

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: P221421

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221421  
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]-LED3090-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1248.5 lumens  
Efficiency: N/A  
Efficacy: 63.7 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

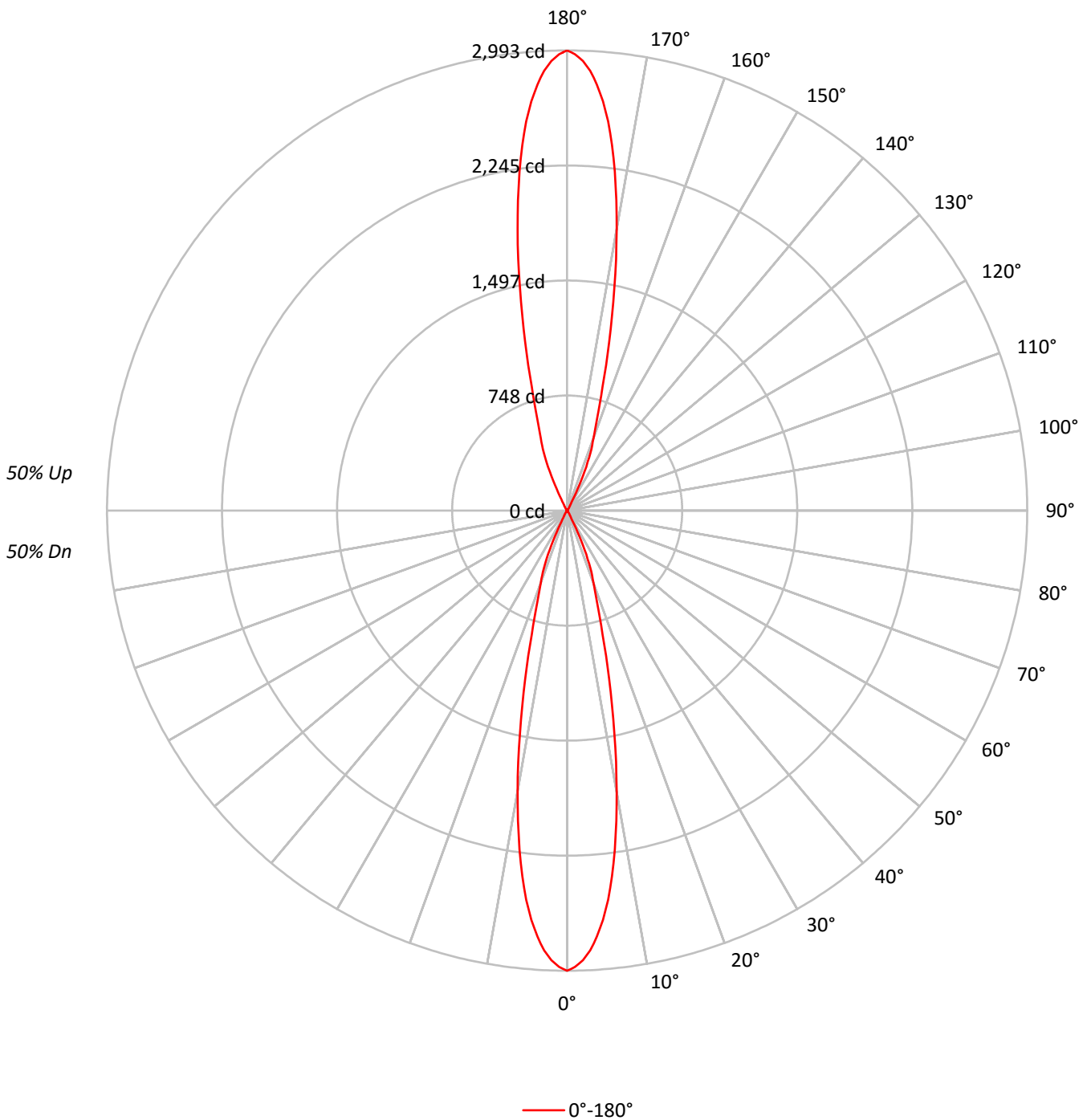
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	656307
5°	588134
10°	413197
15°	221749
20°	116630
25°	52140
30°	10077
35°	3694
40°	2118
45°	1737
50°	1467
55°	1147
60°	965
65°	675
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.6	18.3
10°-20°	275.5	22.1
20°-30°	100.5	8.1
30°-40°	11.1	0.9
40°-50°	4.4	0.4
50°-60°	2.8	0.2
60°-70°	1.3	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°	1.3	0.1
120°-130°	2.8	0.2
130°-140°	4.4	0.4
140°-150°	11.1	0.9
150°-160°	100.5	8.1
160°-170°	275.5	22.1
170°-180°	228.6	18.3
0°-30°	604.6	48.4
0°-40°	615.7	49.3
0°-60°	622.8	49.9
0°-90°	624.2	50.0
90°-120°	1.5	0.1
90°-150°	19.8	1.6
90°-180°	624.0	50.0
0°-180°	1248.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2993	
5°	2672	229
15°	977	275
25°	216	101
35°	14	11
45°	6	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	6	4
145°	14	11
155°	216	101
165°	977	275
175°	2672	229
180°	2993	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2993.0
1°	2968.8
2°	2926.4
3°	2864.1
4°	2778.0
5°	2671.9
6°	2545.1
7°	2396.3
8°	2227.5
9°	2044.4
10°	1855.7
11°	1665.7
12°	1477.5
13°	1299.6
14°	1130.0
15°	976.8
16°	836.1
17°	721.4
18°	628.4
19°	554.8
20°	499.8
21°	454.8
22°	403.3
23°	342.3
24°	278.7
25°	215.5
26°	155.4
27°	101.7
28°	64.1
29°	46.7
30°	39.8
32.5°	26.8
35°	13.8
37.5°	9.1
40°	7.4
42.5°	6.5
45°	5.6
47.5°	4.8
50°	4.3
52.5°	3.5
55°	3.0
57.5°	2.6
60°	2.2
62.5°	1.7
65°	1.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
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°	0.9
115°	1.3
117.5°	1.7
120°	2.2
122.5°	2.6
125°	3.0
127.5°	3.5
130°	4.3
132.5°	4.8
135°	5.6
137.5°	6.5
140°	7.4
142.5°	9.1
145°	13.8
147.5°	26.8
150°	39.8
151°	46.7
152°	64.1
153°	101.7
154°	155.4
155°	215.5
156°	278.7
157°	342.3
158°	403.3
159°	454.8
160°	499.8
161°	554.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	628.4
163°	721.4
164°	836.1
165°	976.8
166°	1130.0
167°	1299.6
168°	1477.5
169°	1665.7
170°	1855.7
171°	2044.4
172°	2227.5
173°	2396.3
174°	2545.1
175°	2671.9
176°	2778.0
177°	2864.1
178°	2926.4
179°	2968.8
180°	2993.0

(END OF REPORT)