

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: P221430

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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]-LED3090-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2184.0 lumens  
Efficiency: N/A  
Efficacy: 54.3 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

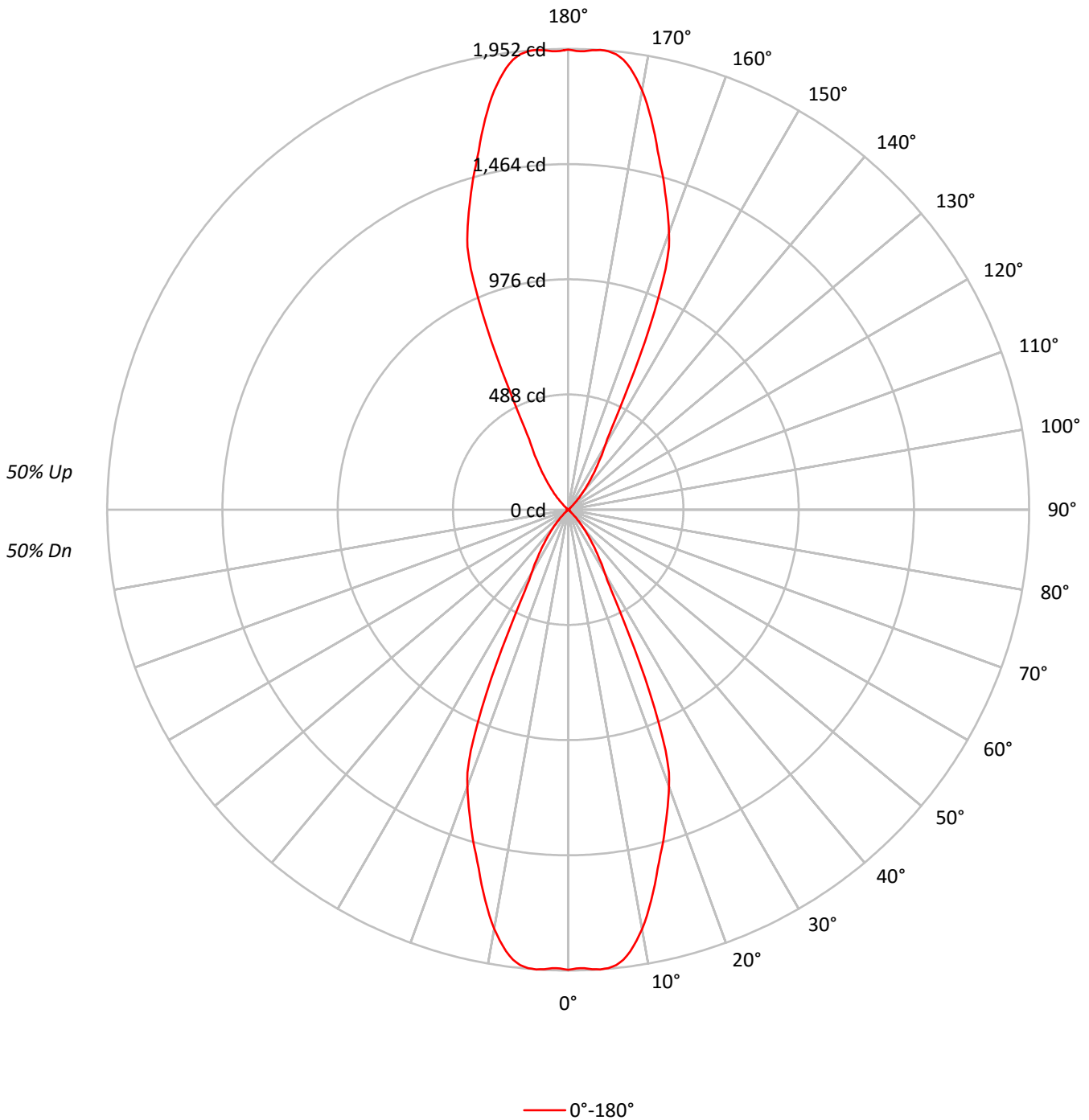
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

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

	0°
0°	427356
5°	429165
10°	401418
15°	342953
20°	291459
25°	173212
30°	78797
35°	49978
40°	28339
45°	10389
50°	3275
55°	2447
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.6	8.3
10°-20°	422.2	19.3
20°-30°	327.8	15.0
30°-40°	119.5	5.5
40°-50°	31.6	1.4
50°-60°	5.9	0.3
60°-70°	2.7	0.1
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	2.7	0.1
120°-130°	5.9	0.3
130°-140°	31.6	1.4
140°-150°	119.5	5.5
150°-160°	327.8	15.0
160°-170°	422.2	19.3
170°-180°	181.6	8.3
0°-30°	931.6	42.7
0°-40°	1051.1	48.1
0°-60°	1088.6	49.8
0°-90°	1092.0	50.0
90°-120°	3.4	0.2
90°-150°	160.4	7.3
90°-180°	1092.0	50.0
0°-180°	2184.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1949	
5°	1950	182
15°	1511	422
25°	716	328
35°	187	119
45°	34	32
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	3
125°	6	6
135°	34	32
145°	187	119
155°	716	328
165°	1511	422
175°	1950	182
180°	1949	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1948.9
1°	1943.3
2°	1943.3
3°	1948.9
4°	1952.1
5°	1949.7
6°	1940.1
7°	1920.1
8°	1889.0
9°	1848.3
10°	1802.8
11°	1750.2
12°	1691.9
13°	1630.4
14°	1567.4
15°	1510.7
16°	1459.7
17°	1405.4
18°	1353.5
19°	1300.8
20°	1249.0
21°	1191.5
22°	1100.5
23°	980.8
24°	850.7
25°	715.9
26°	589.0
27°	475.6
28°	390.3
29°	341.6
30°	311.2
32.5°	245.0
35°	186.7
37.5°	140.5
40°	99.0
42.5°	65.4
45°	33.5
47.5°	15.2
50°	9.6
52.5°	7.2
55°	6.4
57.5°	5.6
60°	4.8
62.5°	3.2
65°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	2.4
115°	2.4
117.5°	3.2
120°	4.8
122.5°	5.6
125°	6.4
127.5°	7.2
130°	9.6
132.5°	15.2
135°	33.5
137.5°	65.4
140°	99.0
142.5°	140.5
145°	186.7
147.5°	245.0
150°	311.2
151°	341.6
152°	390.3
153°	475.6
154°	589.0
155°	715.9
156°	850.7
157°	980.8
158°	1100.5
159°	1191.5
160°	1249.0
161°	1300.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1353.5
163°	1405.4
164°	1459.7
165°	1510.7
166°	1567.4
167°	1630.4
168°	1691.9
169°	1750.2
170°	1802.8
171°	1848.3
172°	1889.0
173°	1920.1
174°	1940.1
175°	1949.7
176°	1952.1
177°	1948.9
178°	1943.3
179°	1943.3
180°	1948.9

(END OF REPORT)