

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: P221226

Luminaire Tested: **9002-W2-[RW, RI]-LED2797-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221226  
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]-LED2797-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1502.2 lumens  
Efficiency: N/A  
Efficacy: 75.1 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

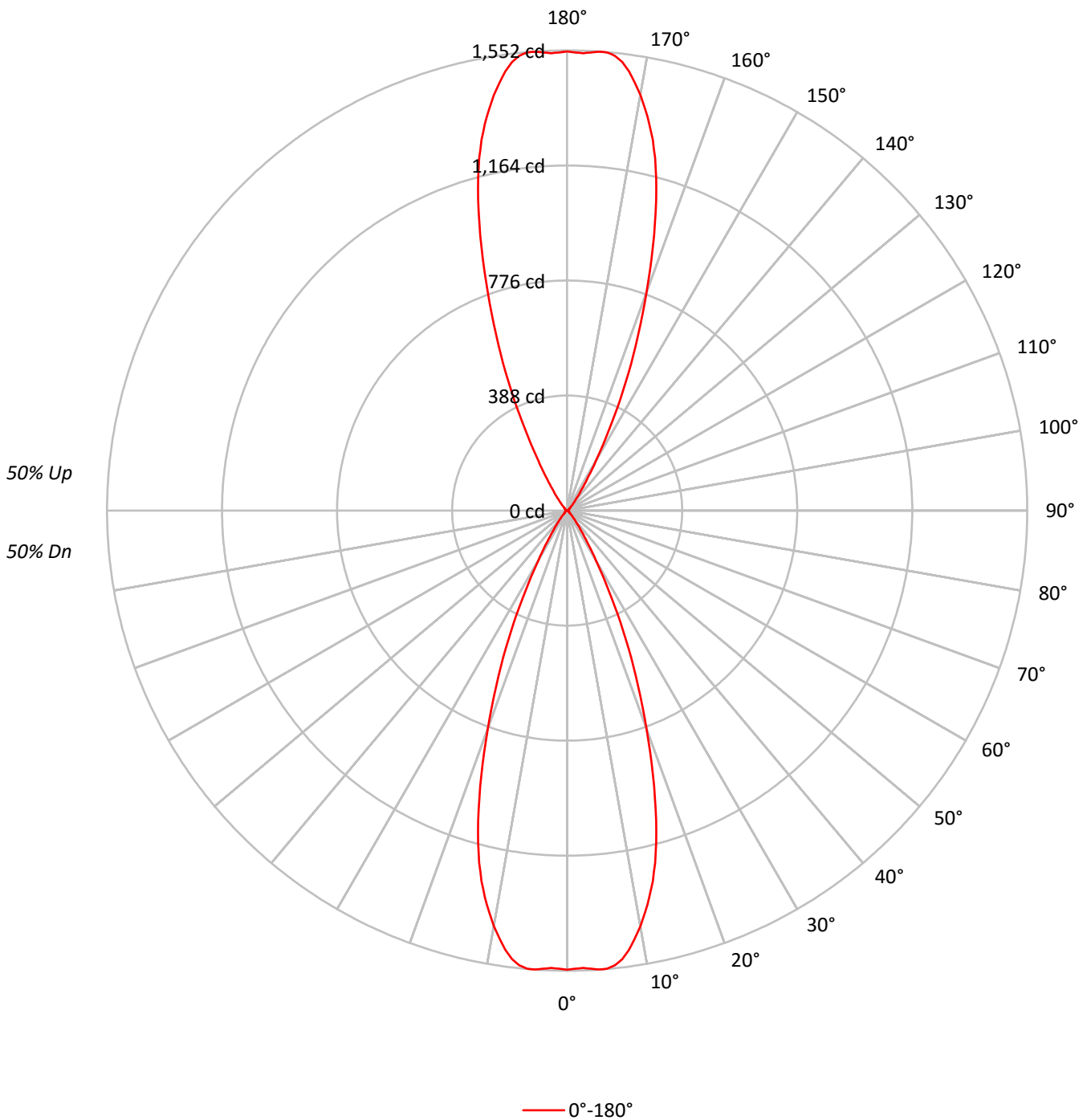
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	57	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°	764048
5°	768056
10°	712609
15°	593071
20°	409954
25°	243176
30°	110181
35°	49088
40°	22285
45°	11583
50°	7752
55°	7484
60°	7105
65°	6771
70°	7357
75°	8197
80°	8240
85°	7925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.0	9.6
10°-20°	312.6	20.8
20°-30°	204.3	13.6
30°-40°	56.5	3.8
40°-50°	14.3	1.0
50°-60°	7.6	0.5
60°-70°	6.0	0.4
70°-80°	4.3	0.3
80°-90°	1.6	0.1
90°-100°	1.6	0.1
100°-110°	4.3	0.3
110°-120°	6.0	0.4
120°-130°	7.6	0.5
130°-140°	14.3	1.0
140°-150°	56.5	3.8
150°-160°	204.3	13.6
160°-170°	312.6	20.8
170°-180°	144.0	9.6
0°-30°	660.9	44.0
0°-40°	717.4	47.8
0°-60°	739.2	49.2
0°-90°	751.1	50.0
90°-120°	11.8	0.8
90°-150°	90.2	6.0
90°-180°	751.0	50.0
0°-180°	1502.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1549	
5°	1551	144
15°	1161	313
25°	447	204
35°	82	56
45°	17	14
55°	9	8
65°	6	6
75°	4	4
