

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: P221662

Luminaire Tested: **9003-W2-FL-LED4080-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED4080-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3259.2 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

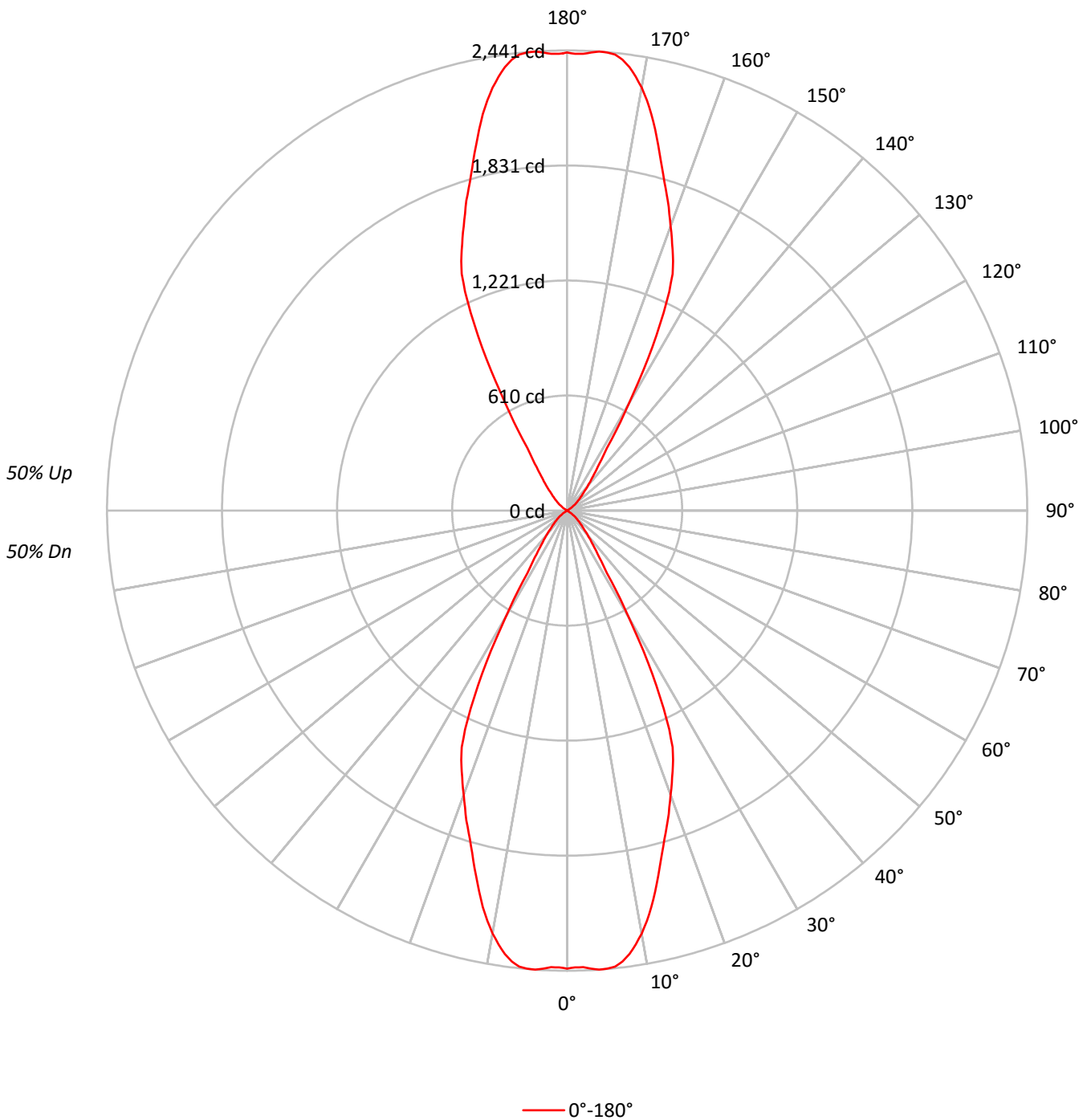
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

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

	0°
0°	532852
5°	536869
10°	507227
15°	436325
20°	374533
25°	309937
30°	165342
35°	75222
40°	48090
45°	31631
50°	22174
55°	11087
60°	2631
65°	2594
70°	2565
75°	1694
80°	1263
85°	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.9	7.0
10°-20°	537.5	16.5
20°-30°	549.3	16.9
30°-40°	198.9	6.1
40°-50°	81.9	2.5
50°-60°	26.4	0.8
60°-70°	4.7	0.1
70°-80°	2.2	0.1
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.2	0.1
110°-120°	4.7	0.1
120°-130°	26.4	0.8
130°-140°	81.9	2.5
140°-150°	198.9	6.1
150°-160°	549.3	16.9
160°-170°	537.5	16.5
170°-180°	227.9	7.0
0°-30°	1314.7	40.3
0°-40°	1513.6	46.4
0°-60°	1622.0	49.8
0°-90°	1629.6	50.0
90°-120°	7.6	0.2
90°-150°	314.9	9.7
90°-180°	1630.0	50.0
0°-180°	3259.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2430	
5°	2439	228
15°	1922	537
25°	1281	549
35°	281	199
45°	102	82
55°	29	26
65°	5	5
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	5	5
125°	29	26
135°	102	82
145°	281	199
155°	1281	549
165°	1922	537
175°	2439	228
180°	2430	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2430
1°	2423
2°	2424
3°	2433
4°	2441
5°	2439
6°	2432
7°	2410
8°	2375
9°	2329
10°	2278
11°	2217
12°	2150
13°	2075
14°	1997
15°	1922
16°	1850
17°	1787
18°	1729
19°	1665
20°	1605
21°	1548
22°	1492
23°	1438
24°	1374
25°	1281
26°	1167
27°	1043
28°	912
29°	780
30°	653
32.5°	392
35°	281
37.5°	217
40°	168
42.5°	128
45°	102
47.5°	82
50°	65
52.5°	48
55°	29
57.5°	8
60°	6
62.5°	5
65°	5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4
70°	4
72.5°	3
75°	2
77.5°	1
80°	1
82.5°	1
85°	1
87.5°	0
90°	0
92.5°	0
95°	1
97.5°	1
100°	1
102.5°	1
105°	2
107.5°	3
110°	4
112.5°	4
115°	5
117.5°	5
120°	6
122.5°	8
125°	29
127.5°	48
130°	65
132.5°	82
135°	102
137.5°	128
140°	168
142.5°	217
145°	281
147.5°	392
150°	653
151°	780
152°	912
153°	1043
154°	1167
155°	1281
156°	1374
157°	1438
158°	1492
159°	1548
160°	1605
161°	1665



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1729
163°	1787
164°	1850
165°	1922
166°	1997
167°	2075
168°	2150
169°	2217
170°	2278
171°	2329
172°	2375
173°	2410
174°	2432
175°	2439
176°	2441
177°	2433
178°	2424
179°	2423
180°	2430

(END OF REPORT)