

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: P221798

Luminaire Tested: **9004-W2-[RW, RI]-LED3097-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)  
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]-LED3097-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3810.0 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

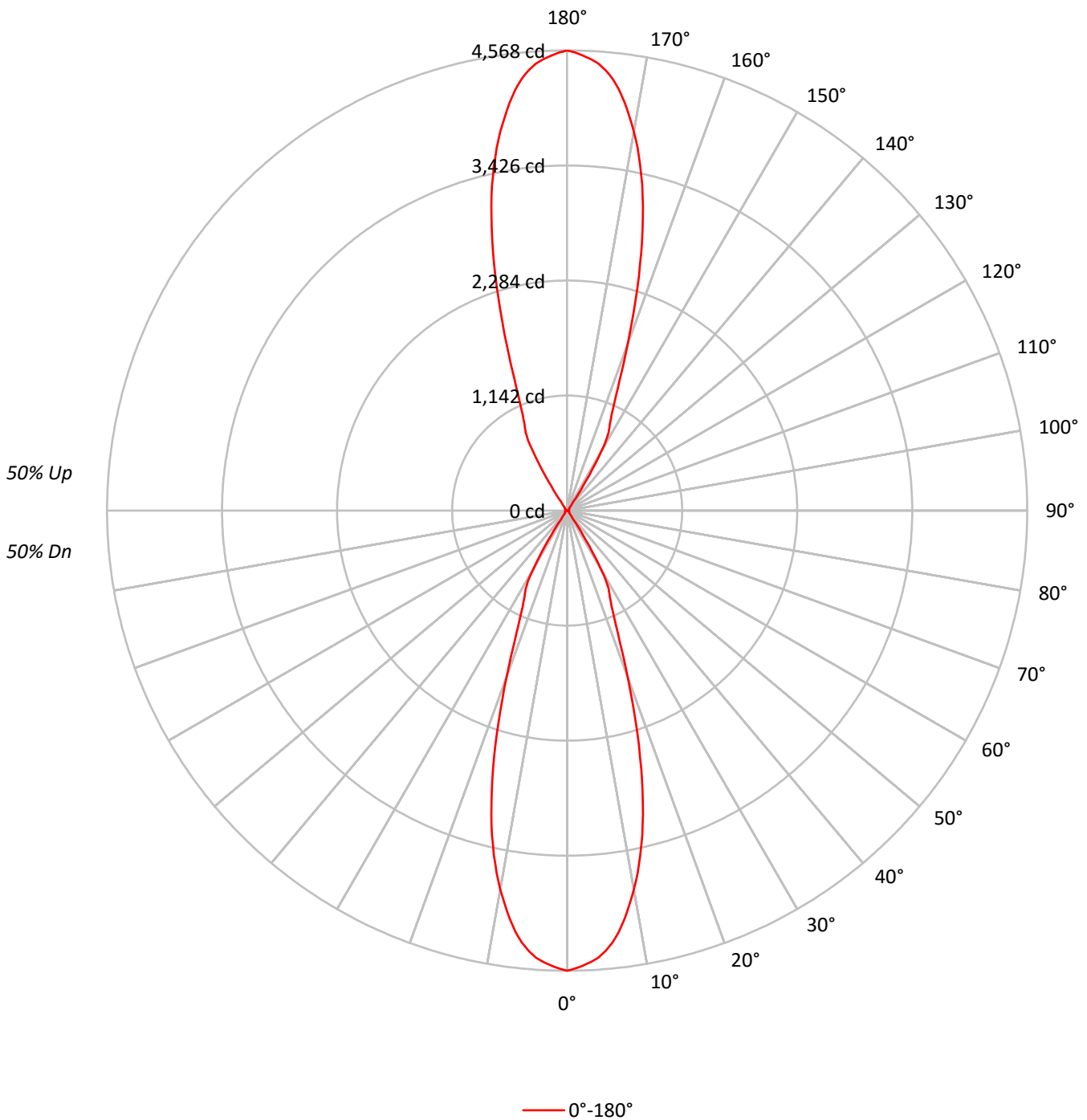
Input Watts (W): 57  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	74	65	64	63	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	48	49	46	43	43	41	39	37
7	70	60	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	54	48	44	60	51	46	42	46	42	40	42	39	37	38	36	34	33
10	60	51	45	41	57	48	43	40	44	40	38	40	37	35	37	34	33	31

