

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: P220810

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-W-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-[RW, RI]-LED3097-W-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1833.6 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

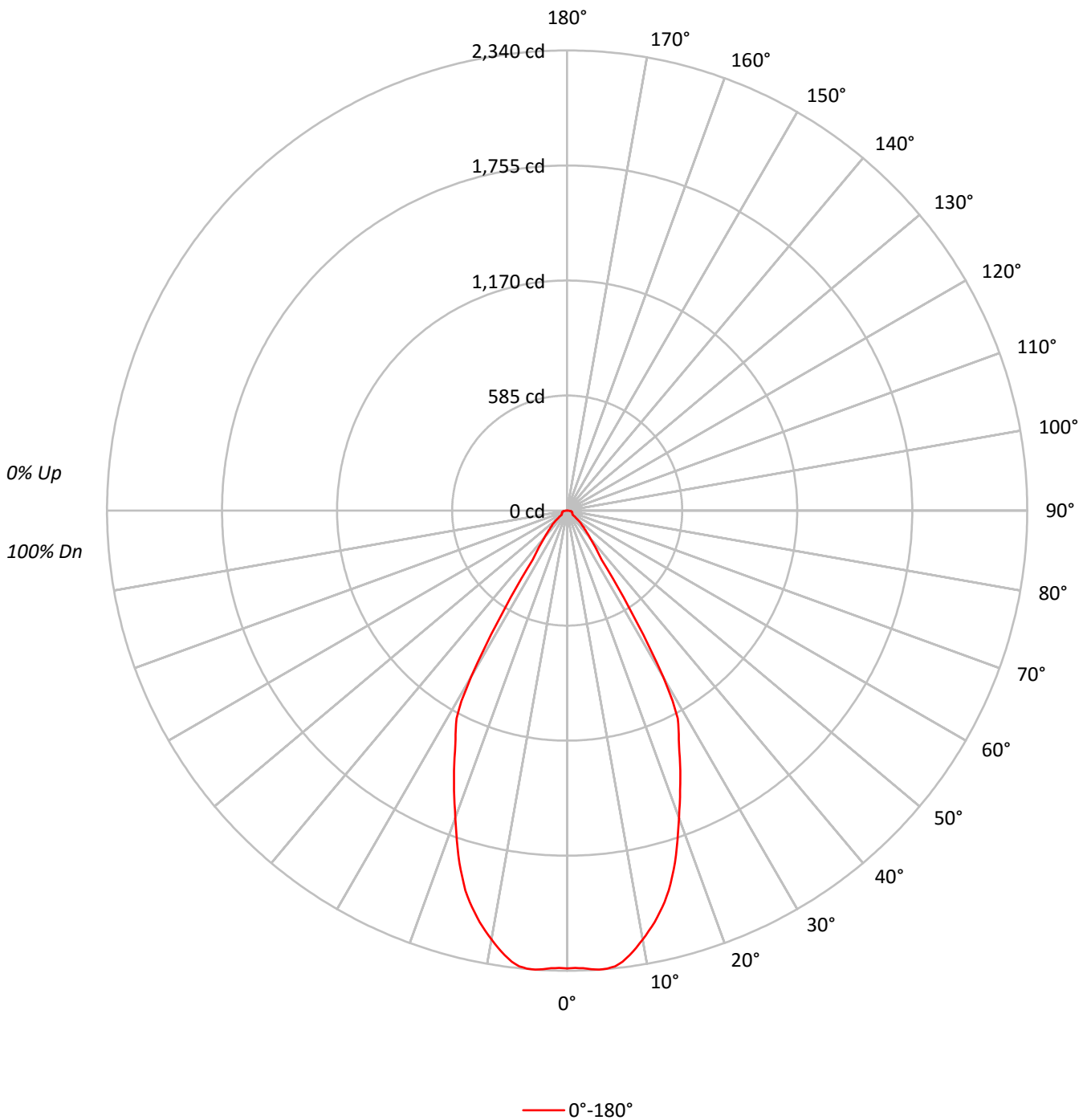
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

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

	0°
0°	287223
5°	289533
10°	277413
15°	255253
20°	218196
25°	183676
30°	138838
35°	46122
40°	29321
45°	19938
50°	11648
55°	6989
60°	7672
65°	8435
70°	9665
75°	11771
80°	14064
85°	14011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.2	12.0
10°-20°	551.3	30.1
20°-30°	617.5	33.7
30°-40°	258.2	14.1
40°-50°	89.7	4.9
50°-60°	32.6	1.8
60°-70°	28.7	1.6
70°-80°	25.5	1.4
80°-90°	10.7	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1388.1	75.7
0°-40°	1646.3	89.8
0°-60°	1768.6	96.5
0°-90°	1833.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1833.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2329	
5°	2338	219
15°	1999	551
25°	1350	618
35°	306	258
45°	114	90
55°	32	33
65°	29	29
75°	25	26
85°	10	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2328.6
1°	2326.4
2°	2328.6
3°	2335.6
4°	2339.9
5°	2338.4
6°	2330.0
7°	2311.6
8°	2282.7
9°	2250.2
10°	2214.9
11°	2177.5
12°	2139.4
13°	2096.3
14°	2050.5
15°	1998.9
16°	1937.5
17°	1873.3
18°	1804.1
19°	1732.1
20°	1662.3
21°	1597.3
22°	1534.5
23°	1472.4
24°	1411.7
25°	1349.6
26°	1295.2
27°	1247.2
28°	1197.8
29°	1107.5
30°	974.8
32.5°	584.4
35°	306.3
37.5°	234.3
40°	182.1
42.5°	141.9
45°	114.3
47.5°	91.8
50°	60.7
52.5°	36.0
55°	32.5
57.5°	31.8
60°	31.1
62.5°	30.4
65°	28.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	27.5
70°	26.8
72.5°	26.1
75°	24.7
77.5°	22.6
80°	19.8
82.5°	15.5
85°	9.9
87.5°	4.2
90°	0.0

(END OF REPORT)