

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: P222062

Luminaire Tested: **9004-W2-FL-LED3590-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222062  
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-LED3590-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4486.1 lumens  
Efficiency: N/A  
Efficacy: 79.5 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

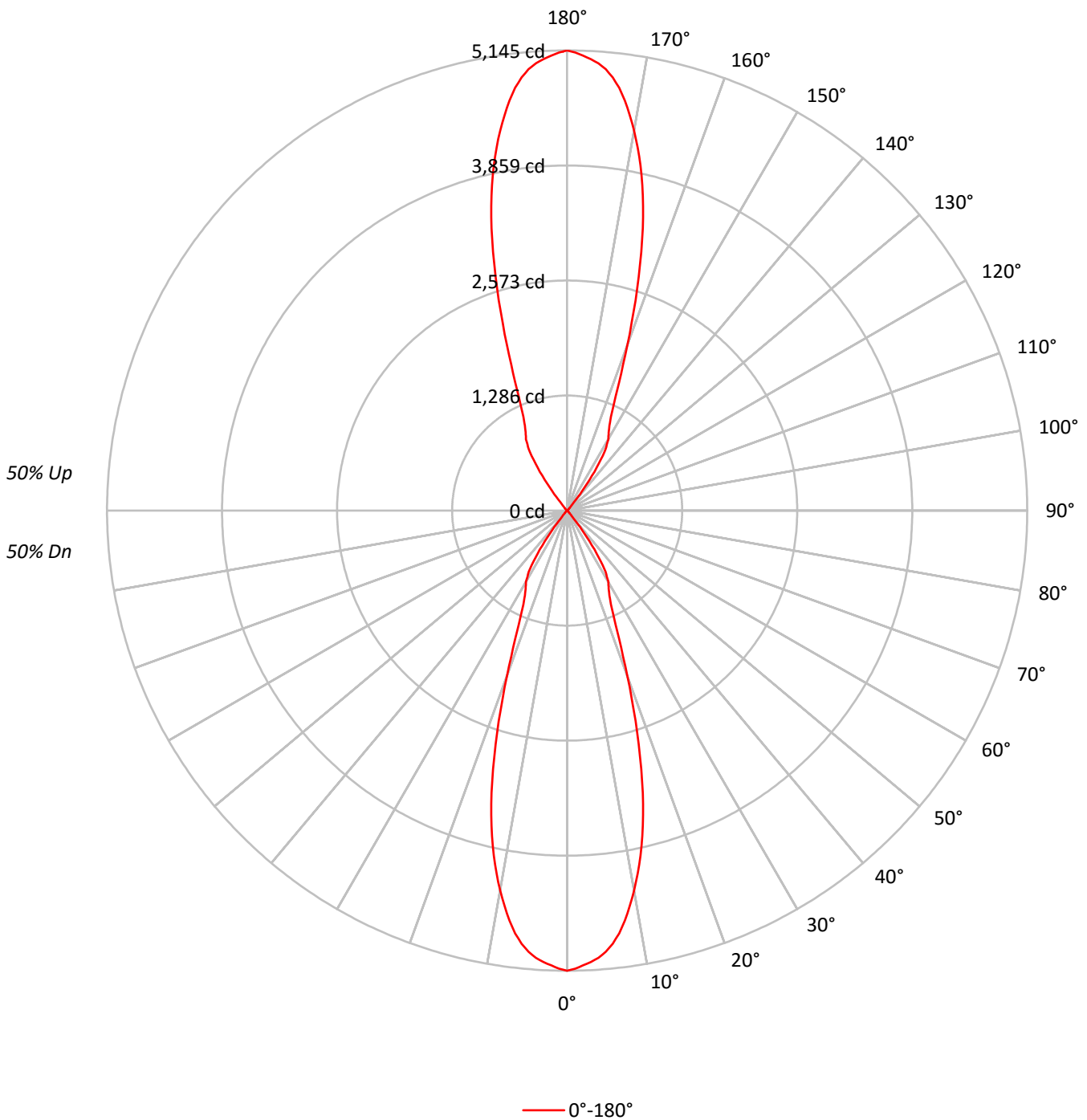
Input Watts (W): 56.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	634613
5°	613215
10°	540334
15°	417224
20°	258992
25°	157981
30°	131019
35°	79972
40°	13541
45°	4937
50°	1094
55°	516
60°	395
65°	467
70°	289
75°	381
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.4	10.1
10°-20°	874.9	19.5
20°-30°	569.7	12.7
30°-40°	316.4	7.1
40°-50°	24.7	0.6
50°-60°	2.6	0.1
60°-70°	1.5	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°	1.5	0.0
120°-130°	2.6	0.1
130°-140°	24.7	0.6
140°-150°	316.4	7.1
150°-160°	569.7	12.7
160°-170°	874.9	19.5
170°-180°	452.4	10.1
0°-30°	1897.1	42.3
0°-40°	2213.5	49.3
0°-60°	2240.8	50.0
0°-90°	2243.0	50.0
90°-120°	2.2	0.0
90°-150°	346.0	7.7
90°-180°	2243.0	50.0
0°-180°	4486.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5145	
5°	4953	452
15°	3267	875
25°	1161	570
35°	531	316
45°	28	25
55°	2	3
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	2	3
135°	28	25
145°	531	316
155°	1161	570
165°	3267	875
175°	4953	452
180°	5145	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5145.0
1°	5122.4
2°	5089.2
3°	5054.5
4°	5013.3
5°	4952.6
6°	4871.0
7°	4763.5
8°	4630.1
9°	4477.3
10°	4314.1
11°	4136.2
12°	3943.0
13°	3736.1
14°	3508.1
15°	3267.3
16°	3005.4
17°	2732.2
18°	2473.5
19°	2213.2
20°	1973.1
21°	1746.8
22°	1550.4
23°	1386.3
24°	1258.6
25°	1160.8
26°	1089.6
27°	1033.0
28°	988.6
29°	953.0
30°	919.9
32.5°	780.0
35°	531.1
37.5°	272.4
40°	84.1
42.5°	40.4
45°	28.3
47.5°	17.8
50°	5.7
52.5°	3.2
55°	2.4
57.5°	2.4
60°	1.6
62.5°	1.6
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
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°	1.6
115°	1.6
117.5°	1.6
120°	1.6
122.5°	2.4
125°	2.4
127.5°	3.2
130°	5.7
132.5°	17.8
135°	28.3
137.5°	40.4
140°	84.1
142.5°	272.4
145°	531.1
147.5°	780.0
150°	919.9
151°	953.0
152°	988.6
153°	1033.0
154°	1089.6
155°	1160.8
156°	1258.6
157°	1386.3
158°	1550.4
159°	1746.8
160°	1973.1
161°	2213.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2473.5
163°	2732.2
164°	3005.4
165°	3267.3
166°	3508.1
167°	3736.1
168°	3943.0
169°	4136.2
170°	4314.1
171°	4477.3
172°	4630.1
173°	4763.5
174°	4871.0
175°	4952.6
176°	5013.3
177°	5054.5
178°	5089.2
179°	5122.4
180°	5145.0

(END OF REPORT)