

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: P221220

Luminaire Tested: **9002-W2-[RW, RI]-LED2790-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)  
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]-LED2790-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1491.7 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

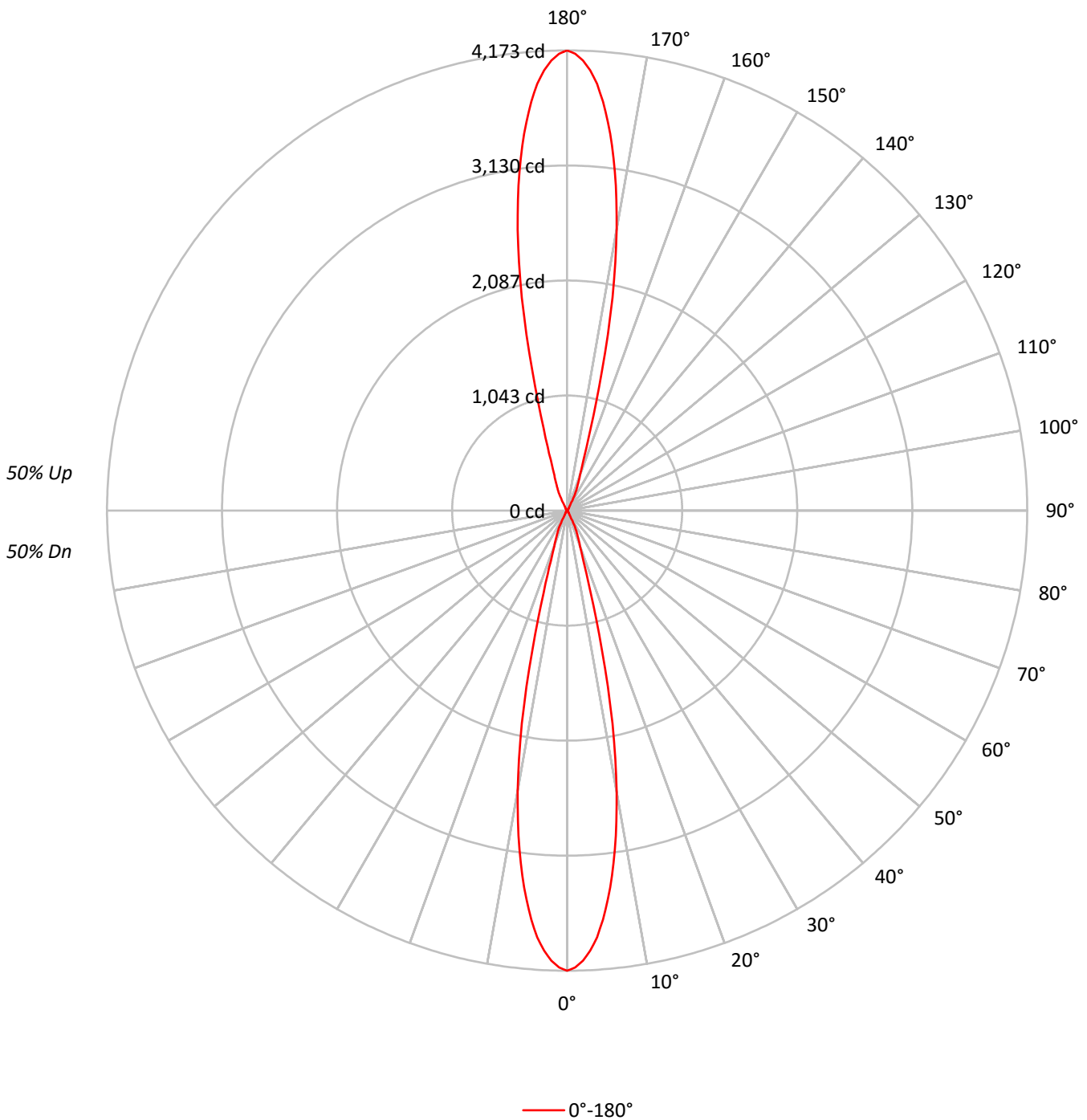
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	95	92	93	91	88	86	77	76	75		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	52	51	46
3	90	83	78	74	83	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	77	72	68	79	73	68	64	64	61	58		57	54	53		49	48	47	44
5	81	72	67	63	75	69	64	60	61	58	55		54	52	50		48	46	45	43
6	77	68	63	58	72	65	60	56	58	55	52		52	50	48		47	45	44	41
7	73	65	59	55	69	62	57	53	56	52	50		50	48	46		45	44	43	40
8	70	61	56	52	66	59	54	51	54	50	47		49	46	44		44	43	41	39
9	67	59	53	50	64	56	52	48	52	48	46		47	45	43		43	42	40	39
10	65	56	51	47	62	54	49	46	50	46	44		46	43	42		42	41	39	38

