

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: P221317

Luminaire Tested: **9002-W2-FL-LED3090-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED3090-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

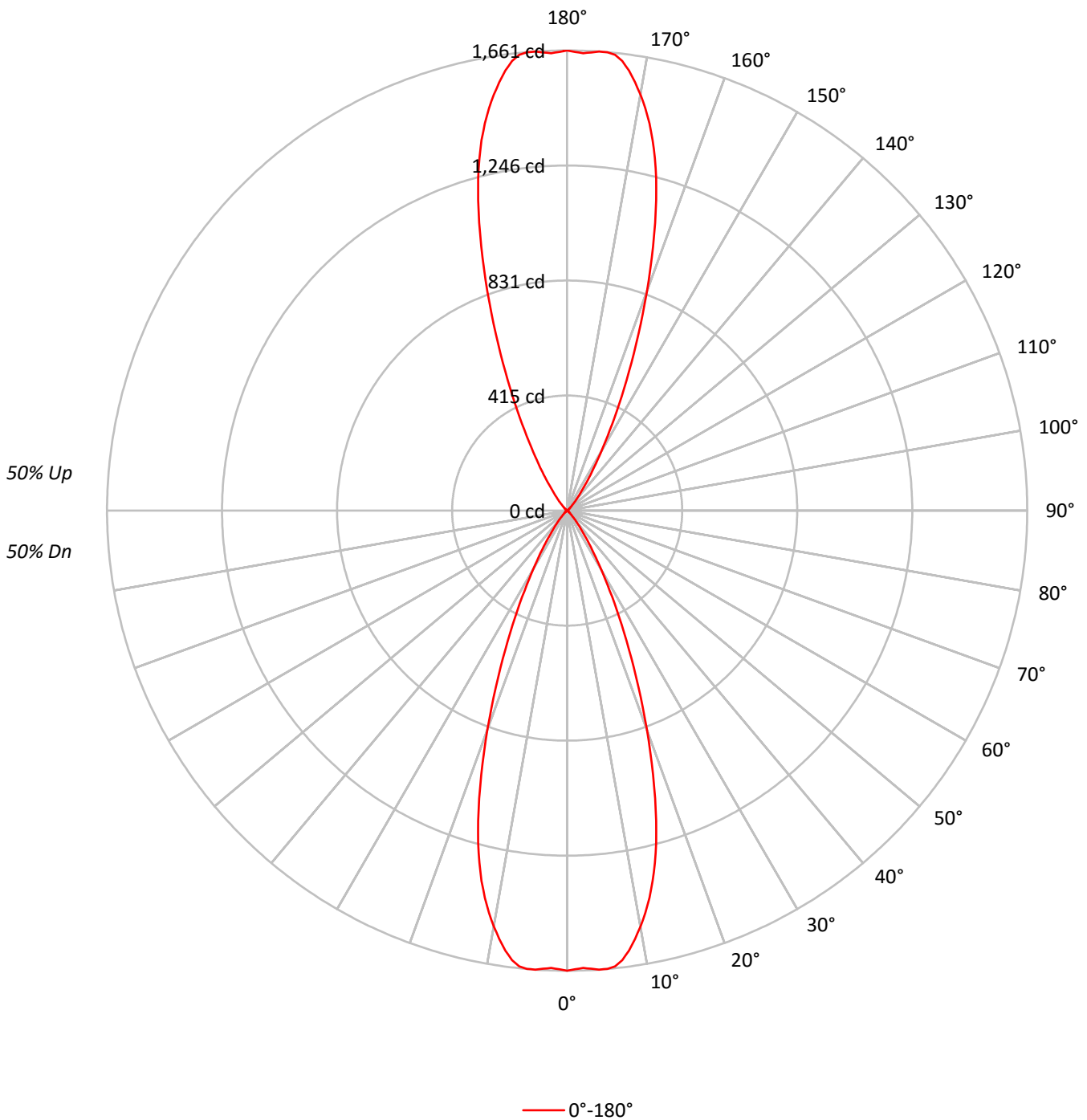
Lumens per Lamp: N/A  
Luminaire Lumens: 1628.5 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 20  
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	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	48	44	59	51	46	42	46	42	40		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

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

	0°
0°	819454
5°	822584
10°	763760
15°	634036
20°	441509
25°	264680
30°	139863
35°	66675
40°	30979
45°	13466
50°	6755
55°	3441
60°	2368
65°	1868
70°	2308
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.3	9.5
10°-20°	335.0	20.6
20°-30°	225.6	13.9
30°-40°	75.8	4.7
40°-50°	17.1	1.0
50°-60°	4.3	0.3
60°-70°	1.9	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.9	0.1
120°-130°	4.3	0.3
130°-140°	17.1	1.0
140°-150°	75.8	4.7
150°-160°	225.6	13.9
160°-170°	335.0	20.6
170°-180°	154.3	9.5
0°-30°	714.9	43.9
0°-40°	790.6	48.5
0°-60°	812.0	49.9
0°-90°	814.3	50.0
90°-120°	2.5	0.2
90°-150°	99.6	6.1
90°-180°	814.0	50.0
0°-180°	1628.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1661	
5°	1661	154
15°	1241	335
25°	486	226
35°	111	76
45°	19	17
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	4	4
135°	19	17
145°	111	76
155°	486	226
165°	1241	335
175°	1661	154
180°	1661	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1660.9
1°	1655.3
2°	1652.1
3°	1656.1
4°	1660.9
5°	1660.9
6°	1654.5
7°	1635.2
8°	1603.9
9°	1565.4
10°	1524.5
11°	1478.8
12°	1429.0
13°	1372.9
14°	1310.3
15°	1241.3
16°	1165.0
17°	1086.4
18°	1003.8
19°	921.9
20°	840.9
21°	762.3
22°	686.8
23°	615.4
24°	548.8
25°	486.2
26°	428.5
27°	376.3
28°	327.4
29°	284.0
30°	245.5
32.5°	166.1
35°	110.7
37.5°	73.8
40°	48.1
42.5°	29.7
45°	19.3
47.5°	12.8
50°	8.8
52.5°	6.4
55°	4.0
57.5°	3.2
60°	2.4
62.5°	2.4
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	1.6
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°	1.6
112.5°	1.6
115°	1.6
117.5°	2.4
120°	2.4
122.5°	3.2
125°	4.0
127.5°	6.4
130°	8.8
132.5°	12.8
135°	19.3
137.5°	29.7
140°	48.1
142.5°	73.8
145°	110.7
147.5°	166.1
150°	245.5
151°	284.0
152°	327.4
153°	376.3
154°	428.5
155°	486.2
156°	548.8
157°	615.4
158°	686.8
159°	762.3
160°	840.9
161°	921.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1003.8
163°	1086.4
164°	1165.0
165°	1241.3
166°	1310.3
167°	1372.9
168°	1429.0
169°	1478.8
170°	1524.5
171°	1565.4
172°	1603.9
173°	1635.2
174°	1654.5
175°	1660.9
176°	1660.9
177°	1656.1
178°	1652.1
179°	1655.3
180°	1660.9

(END OF REPORT)