

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: P222003

Luminaire Tested: **9004-W2-FL-LED2797-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222003  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1631.3 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

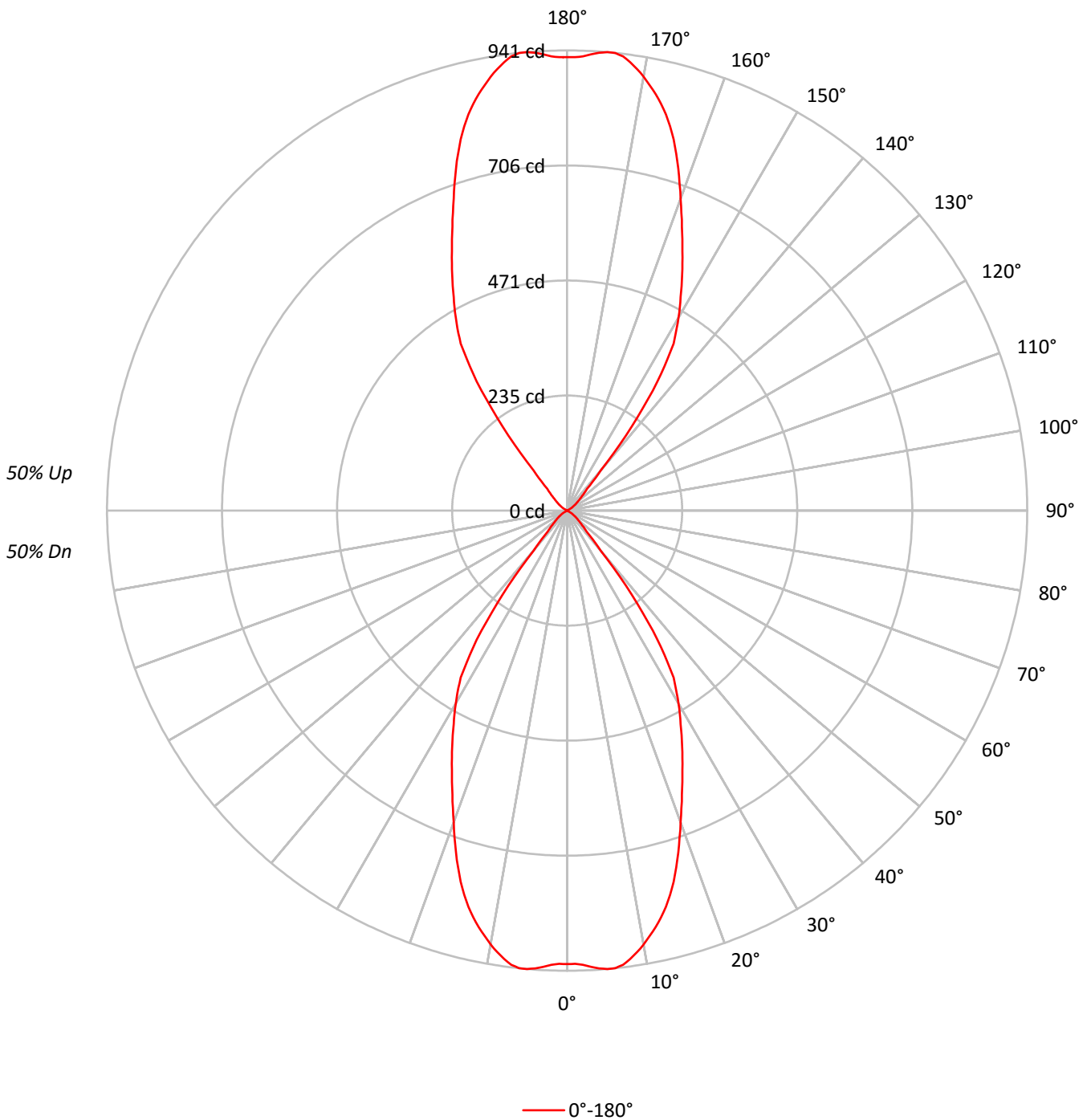
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	92	90	87	85	76	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	81	77	74	70	67	65		60	58	56		50	49	48	43
3	87	80	74	69	81	74	69	65	65	61	58		56	53	51		47	46	44	40
4	81	73	66	61	76	68	63	58	60	56	52		52	49	47		44	42	41	38
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	66	58	52	48	51	47	43		45	42	39		39	37	35	33
7	67	57	50	45	62	54	48	43	48	43	40		42	39	36		37	35	33	31
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	42	38	56	46	41	37	42	37	34		37	34	31		33	31	29	27
10	56	46	39	35	52	43	38	34	39	35	32		35	32	29		31	29	27	25

