

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: P221234

Luminaire Tested: **9002-W2-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-[RW, RI]-LED3090-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1670.1 lumens  
Efficiency: N/A  
Efficacy: 83.5 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

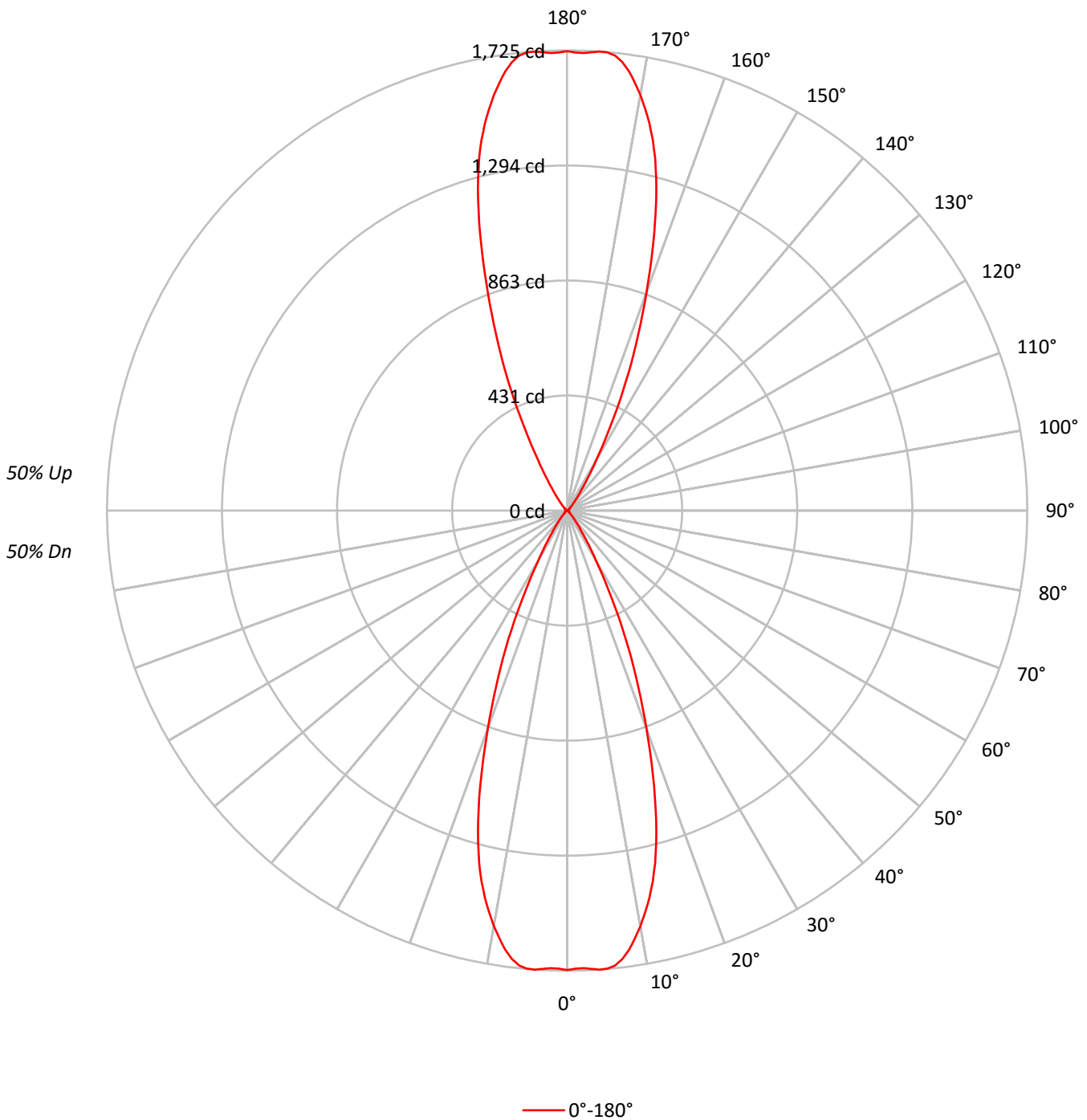
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	52	47
2	94	89	84	80	87	82	79	75	71	69	66	61	59	58	51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60	57	55	53	49	47	46	43
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	48	48	46	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	44	46	43	41	41	39	37	35
8	66	57	51	46	62	54	49	45	49	45	42	44	41	39	39	37	36	34
9	63	53	47	43	59	51	46	42	46	42	39	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°	849550
5°	853984
10°	792317
15°	659422
20°	455843
25°	270396
30°	122487
35°	54629
40°	24796
45°	12908
50°	8597
55°	8258
60°	7894
65°	7472
70°	8078
75°	9150
80°	9092
85°	9057



