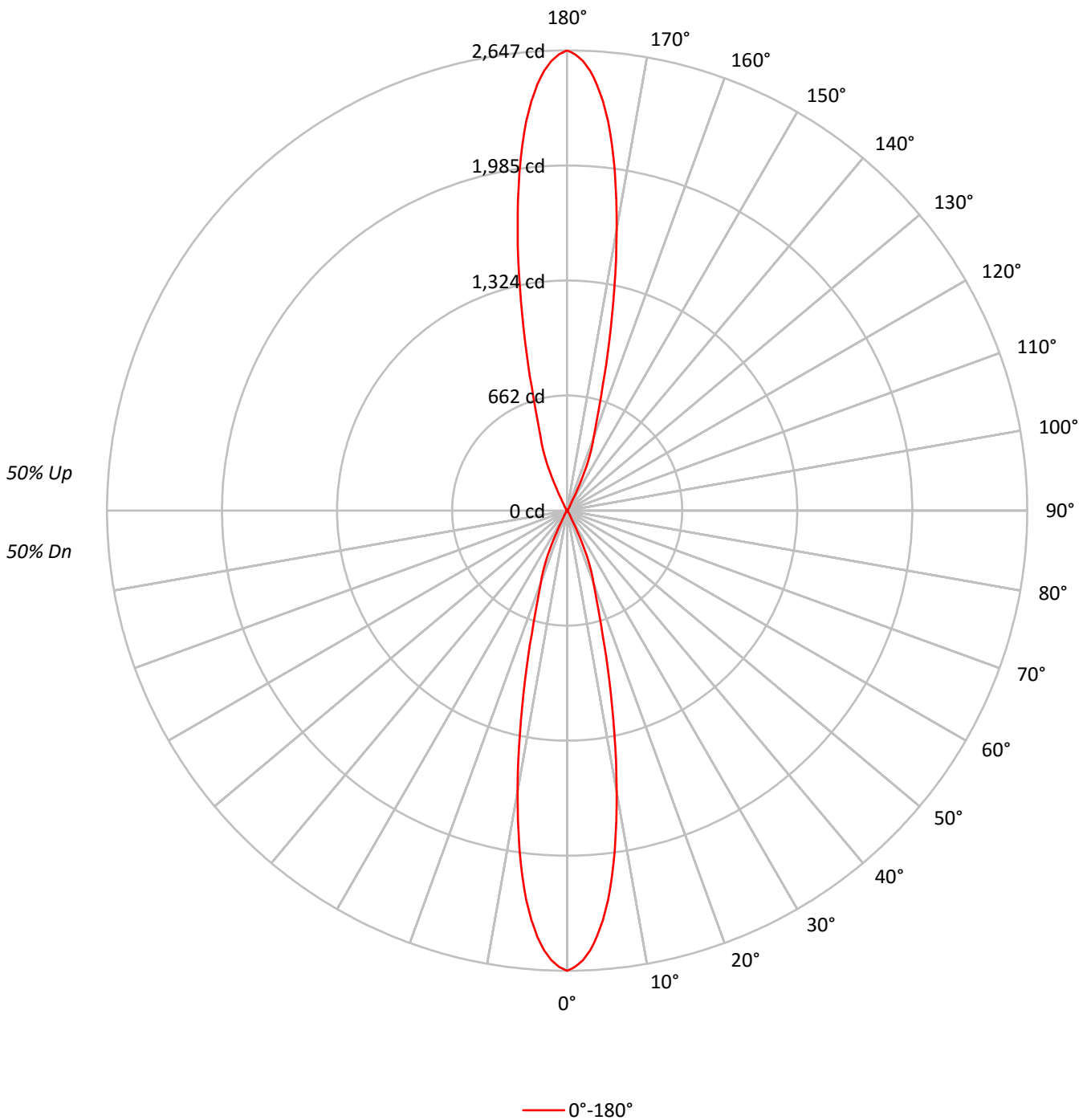
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	580480
5°	520184
10°	365457
15°	196119
20°	103166
25°	46116
30°	8913
35°	3266
40°	1861
45°	1551
50°	1296
55°	1032
60°	833
65°	571
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.2	18.3
10°-20°	243.7	22.1
20°-30°	88.9	8.1
30°-40°	9.8	0.9
40°-50°	3.9	0.3
50°-60°	2.4	0.2
60°-70°	1.1	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.1	0.1
120°-130°	2.4	0.2
130°-140°	3.9	0.3
140°-150°	9.8	0.9
150°-160°	88.9	8.1
160°-170°	243.7	22.1
170°-180°	202.2	18.3
0°-30°	534.7	48.4
0°-40°	544.5	49.3
0°-60°	550.8	49.9
0°-90°	552.1	50.0
90°-120°	1.4	0.1
90°-150°	17.5	1.6
90°-180°	552.0	50.0
0°-180°	1104.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2647	
5°	2363	202
15°	864	244
25°	191	89
35°	12	10
45°	5	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	5	4
145°	12	10
155°	191	89
165°	864	244
175°	2363	202
180°	2647	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2647.2
1°	2625.7
2°	2588.2
3°	2533.1
4°	2456.9
5°	2363.2
6°	2251.0
7°	2119.3
8°	1970.1
9°	1808.2
10°	1641.3
11°	1473.2
12°	1306.7
13°	1149.4
14°	999.4
15°	863.9
16°	739.5
17°	638.1
18°	555.8
19°	490.7
20°	442.1
21°	402.3
22°	356.7
23°	302.8
24°	246.5
25°	190.6
26°	137.4
27°	89.9
28°	56.6
29°	41.3
30°	35.2
32.5°	23.7
35°	12.2
37.5°	8.0
40°	6.5
42.5°	5.7
45°	5.0
47.5°	4.2
50°	3.8
52.5°	3.1
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.5
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
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°	0.4
110°	0.4
112.5°	0.8
115°	1.1
117.5°	1.5
120°	1.9
122.5°	2.3
125°	2.7
127.5°	3.1
130°	3.8
132.5°	4.2
135°	5.0
137.5°	5.7
140°	6.5
142.5°	8.0
145°	12.2
147.5°	23.7
150°	35.2
151°	41.3
152°	56.6
153°	89.9
154°	137.4
155°	190.6
156°	246.5
157°	302.8
158°	356.7
159°	402.3
160°	442.1
161°	490.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	555.8
163°	638.1
164°	739.5
165°	863.9
166°	999.4
167°	1149.4
168°	1306.7
169°	1473.2
170°	1641.3
171°	1808.2
172°	1970.1
173°	2119.3
174°	2251.0
175°	2363.2
176°	2456.9
177°	2533.1
178°	2588.2
179°	2625.7
180°	2647.2

(END OF REPORT)