

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: P222159

Luminaire Tested: **9004-W2-FL-LED5080-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222159  
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-LED5080-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2454.6 lumens  
Efficiency: N/A  
Efficacy: 124.6 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

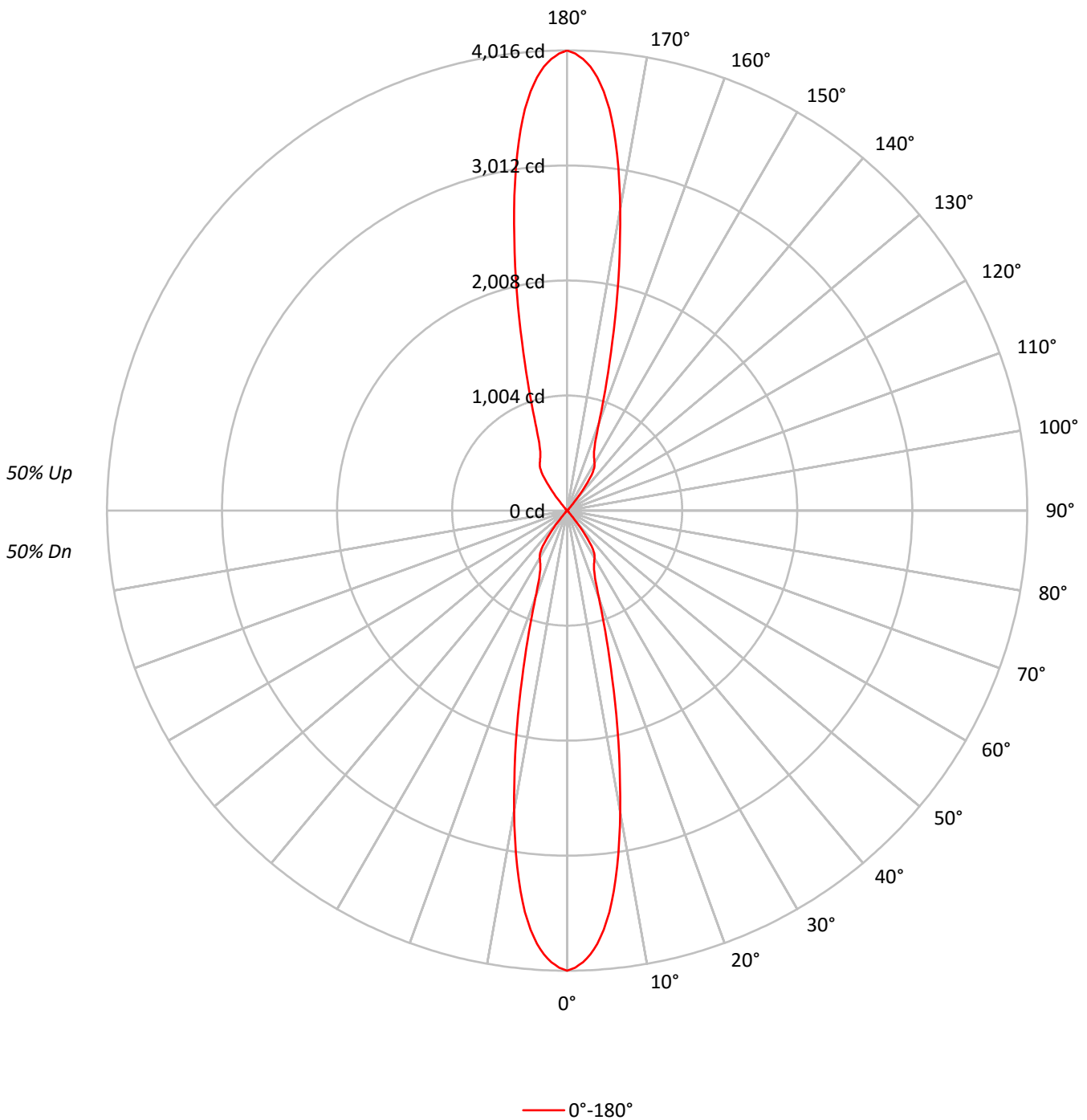
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	495319
5°	454519
10°	333962
15°	194431
20°	106020
25°	75357
30°	67909
35°	53485
40°	11883
45°	3262
50°	1075
55°	645
60°	419
65°	263
70°	144
75°	191
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.0	13.0
10°-20°	424.4	17.3
20°-30°	265.4	10.8
30°-40°	196.9	8.0
40°-50°	18.3	0.7
50°-60°	2.9	0.1
60°-70°	1.0	0.0
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.0	0.0
120°-130°	2.9	0.1
130°-140°	18.3	0.7
140°-150°	196.9	8.0
150°-160°	265.4	10.8
160°-170°	424.4	17.3
170°-180°	318.0	13.0
0°-30°	1007.8	41.1
0°-40°	1204.7	49.1
0°-60°	1225.9	49.9
0°-90°	1227.3	50.0
90°-120°	1.4	0.1
90°-150°	219.5	8.9
90°-180°	1227.0	50.0
0°-180°	2454.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4016	
5°	3671	318
15°	1523	424
25°	554	265
35°	355	197
45°	19	18
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	19	18
145°	355	197
155°	554	265
165°	1523	424
175°	3671	318
180°	4016	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4015.7
1°	3989.2
2°	3944.1
3°	3878.9
4°	3789.5
5°	3670.9
6°	3523.7
7°	3346.1
8°	3138.9
9°	2907.9
10°	2666.4
11°	2419.3
12°	2180.1
13°	1946.8
14°	1725.4
15°	1522.6
16°	1338.0
17°	1176.9
18°	1032.3
19°	909.8
20°	807.7
21°	727.0
22°	662.3
23°	614.5
24°	579.3
25°	553.7
26°	534.6
27°	518.1
28°	502.9
29°	489.9
30°	476.8
32.5°	440.8
35°	355.2
37.5°	215.0
40°	73.8
42.5°	25.6
45°	18.7
47.5°	13.5
50°	5.6
52.5°	4.3
55°	3.0
57.5°	2.2
60°	1.7
62.5°	1.3
65°	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
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°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	0.9
115°	0.9
117.5°	1.3
120°	1.7
122.5°	2.2
125°	3.0
127.5°	4.3
130°	5.6
132.5°	13.5
135°	18.7
137.5°	25.6
140°	73.8
142.5°	215.0
145°	355.2
147.5°	440.8
150°	476.8
151°	489.9
152°	502.9
153°	518.1
154°	534.6
155°	553.7
156°	579.3
157°	614.5
158°	662.3
159°	727.0
160°	807.7
161°	909.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1032.3
163°	1176.9
164°	1338.0
165°	1522.6
166°	1725.4
167°	1946.8
168°	2180.1
169°	2419.3
170°	2666.4
171°	2907.9
172°	3138.9
173°	3346.1
174°	3523.7
175°	3670.9
176°	3789.5
177°	3878.9
178°	3944.1
179°	3989.2
180°	4015.7

(END OF REPORT)