

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: P221752

Luminaire Tested: **9004-W2-[RW, RI]-LED2797-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29492)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-[RW, RI]-LED2797-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2671.4 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

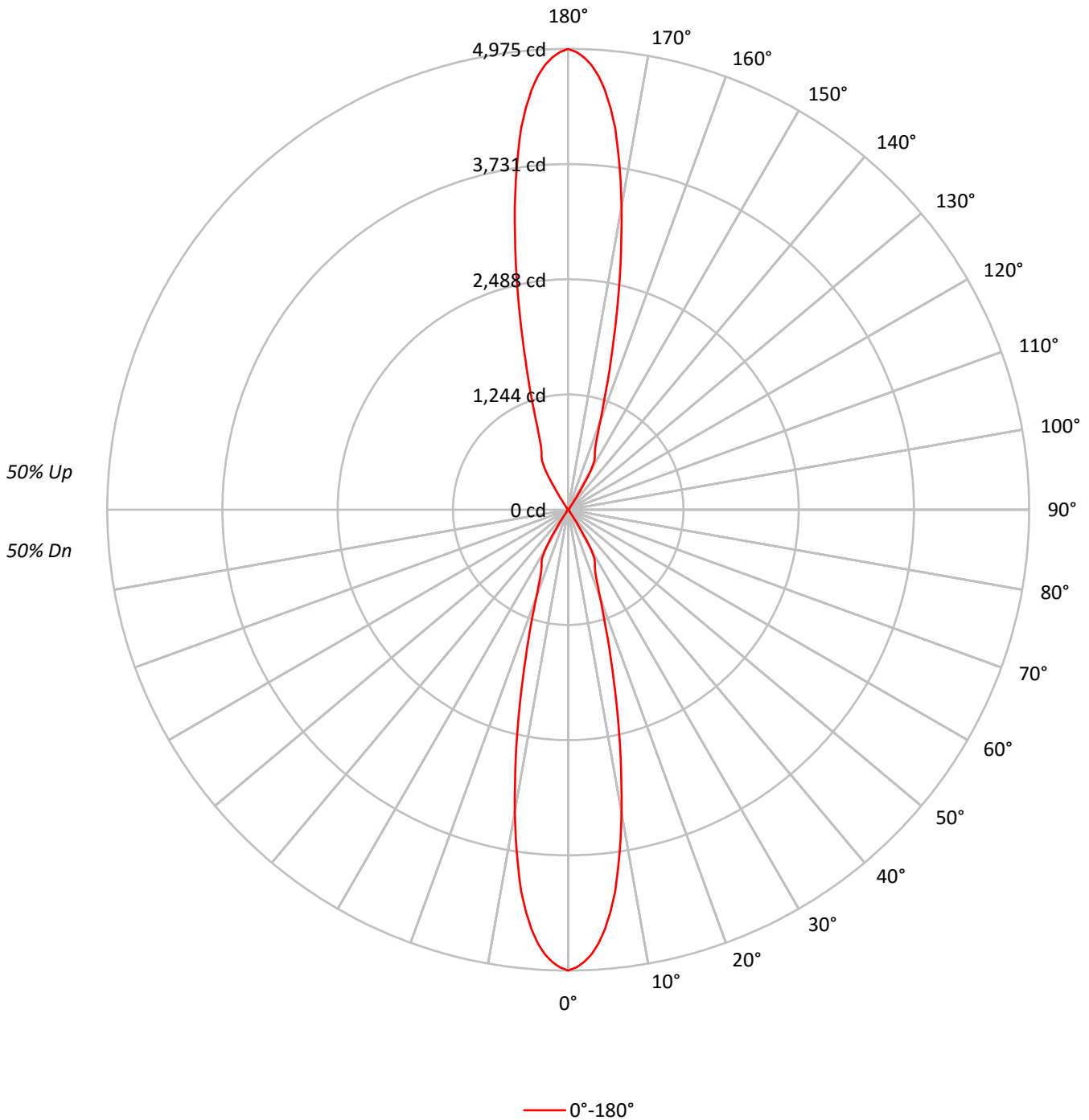
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	74	65	64	63	54	54	53	48
2	95	89	85	81	88	83	80	77	72	70	67	62	60	59	52	51	50	46
3	89	82	77	73	83	77	73	69	68	64	62	59	57	55	50	49	48	44
4	84	76	71	66	79	72	67	63	64	60	57	56	53	51	48	47	46	43
5	80	71	65	61	75	67	62	58	60	56	53	53	51	49	47	45	44	41
6	76	67	61	57	71	63	58	54	57	53	50	51	48	46	45	43	42	40
7	72	63	57	53	68	60	55	51	54	50	47	49	46	44	43	42	40	38
8	68	59	53	50	64	57	51	48	51	48	45	47	44	42	42	40	39	37
9	65	56	51	47	62	54	49	45	49	45	43	45	42	40	41	39	37	36
10	62	53	48	44	59	51	46	43	47	43	41	43	40	38	39	37	36	34