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

	0°
0°	114403
5°	116536
10°	112836
15°	103920
20°	89061
25°	75942
30°	64947
35°	48546
40°	17229
45°	8059
50°	5335
55°	3591
60°	1801
65°	438
70°	325
75°	286
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.6	5.4
10°-20°	224.6	13.8
20°-30°	256.4	15.7
30°-40°	188.2	11.5
40°-50°	39.9	2.4
50°-60°	15.1	0.9
60°-70°	2.2	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	2.2	0.1
120°-130°	15.1	0.9
130°-140°	39.9	2.4
140°-150°	188.2	11.5
150°-160°	256.4	15.7
160°-170°	224.6	13.8
170°-180°	88.6	5.4
0°-30°	569.6	34.9
0°-40°	757.8	46.5
0°-60°	812.9	49.8
0°-90°	815.6	50.0
90°-120°	2.7	0.2
90°-150°	246.1	15.1
90°-180°	816.0	50.0
0°-180°	1631.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	928	
5°	941	89
15°	814	225
25°	558	256
35°	322	188
45°	46	40
55°	17	15
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	17	15
135°	46	40
145°	322	188
155°	558	256
165°	814	225
175°	941	89
180°	928	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	927.5
1°	927.2
2°	929.6
3°	934.2
4°	938.6
5°	941.2
6°	940.7
7°	935.7
8°	926.0
9°	914.1
10°	900.9
11°	886.0
12°	870.8
13°	853.6
14°	834.8
15°	813.8
16°	789.8
17°	763.2
18°	735.8
19°	706.8
20°	678.5
21°	652.2
22°	626.7
23°	602.7
24°	579.9
25°	558.0
26°	536.7
27°	515.1
28°	494.3
29°	475.0
30°	456.0
32.5°	404.9
35°	322.4
37.5°	217.8
40°	107.0
42.5°	60.2
45°	46.2
47.5°	36.2
50°	27.8
52.5°	21.9
55°	16.7
57.5°	12.0
60°	7.3
62.5°	2.0
65°	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.2
70°	0.9
72.5°	0.9
75°	0.6
77.5°	0.3
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°	0.3
105°	0.6
107.5°	0.9
110°	0.9
112.5°	1.2
115°	1.5
117.5°	2.0
120°	7.3
122.5°	12.0
125°	16.7
127.5°	21.9
130°	27.8
132.5°	36.2
135°	46.2
137.5°	60.2
140°	107.0
142.5°	217.8
145°	322.4
147.5°	404.9
150°	456.0
151°	475.0
152°	494.3
153°	515.1
154°	536.7
155°	558.0
156°	579.9
157°	602.7
158°	626.7
159°	652.2
160°	678.5
161°	706.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	735.8
163°	763.2
164°	789.8
165°	813.8
166°	834.8
167°	853.6
168°	870.8
169°	886.0
170°	900.9
171°	914.1
172°	926.0
173°	935.7
174°	940.7
175°	941.2
176°	938.6
177°	934.2
178°	929.6
179°	927.2
180°	927.5

(END OF REPORT)