

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: P220750

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
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-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1442.6 lumens  
Efficiency: N/A  
Efficacy: 71.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

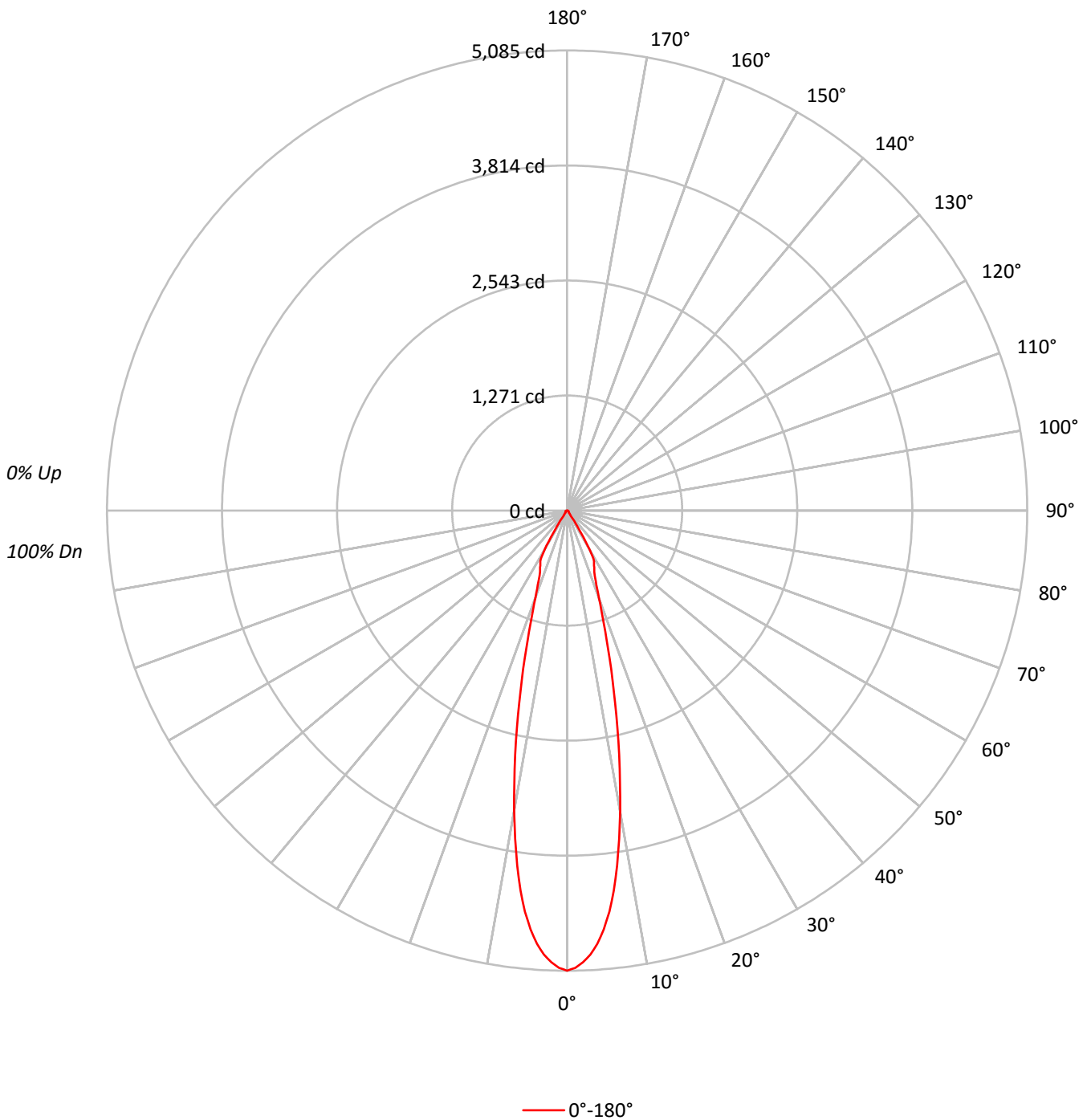
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

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

	0°
0°	627188
5°	575141
10°	422050
15°	247183
20°	134871
25°	96098
30°	71085
35°	10254
40°	5619
45°	3995
50°	4068
55°	4215
60°	4712
65°	5253
70°	6095
75°	7530
80°	8879
85°	8491



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.0	27.9
10°-20°	538.3	37.3
20°-30°	332.3	23.0
30°-40°	92.6	6.4
40°-50°	18.7	1.3
50°-60°	17.8	1.2
60°-70°	18.0	1.2
70°-80°	16.1	1.1
80°-90°	6.7	0.5
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°	1272.6	88.2
0°-40°	1365.2	94.6
0°-60°	1401.8	97.2
0°-90°	1442.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1442.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5085	
5°	4645	402
15°	1936	538
25°	706	332
35°	68	93
45°	23	19
55°	20	18
65°	18	18
75°	16	16
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5084.8
1°	5053.2
2°	4994.9
3°	4912.1
4°	4798.2
5°	4645.1
6°	4455.5
7°	4230.0
8°	3960.8
9°	3671.5
10°	3369.7
11°	3062.4
12°	2759.0
13°	2463.1
14°	2188.5
15°	1935.7
16°	1703.1
17°	1494.4
18°	1311.4
19°	1155.0
20°	1027.5
21°	922.4
22°	843.4
23°	783.4
24°	738.8
25°	706.1
26°	679.4
27°	656.0
28°	633.6
29°	583.5
30°	499.1
32.5°	241.9
35°	68.1
37.5°	46.9
40°	34.9
42.5°	24.5
45°	22.9
47.5°	21.8
50°	21.2
52.5°	20.2
55°	19.6
57.5°	19.6
60°	19.1
62.5°	19.1
65°	18.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	17.4
70°	16.9
72.5°	16.3
75°	15.8
77.5°	14.2
80°	12.5
82.5°	9.8
85°	6.0
87.5°	2.7
90°	0.0

(END OF REPORT)