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

	0°
0°	563381
5°	543246
10°	478361
15°	369363
20°	230601
25°	141976
30°	97321
35°	15299
40°	6940
45°	4675
50°	4874
55°	5312
60°	5921
65°	6596
70°	7646
75°	9436
80°	11010
85°	11039



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.5	10.5
10°-20°	776.7	20.4
20°-30°	503.0	13.2
30°-40°	129.4	3.4
40°-50°	22.1	0.6
50°-60°	22.3	0.6
60°-70°	22.4	0.6
70°-80°	20.1	0.5
80°-90°	8.4	0.2
90°-100°	8.4	0.2
100°-110°	20.1	0.5
110°-120°	22.4	0.6
120°-130°	22.3	0.6
130°-140°	22.1	0.6
140°-150°	129.4	3.4
150°-160°	503.0	13.2
160°-170°	776.7	20.4
170°-180°	400.5	10.5
0°-30°	1680.2	44.1
0°-40°	1809.6	47.5
0°-60°	1854.0	48.7
0°-90°	1905.0	50.0
90°-120°	51.0	1.3
90°-150°	224.8	5.9
90°-180°	1905.0	50.0
0°-180°	3810.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4568	
5°	4388	401
15°	2892	777
25°	1043	503
35°	102	129
45°	27	22
55°	25	22
65°	23	22
75°	20	20
85°	8	8
90°	0	1
95°	8	8
105°	20	20
115°	23	22
125°	25	22
135°	27	22
145°	102	129
155°	1043	503
165°	2892	777
175°	4388	401
180°	4568	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4567.5
1°	4547.0
2°	4520.2
3°	4488.4
4°	4447.5
5°	4387.5
6°	4311.3
7°	4211.7
8°	4092.5
9°	3959.8
10°	3819.3
11°	3665.4
12°	3496.0
13°	3312.5
14°	3111.3
15°	2892.5
16°	2666.7
17°	2434.4
18°	2201.5
19°	1972.1
20°	1756.8
21°	1559.9
22°	1388.4
23°	1243.7
24°	1130.0
25°	1043.2
26°	974.8
27°	921.8
28°	877.4
29°	799.7
30°	683.3
32.5°	341.6
35°	101.6
37.5°	64.9
40°	43.1
42.5°	27.5
45°	26.8
47.5°	26.1
50°	25.4
52.5°	25.4
55°	24.7
57.5°	24.7
60°	24.0
62.5°	23.3
65°	22.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.9
70°	21.2
72.5°	20.5
75°	19.8
77.5°	17.6
80°	15.5
82.5°	12.0
85°	7.8
87.5°	3.5
90°	0.0
92.5°	3.5
95°	7.8
97.5°	12.0
100°	15.5
102.5°	17.6
105°	19.8
107.5°	20.5
110°	21.2
112.5°	21.9
115°	22.6
117.5°	23.3
120°	24.0
122.5°	24.7
125°	24.7
127.5°	25.4
130°	25.4
132.5°	26.1
135°	26.8
137.5°	27.5
140°	43.1
142.5°	64.9
145°	101.6
147.5°	341.6
150°	683.3
151°	799.7
152°	877.4
153°	921.8
154°	974.8
155°	1043.2
156°	1130.0
157°	1243.7
158°	1388.4
159°	1559.9
160°	1756.8
161°	1972.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2201.5
163°	2434.4
164°	2666.7
165°	2892.5
166°	3111.3
167°	3312.5
168°	3496.0
169°	3665.4
170°	3819.3
171°	3959.8
172°	4092.5
173°	4211.7
174°	4311.3
175°	4387.5
176°	4447.5
177°	4488.4
178°	4520.2
179°	4547.0
180°	4567.5

(END OF REPORT)