

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: P221972

Luminaire Tested: **9004-W2-FL-LED2790-M-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221972  
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-LED2790-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH 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: 4264.5 lumens  
Efficiency: N/A  
Efficacy: 74.6 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

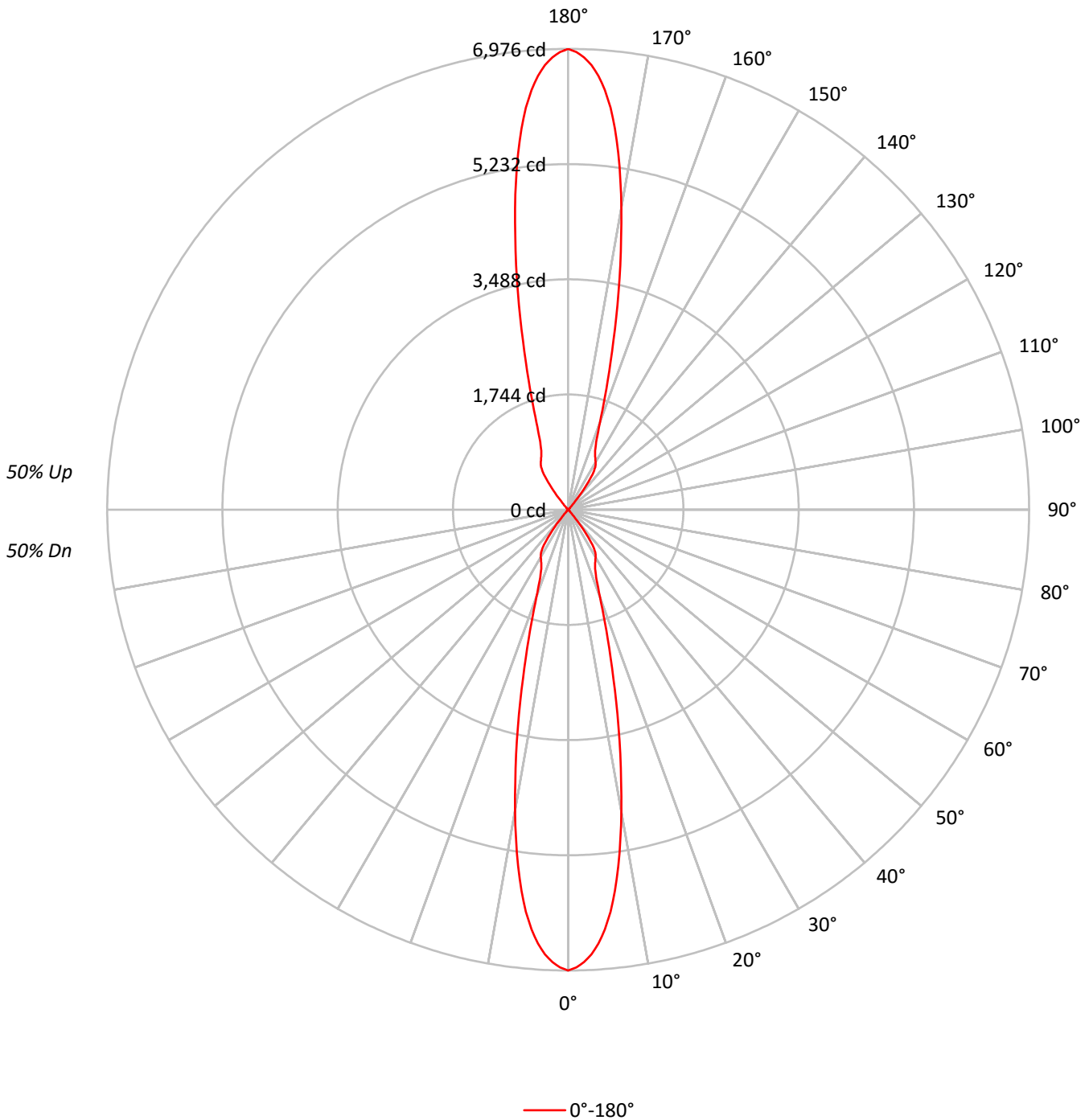
Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	860496
5°	789617
10°	580176
15°	337771
20°	184200
25°	130912
30°	117987
35°	92921
40°	20658
45°	5652
50°	1881
55°	1140
60°	740
65°	438
70°	289
75°	381
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.4	13.0
10°-20°	737.3	17.3
20°-30°	461.1	10.8
30°-40°	342.0	8.0
40°-50°	31.9	0.7
50°-60°	5.1	0.1
60°-70°	1.8	0.0
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	1.8	0.0
120°-130°	5.1	0.1
130°-140°	31.9	0.7
140°-150°	342.0	8.0
150°-160°	461.1	10.8
160°-170°	737.3	17.3
170°-180°	552.4	13.0
0°-30°	1750.8	41.1
0°-40°	2092.8	49.1
0°-60°	2129.7	49.9
0°-90°	2132.2	50.0
90°-120°	2.5	0.1
90°-150°	381.5	8.9
90°-180°	2132.0	50.0
0°-180°	4264.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6976	
5°	6377	552
15°	2645	737
25°	962	461
35°	617	342
45°	32	32
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	5	5
135°	32	32
145°	617	342
155°	962	461
165°	2645	737
175°	6377	552
180°	6976	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6976.3
1°	6930.3
2°	6851.8
3°	6738.6
4°	6583.2
5°	6377.3
6°	6121.5
7°	5812.9
8°	5453.1
9°	5051.7
10°	4632.2
11°	4203.0
12°	3787.3
13°	3382.1
14°	2997.4
15°	2645.1
16°	2324.4
17°	2044.5
18°	1793.3
19°	1580.5
20°	1403.3
21°	1262.9
22°	1150.5
23°	1067.5
24°	1006.4
25°	961.9
26°	928.7
27°	900.0
28°	873.6
29°	851.0
30°	828.4
32.5°	765.8
35°	617.1
37.5°	373.4
40°	128.3
42.5°	44.5
45°	32.4
47.5°	23.4
50°	9.8
52.5°	7.5
55°	5.3
57.5°	3.8
60°	3.0
62.5°	2.3
65°	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.5
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	1.5
115°	1.5
117.5°	2.3
120°	3.0
122.5°	3.8
125°	5.3
127.5°	7.5
130°	9.8
132.5°	23.4
135°	32.4
137.5°	44.5
140°	128.3
142.5°	373.4
145°	617.1
147.5°	765.8
150°	828.4
151°	851.0
152°	873.6
153°	900.0
154°	928.7
155°	961.9
156°	1006.4
157°	1067.5
158°	1150.5
159°	1262.9
160°	1403.3
161°	1580.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1793.3
163°	2044.5
164°	2324.4
165°	2645.1
166°	2997.4
167°	3382.1
168°	3787.3
169°	4203.0
170°	4632.2
171°	5051.7
172°	5453.1
173°	5812.9
174°	6121.5
175°	6377.3
176°	6583.2
177°	6738.6
178°	6851.8
179°	6930.3
180°	6976.3

(END OF REPORT)