

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: P221789

Luminaire Tested: **9004-W2-[RW, RI]-LED3090-W-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29494)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-[RW, RI]-LED3090-W-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3809.9 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

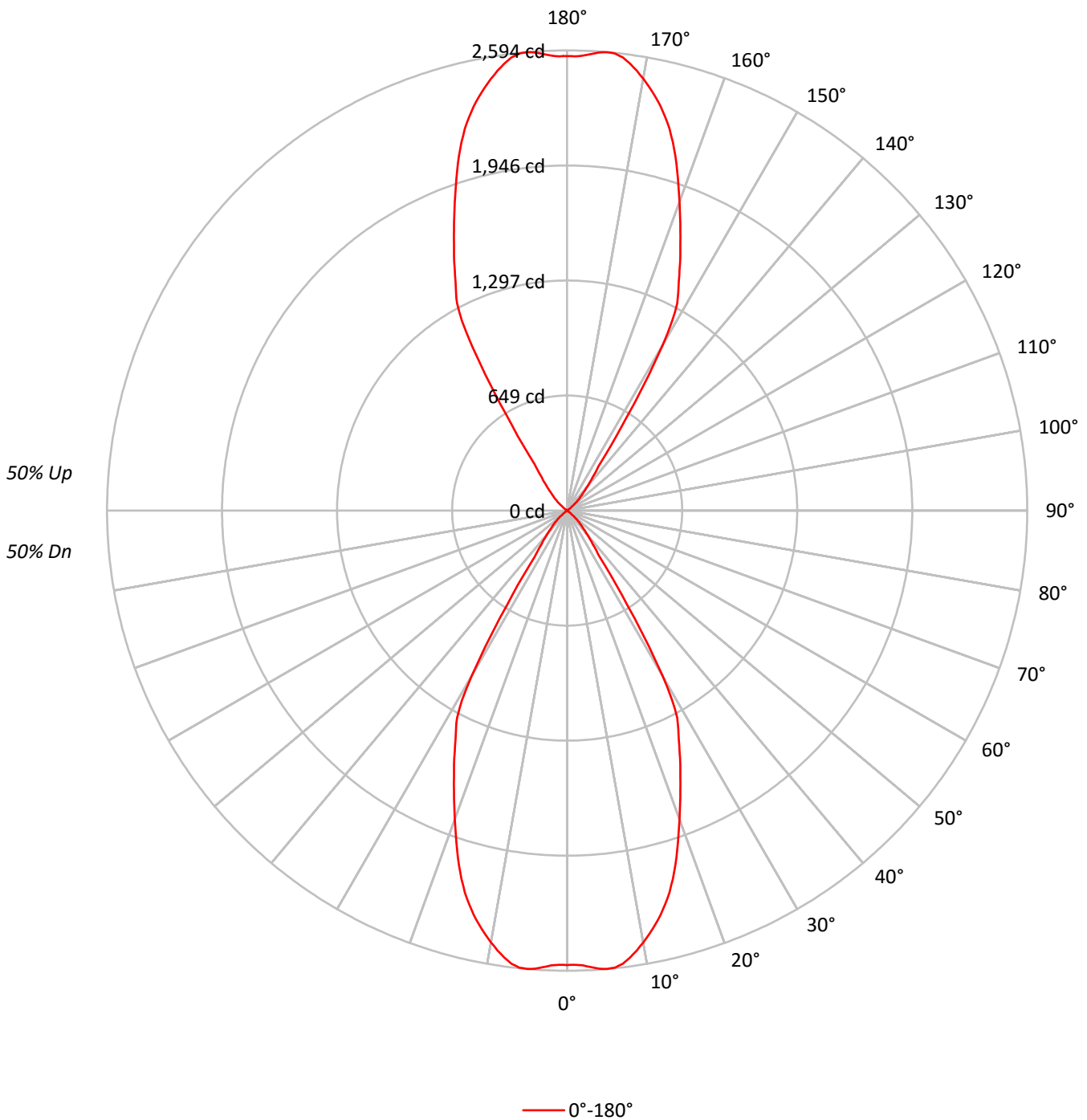
Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	93	90	87	85	77	75	74		65	64	63		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	59	57		51	50	49	44
3	88	80	75	70	81	75	70	67	65	62	59		56	54	52		48	47	45	42
4	82	74	68	63	76	69	64	60	61	57	54		53	50	48		46	44	42	39
5	77	68	62	57	72	64	58	54	57	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	50	53	49	45		47	44	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		41	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	36	41	37	34		37	34	32		33	31	29	28

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

	0°
0°	315987
5°	321144
10°	309564
15°	284534
20°	242926
25°	204091
30°	152767
35°	47944
40°	28403
45°	17269
50°	7196
55°	1204
60°	789
65°	467
70°	289
75°	381
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.7	6.4
10°-20°	614.6	16.1
20°-30°	684.5	18.0
30°-40°	273.1	7.2
40°-50°	78.1	2.0
50°-60°	8.7	0.2
60°-70°	1.7	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°	1.7	0.0
120°-130°	8.7	0.2
130°-140°	78.1	2.0
140°-150°	273.1	7.2
150°-160°	684.5	18.0
160°-170°	614.6	16.1
170°-180°	243.7	6.4
0°-30°	1542.7	40.5
0°-40°	1815.8	47.7
0°-60°	1902.6	49.9
0°-90°	1905.0	50.0
90°-120°	2.4	0.1
90°-150°	362.2	9.5
90°-180°	1905.0	50.0
0°-180°	3809.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2562	
5°	2594	244
15°	2228	615
25°	1500	684
35°	318	273
45°	99	78
55°	6	9
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	9
135°	99	78
145°	318	273
155°	1500	684
165°	2228	615
175°	2594	244
180°	2562	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2561.8
1°	2561.0
2°	2565.8
3°	2577.7
4°	2588.9
5°	2593.7
6°	2590.5
7°	2573.8
8°	2545.0
9°	2509.9
10°	2471.6
11°	2430.1
12°	2387.0
13°	2339.1
14°	2286.5
15°	2228.2
16°	2160.4
17°	2087.7
18°	2008.7
19°	1928.1
20°	1850.7
21°	1775.7
22°	1703.9
23°	1633.6
24°	1567.4
25°	1499.6
26°	1435.7
27°	1380.7
28°	1323.2
29°	1221.8
30°	1072.6
32.5°	627.3
35°	318.4
37.5°	235.4
40°	176.4
42.5°	130.9
45°	99.0
47.5°	73.4
50°	37.5
52.5°	9.6
55°	5.6
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
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°	0.8
115°	1.6
117.5°	2.4
120°	3.2
122.5°	4.0
125°	5.6
127.5°	9.6
130°	37.5
132.5°	73.4
135°	99.0
137.5°	130.9
140°	176.4
142.5°	235.4
145°	318.4
147.5°	627.3
150°	1072.6
151°	1221.8
152°	1323.2
153°	1380.7
154°	1435.7
155°	1499.6
156°	1567.4
157°	1633.6
158°	1703.9
159°	1775.7
160°	1850.7
161°	1928.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2008.7
163°	2087.7
164°	2160.4
165°	2228.2
166°	2286.5
167°	2339.1
168°	2387.0
169°	2430.1
170°	2471.6
171°	2509.9
172°	2545.0
173°	2573.8
174°	2590.5
175°	2593.7
176°	2588.9
177°	2577.7
178°	2565.8
179°	2561.0
180°	2561.8

(END OF REPORT)