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

	0°
0°	613669
5°	563020
10°	415399
15°	242471
20°	131485
25°	92927
30°	67340
35°	8372
40°	2866
45°	1134
50°	729
55°	581
60°	395
65°	321
70°	180
75°	238
80°	355
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.2	14.8
10°-20°	528.7	19.8
20°-30°	320.8	12.0
30°-40°	82.1	3.1
40°-50°	5.9	0.2
50°-60°	2.4	0.1
60°-70°	1.0	0.0
70°-80°	0.5	0.0
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	0.5	0.0
110°-120°	1.0	0.0
120°-130°	2.4	0.1
130°-140°	5.9	0.2
140°-150°	82.1	3.1
150°-160°	320.8	12.0
160°-170°	528.7	19.8
170°-180°	394.2	14.8
0°-30°	1243.7	46.6
0°-40°	1325.8	49.6
0°-60°	1334.1	49.9
0°-90°	1335.7	50.0
90°-120°	1.6	0.1
90°-150°	92.0	3.4
90°-180°	1336.0	50.0
0°-180°	2671.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4975	
5°	4547	394
15°	1899	529
25°	683	321
35°	56	82
45°	6	6
55°	3	2
65°	1	1
75°	0	1
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	3	2
135°	6	6
145°	56	82
155°	683	321
165°	1899	529
175°	4547	394
180°	4975	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4975.2
1°	4943.4
2°	4886.7
3°	4805.8
4°	4695.1
5°	4547.2
6°	4362.6
7°	4154.8
8°	3889.3
9°	3605.9
10°	3316.6
11°	3012.2
12°	2713.2
13°	2427.2
14°	2152.4
15°	1898.8
16°	1672.1
17°	1467.5
18°	1285.1
19°	1131.3
20°	1001.7
21°	899.7
22°	818.8
23°	758.9
24°	716.2
25°	682.8
26°	655.8
27°	632.6
28°	605.0
29°	554.8
30°	472.8
32.5°	225.1
35°	55.6
37.5°	30.2
40°	17.8
42.5°	8.1
45°	6.5
47.5°	5.4
50°	3.8
52.5°	3.2
55°	2.7
57.5°	2.2
60°	1.6
62.5°	1.6
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
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°	0.5
102.5°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	0.5
115°	1.1
117.5°	1.6
120°	1.6
122.5°	2.2
125°	2.7
127.5°	3.2
130°	3.8
132.5°	5.4
135°	6.5
137.5°	8.1
140°	17.8
142.5°	30.2
145°	55.6
147.5°	225.1
150°	472.8
151°	554.8
152°	605.0
153°	632.6
154°	655.8
155°	682.8
156°	716.2
157°	758.9
158°	818.8
159°	899.7
160°	1001.7
161°	1131.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1285.1
163°	1467.5
164°	1672.1
165°	1898.8
166°	2152.4
167°	2427.2
168°	2713.2
169°	3012.2
170°	3316.6
171°	3605.9
172°	3889.3
173°	4154.8
174°	4362.6
175°	4547.2
176°	4695.1
177°	4805.8
178°	4886.7
179°	4943.4
180°	4975.2

(END OF REPORT)