

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: P221506

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
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-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2407.8 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

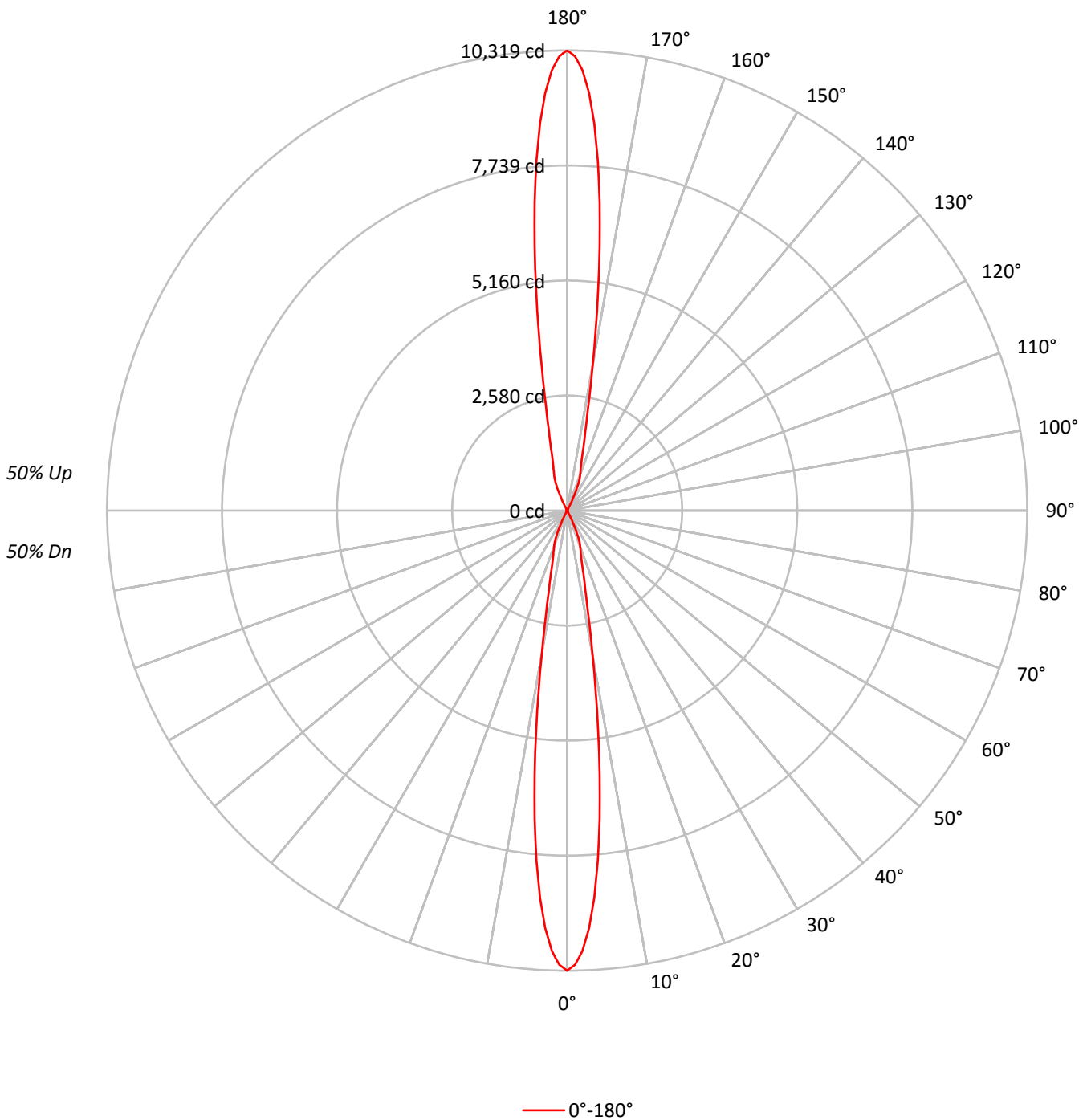
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

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

	0°
0°	2262713
5°	1733454
10°	727219
15°	306903
20°	199634
25°	87489
30°	11850
35°	4470
40°	3177
45°	2450
50°	2149
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	592.9	24.6
10°-20°	413.4	17.2
20°-30°	170.4	7.1
30°-40°	13.5	0.6
40°-50°	6.4	0.3
50°-60°	4.7	0.2
60°-70°	2.4	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°	2.4	0.1
120°-130°	4.7	0.2
130°-140°	6.4	0.3
140°-150°	13.5	0.6
150°-160°	170.4	7.1
160°-170°	413.4	17.2
170°-180°	592.9	24.6
0°-30°	1176.6	48.9
0°-40°	1190.1	49.4
0°-60°	1201.2	49.9
0°-90°	1203.9	50.0
90°-120°	2.9	0.1
90°-150°	27.4	1.1
90°-180°	1204.0	50.0
0°-180°	2407.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10319	
5°	7875	593
15°	1352	413
25°	362	170
35°	17	13
45°	8	6
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	6	5
135°	8	6
145°	17	13
155°	362	170
165°	1352	413
175°	7875	593
180°	10319	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10318.8
1°	10187.2
2°	9878.8
3°	9376.9
4°	8706.9
5°	7875.1
6°	6949.8
7°	5980.1
8°	4982.6
9°	4068.4
10°	3266.0
11°	2630.8
12°	2160.7
13°	1814.2
14°	1561.2
15°	1351.9
16°	1183.0
17°	1072.8
18°	988.0
19°	913.4
20°	855.5
21°	802.4
22°	721.5
23°	611.3
24°	486.0
25°	361.6
26°	251.4
27°	150.7
28°	84.0
29°	56.3
30°	46.8
32.5°	30.1
35°	16.7
37.5°	12.7
40°	11.1
42.5°	9.5
45°	7.9
47.5°	7.1
50°	6.3
52.5°	5.6
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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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°	2.4
117.5°	3.2
120°	4.0
122.5°	4.8
125°	5.6
127.5°	5.6
130°	6.3
132.5°	7.1
135°	7.9
137.5°	9.5
140°	11.1
142.5°	12.7
145°	16.7
147.5°	30.1
150°	46.8
151°	56.3
152°	84.0
153°	150.7
154°	251.4
155°	361.6
156°	486.0
157°	611.3
158°	721.5
159°	802.4
160°	855.5
161°	913.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	988.0
163°	1072.8
164°	1183.0
165°	1351.9
166°	1561.2
167°	1814.2
168°	2160.7
169°	2630.8
170°	3266.0
171°	4068.4
172°	4982.6
173°	5980.1
174°	6949.8
175°	7875.1
176°	8706.9
177°	9376.9
178°	9878.8
179°	10187.2
180°	10318.8

(END OF REPORT)