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

	0°
0°	2058725
5°	1844512
10°	1295512
15°	516862
20°	177780
25°	98969
30°	24156
35°	13251
40°	9725
45°	9001
50°	8750
55°	9118
60°	8980
65°	8873
70°	8800
75°	8578
80°	8524
85°	8491



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.7	21.4
10°-20°	302.1	20.3
20°-30°	76.6	5.1
30°-40°	14.9	1.0
40°-50°	10.0	0.7
50°-60°	9.4	0.6
60°-70°	7.5	0.5
70°-80°	5.0	0.3
80°-90°	1.7	0.1
90°-100°	1.7	0.1
100°-110°	5.0	0.3
110°-120°	7.5	0.5
120°-130°	9.4	0.6
130°-140°	10.0	0.7
140°-150°	14.9	1.0
150°-160°	76.6	5.1
160°-170°	302.1	20.3
170°-180°	318.7	21.4
0°-30°	697.4	46.8
0°-40°	712.3	47.8
0°-60°	731.7	49.1
0°-90°	745.8	50.0
90°-120°	14.1	0.9
90°-150°	48.5	3.2
90°-180°	746.0	50.0
0°-180°	1491.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4173	
5°	3724	319
15°	1012	302
25°	182	77
35°	22	15
45°	13	10
55°	11	9
65°	8	8
75°	4	5
85°	2	2
90°	0	0
95°	2	2
105°	4	5
115°	8	8
125°	11	9
135°	13	10
145°	22	15
155°	182	77
165°	1012	302
175°	3724	319
180°	4173	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4172.7
1°	4143.9
2°	4084.1
3°	3997.8
4°	3878.8
5°	3724.3
6°	3542.5
7°	3336.5
8°	3106.3
9°	2854.0
10°	2585.9
11°	2295.0
12°	1973.1
13°	1638.3
14°	1305.8
15°	1011.9
16°	775.6
17°	602.9
18°	481.7
19°	397.7
20°	338.6
22.5°	246.2
25°	181.8
26°	146.2
27°	103.0
28°	68.9
29°	51.5
30°	42.4
32.5°	28.8
35°	22.0
37.5°	17.4
40°	15.1
42.5°	13.6
45°	12.9
47.5°	12.1
50°	11.4
52.5°	11.4
55°	10.6
57.5°	9.8
60°	9.1
62.5°	8.3
65°	7.6
67.5°	6.8
70°	6.1
72.5°	5.3



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	4.5
77.5°	4.5
80°	3.0
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0
92.5°	0.8
95°	1.5
97.5°	2.3
100°	3.0
102.5°	4.5
105°	4.5
107.5°	5.3
110°	6.1
112.5°	6.8
115°	7.6
117.5°	8.3
120°	9.1
122.5°	9.8
125°	10.6
127.5°	11.4
130°	11.4
132.5°	12.1
135°	12.9
137.5°	13.6
140°	15.1
142.5°	17.4
145°	22.0
147.5°	28.8
150°	42.4
151°	51.5
152°	68.9
153°	103.0
154°	146.2
155°	181.8
157.5°	246.2
160°	338.6
161°	397.7
162°	481.7
163°	602.9
164°	775.6
165°	1011.9
166°	1305.8
167°	1638.3



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1973.1
169°	2295.0
170°	2585.9
171°	2854.0
172°	3106.3
173°	3336.5
174°	3542.5
175°	3724.3
176°	3878.8
177°	3997.8
178°	4084.1
179°	4143.9
180°	4172.7

(END OF REPORT)