85°	1	1
90°	0	0
95°	1	1
105°	4	4
115°	6	6
125°	9	8
135°	17	14
145°	82	56
155°	447	204
165°	1161	313
175°	1551	144
180°	1549	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1548.6
1°	1545.0
2°	1543.6
3°	1547.2
4°	1551.5
5°	1550.8
6°	1542.2
7°	1524.1
8°	1496.0
9°	1460.6
10°	1422.4
11°	1379.8
12°	1333.6
13°	1283.1
14°	1225.4
15°	1161.1
16°	1089.0
17°	1013.2
18°	935.2
19°	858.0
20°	780.8
22.5°	604.7
25°	446.7
26°	388.2
27°	329.8
28°	277.8
29°	230.9
30°	193.4
32.5°	123.4
35°	81.5
37.5°	52.7
40°	34.6
42.5°	23.8
45°	16.6
47.5°	12.3
50°	10.1
52.5°	8.7
55°	8.7
57.5°	7.9
60°	7.2
62.5°	6.5
65°	5.8
67.5°	5.8
70°	5.1
72.5°	4.3



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	4.3
77.5°	3.6
80°	2.9
82.5°	2.2
85°	1.4
87.5°	0.7
90°	0.0
92.5°	0.7
95°	1.4
97.5°	2.2
100°	2.9
102.5°	3.6
105°	4.3
107.5°	4.3
110°	5.1
112.5°	5.8
115°	5.8
117.5°	6.5
120°	7.2
122.5°	7.9
125°	8.7
127.5°	8.7
130°	10.1
132.5°	12.3
135°	16.6
137.5°	23.8
140°	34.6
142.5°	52.7
145°	81.5
147.5°	123.4
150°	193.4
151°	230.9
152°	277.8
153°	329.8
154°	388.2
155°	446.7
157.5°	604.7
160°	780.8
161°	858.0
162°	935.2
163°	1013.2
164°	1089.0
165°	1161.1
166°	1225.4
167°	1283.1



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1333.6
169°	1379.8
170°	1422.4
171°	1460.6
172°	1496.0
173°	1524.1
174°	1542.2
175°	1550.8
176°	1551.5
177°	1547.2
178°	1543.6
179°	1545.0
180°	1548.6

(END OF REPORT)