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.1	9.6
10°-20°	347.6	20.8
20°-30°	227.2	13.6
30°-40°	62.8	3.8
40°-50°	15.9	1.0
50°-60°	8.4	0.5
60°-70°	6.6	0.4
70°-80°	4.8	0.3
80°-90°	1.7	0.1
90°-100°	1.7	0.1
100°-110°	4.8	0.3
110°-120°	6.6	0.4
120°-130°	8.4	0.5
130°-140°	15.9	1.0
140°-150°	62.8	3.8
150°-160°	227.2	13.6
160°-170°	347.6	20.8
170°-180°	160.1	9.6
0°-30°	734.8	44.0
0°-40°	797.7	47.8
0°-60°	821.9	49.2
0°-90°	835.1	50.0
90°-120°	13.1	0.8
90°-150°	100.2	6.0
90°-180°	835.0	50.0
0°-180°	1670.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1722	
5°	1724	160
15°	1291	348
25°	497	227
35°	91	63
45°	18	16
55°	10	8
65°	6	7
75°	5	5
85°	2	2
90°	0	0
95°	2	2
105°	5	5
115°	6	7
125°	10	8
135°	18	16
145°	91	63
155°	497	227
165°	1291	348
175°	1724	160
180°	1722	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1721.9
1°	1717.9
2°	1716.3
3°	1720.3
4°	1725.1
5°	1724.3
6°	1714.7
7°	1694.6
8°	1663.3
9°	1624.0
10°	1581.5
11°	1534.1
12°	1482.8
13°	1426.6
14°	1362.4
15°	1291.0
16°	1210.8
17°	1126.5
18°	1039.9
19°	954.0
20°	868.2
22.5°	672.4
25°	496.7
26°	431.7
27°	366.7
28°	308.9
29°	256.8
30°	215.0
32.5°	137.2
35°	90.7
37.5°	58.6
40°	38.5
42.5°	26.5
45°	18.5
47.5°	13.6
50°	11.2
52.5°	9.6
55°	9.6
57.5°	8.8
60°	8.0
62.5°	7.2
65°	6.4
67.5°	6.4
70°	5.6
72.5°	4.8

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**CANDELA DISTRIBUTION (continued):**

	0°
75°	4.8
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0
92.5°	0.8
95°	1.6
97.5°	2.4
100°	3.2
102.5°	4.0
105°	4.8
107.5°	4.8
110°	5.6
112.5°	6.4
115°	6.4
117.5°	7.2
120°	8.0
122.5°	8.8
125°	9.6
127.5°	9.6
130°	11.2
132.5°	13.6
135°	18.5
137.5°	26.5
140°	38.5
142.5°	58.6
145°	90.7
147.5°	137.2
150°	215.0
151°	256.8
152°	308.9
153°	366.7
154°	431.7
155°	496.7
157.5°	672.4
160°	868.2
161°	954.0
162°	1039.9
163°	1126.5
164°	1210.8
165°	1291.0
166°	1362.4
167°	1426.6



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1482.8
169°	1534.1
170°	1581.5
171°	1624.0
172°	1663.3
173°	1694.6
174°	1714.7
175°	1724.3
176°	1725.1
177°	1720.3
178°	1716.3
179°	1717.9
180°	1721.9

(END OF REPORT)