

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: P221992

Luminaire Tested: **9004-W2-FL-LED2797-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED2797-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH 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: 3050.7 lumens  
Efficiency: N/A  
Efficacy: 75.9 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

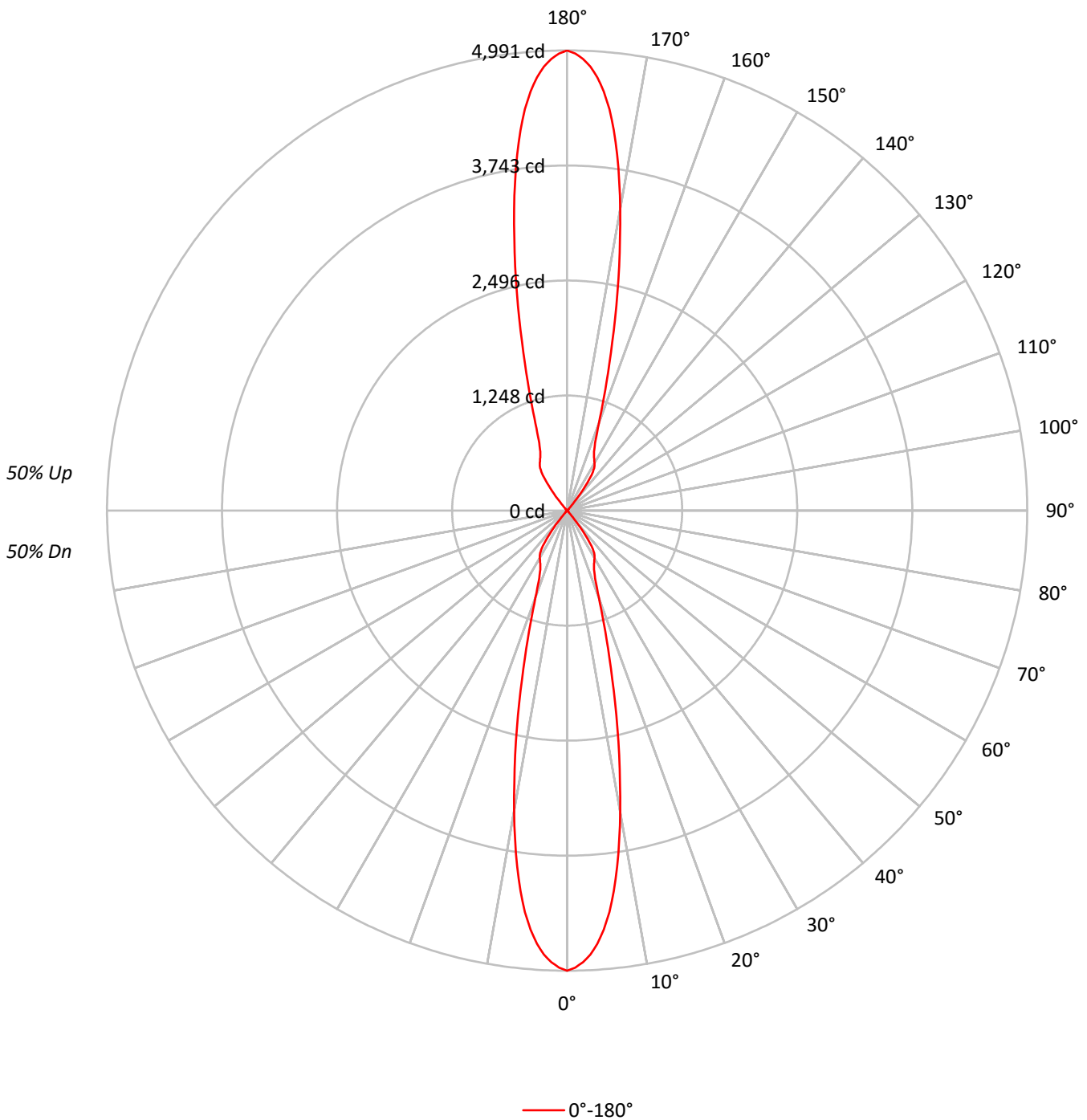
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	94	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	84	81	87	83	79	76	72	69	67		61	59	58		52	51	50	45
3	89	82	76	72	82	76	72	68	67	63	61		58	56	54		49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56		55	52	50		47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52		52	49	47		45	43	42	39
6	74	65	59	55	70	62	56	52	55	51	48		49	46	44		43	41	40	38
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	57	51	47	63	55	49	46	49	45	42		45	42	39		40	38	36	34
9	64	54	48	44	60	52	46	43	47	43	40		43	40	38		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

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

	0°
0°	615606
5°	564889
10°	415061
15°	241641
20°	131774
25°	93662
30°	84402
35°	66480
40°	14781
45°	4047
50°	1343
55°	817
60°	543
65°	321
70°	180
75°	238
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.2	13.0
10°-20°	527.4	17.3
20°-30°	329.9	10.8
30°-40°	244.7	8.0
40°-50°	22.8	0.7
50°-60°	3.7	0.1
60°-70°	1.3	0.0
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.3	0.0
120°-130°	3.7	0.1
130°-140°	22.8	0.7
140°-150°	244.7	8.0
150°-160°	329.9	10.8
160°-170°	527.4	17.3
170°-180°	395.2	13.0
0°-30°	1252.5	41.1
0°-40°	1497.2	49.1
0°-60°	1523.6	49.9
0°-90°	1525.4	50.0
90°-120°	1.7	0.1
90°-150°	272.8	8.9
90°-180°	1525.0	50.0
0°-180°	3050.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4991	
5°	4562	395
15°	1892	527
25°	688	330
35°	442	245
45°	23	23
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	4	4
135°	23	23
145°	442	245
155°	688	330
165°	1892	527
175°	4562	395
180°	4991	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4990.9
1°	4958.0
2°	4901.8
3°	4820.9
4°	4709.7
5°	4562.3
6°	4379.4
7°	4158.6
8°	3901.2
9°	3614.0
10°	3313.9
11°	3006.8
12°	2709.4
13°	2419.6
14°	2144.3
15°	1892.3
16°	1662.9
17°	1462.7
18°	1282.9
19°	1130.7
20°	1003.9
21°	903.5
22°	823.1
23°	763.7
24°	720.0
25°	688.2
26°	664.4
27°	643.9
28°	625.0
29°	608.8
30°	592.6
32.5°	547.8
35°	441.5
37.5°	267.2
40°	91.8
42.5°	31.8
45°	23.2
47.5°	16.7
50°	7.0
52.5°	5.4
55°	3.8
57.5°	2.7
60°	2.2
62.5°	1.6
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
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°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	1.1
115°	1.1
117.5°	1.6
120°	2.2
122.5°	2.7
125°	3.8
127.5°	5.4
130°	7.0
132.5°	16.7
135°	23.2
137.5°	31.8
140°	91.8
142.5°	267.2
145°	441.5
147.5°	547.8
150°	592.6
151°	608.8
152°	625.0
153°	643.9
154°	664.4
155°	688.2
156°	720.0
157°	763.7
158°	823.1
159°	903.5
160°	1003.9
161°	1130.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1282.9
163°	1462.7
164°	1662.9
165°	1892.3
166°	2144.3
167°	2419.6
168°	2709.4
169°	3006.8
170°	3313.9
171°	3614.0
172°	3901.2
173°	4158.6
174°	4379.4
175°	4562.3
176°	4709.7
177°	4820.9
178°	4901.8
179°	4958.0
180°	4990.9

(END OF REPORT)