

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: P222158

Luminaire Tested: **9004-W2-FL-LED5080-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED5080-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5765.4 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

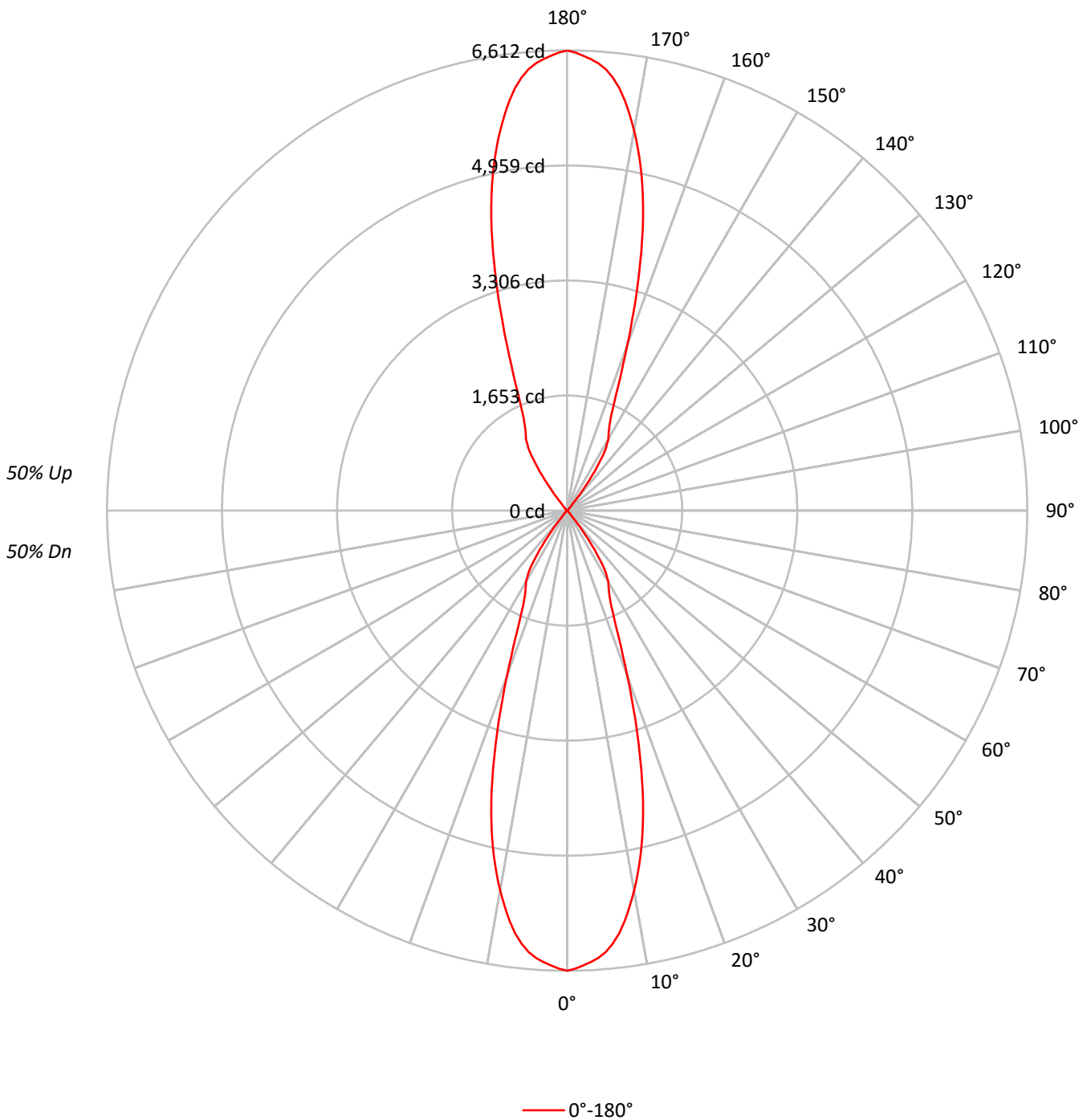
Input Watts (W): 56.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	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°	815586
5°	788081
10°	694415
15°	536199
20°	332853
25°	203029
30°	168378
35°	102769
40°	17390
45°	6350
50°	1401
55°	667
60°	518
65°	613
70°	361
75°	477
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	581.4	10.1
10°-20°	1124.4	19.5
20°-30°	732.2	12.7
30°-40°	406.7	7.1
40°-50°	31.8	0.6
50°-60°	3.4	0.1
60°-70°	1.9	0.0
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	1.9	0.0
120°-130°	3.4	0.1
130°-140°	31.8	0.6
140°-150°	406.7	7.1
150°-160°	732.2	12.7
160°-170°	1124.4	19.5
170°-180°	581.4	10.1
0°-30°	2438.0	42.3
0°-40°	2844.7	49.3
0°-60°	2879.8	50.0
0°-90°	2882.7	50.0
90°-120°	2.9	0.0
90°-150°	444.7	7.7
90°-180°	2883.0	50.0
0°-180°	5765.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6612	
5°	6365	581
15°	4199	1124
25°	1492	732
35°	682	407
45°	36	32
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	36	32
145°	682	407
155°	1492	732
165°	4199	1124
175°	6365	581
180°	6612	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6612.2
1°	6583.1
2°	6540.5
3°	6495.8
4°	6442.9
5°	6364.9
6°	6260.0
7°	6121.9
8°	5950.4
9°	5754.1
10°	5544.3
11°	5315.7
12°	5067.4
13°	4801.5
14°	4508.5
15°	4199.0
16°	3862.4
17°	3511.3
18°	3178.8
19°	2844.3
20°	2535.8
21°	2244.9
22°	1992.5
23°	1781.6
24°	1617.5
25°	1491.8
26°	1400.3
27°	1327.6
28°	1270.5
29°	1224.8
30°	1182.2
32.5°	1002.5
35°	682.5
37.5°	350.1
40°	108.0
42.5°	51.9
45°	36.4
47.5°	22.9
50°	7.3
52.5°	4.2
55°	3.1
57.5°	3.1
60°	2.1
62.5°	2.1
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.1
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
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°	1.0
105°	1.0
107.5°	1.0
110°	1.0
112.5°	2.1
115°	2.1
117.5°	2.1
120°	2.1
122.5°	3.1
125°	3.1
127.5°	4.2
130°	7.3
132.5°	22.9
135°	36.4
137.5°	51.9
140°	108.0
142.5°	350.1
145°	682.5
147.5°	1002.5
150°	1182.2
151°	1224.8
152°	1270.5
153°	1327.6
154°	1400.3
155°	1491.8
156°	1617.5
157°	1781.6
158°	1992.5
159°	2244.9
160°	2535.8
161°	2844.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	3178.8
163°	3511.3
164°	3862.4
165°	4199.0
166°	4508.5
167°	4801.5
168°	5067.4
169°	5315.7
170°	5544.3
171°	5754.1
172°	5950.4
173°	6121.9
174°	6260.0
175°	6364.9
176°	6442.9
177°	6495.8
178°	6540.5
179°	6583.1
180°	6612.2

(END OF REPORT)