

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: P222035

Luminaire Tested: **9004-W2-FL-LED3097-F-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED3097-F-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

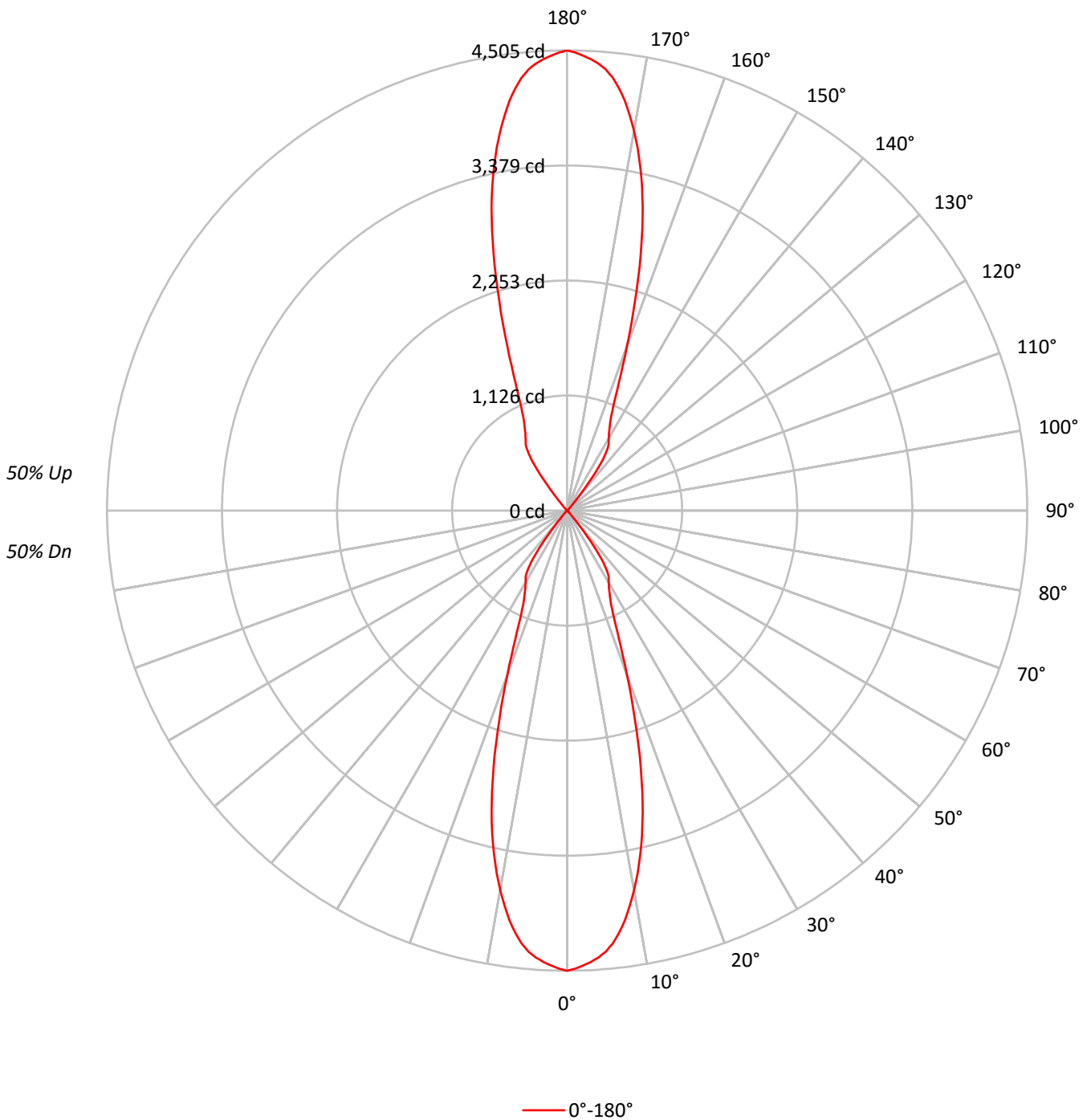
Lumens per Lamp: N/A  
Luminaire Lumens: 4052.6 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 57  
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	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		45	43	41	38
6	74	64	58	54	69	61	55	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	44	48	44	41		44	41	38		39	37	35	33
9	63	53	47	43	59	50	45	42	46	42	39		41	38	36		37	35	34	32
10	60	50	44	40	56	48	43	39	44	39	37		40	37	34		36	34	32	30

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

	0°
0°	555721
5°	536696
10°	472525
15°	362965
20°	224484
25°	139105
30°	115907
35°	92786
40°	20224
45°	4309
50°	806
55°	452
60°	345
65°	204
70°	252
75°	334
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.9	9.8
10°-20°	762.2	18.8
20°-30°	500.6	12.4
30°-40°	337.5	8.3
40°-50°	26.6	0.7
50°-60°	1.9	0.0
60°-70°	0.9	0.0
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°	0.9	0.0
120°-130°	1.9	0.0
130°-140°	26.6	0.7
140°-150°	337.5	8.3
150°-160°	500.6	12.4
160°-170°	762.2	18.8
170°-180°	395.9	9.8
0°-30°	1658.7	40.9
0°-40°	1996.2	49.3
0°-60°	2024.7	50.0
0°-90°	2026.3	50.0
90°-120°	1.6	0.0
90°-150°	367.6	9.1
90°-180°	2026.0	50.0
0°-180°	4052.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4505	
5°	4335	396
15°	2842	762
25°	1022	501
35°	616	338
45°	25	27
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	25	27
145°	616	338
155°	1022	501
165°	2842	762
175°	4335	396
180°	4505	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4505.4
1°	4485.6
2°	4456.7
3°	4424.9
4°	4387.5
5°	4334.6
6°	4261.9
7°	4167.3
8°	4050.8
9°	3916.0
10°	3772.7
11°	3615.3
12°	3443.8
13°	3256.7
14°	3057.7
15°	2842.4
16°	2615.8
17°	2381.5
18°	2147.2
19°	1926.9
20°	1710.2
21°	1522.5
22°	1353.8
23°	1214.0
24°	1106.0
25°	1022.1
26°	961.4
27°	914.8
28°	875.2
29°	842.8
30°	813.8
32.5°	753.1
35°	616.2
37.5°	366.3
40°	125.6
42.5°	37.4
45°	24.7
47.5°	15.5
50°	4.2
52.5°	2.1
55°	2.1
57.5°	1.4
60°	1.4
62.5°	1.4
65°	0.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
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°	0.7
105°	0.7
107.5°	0.7
110°	0.7
112.5°	0.7
115°	0.7
117.5°	1.4
120°	1.4
122.5°	1.4
125°	2.1
127.5°	2.1
130°	4.2
132.5°	15.5
135°	24.7
137.5°	37.4
140°	125.6
142.5°	366.3
145°	616.2
147.5°	753.1
150°	813.8
151°	842.8
152°	875.2
153°	914.8
154°	961.4
155°	1022.1
156°	1106.0
157°	1214.0
158°	1353.8
159°	1522.5
160°	1710.2
161°	1926.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2147.2
163°	2381.5
164°	2615.8
165°	2842.4
166°	3057.7
167°	3256.7
168°	3443.8
169°	3615.3
170°	3772.7
171°	3916.0
172°	4050.8
173°	4167.3
174°	4261.9
175°	4334.6
176°	4387.5
177°	4424.9
178°	4456.7
179°	4485.6
180°	4505.4

(END OF REPORT)