

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: P221119

Luminaire Tested: **9004-W1-FL-LED4097-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED4097-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1707.6 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

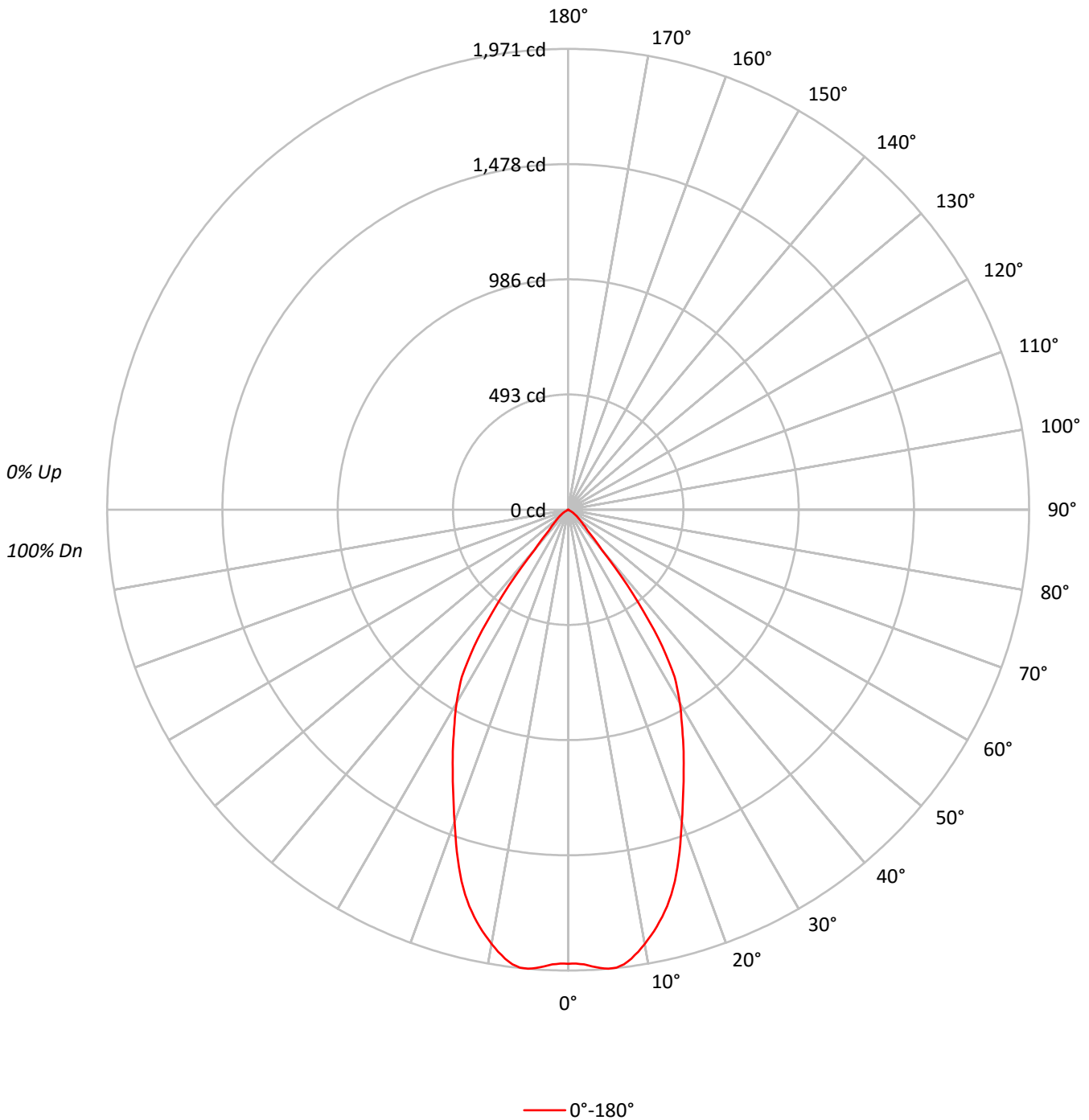
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56		63	59	55		63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52		60	55	52		59	55	52	51

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

	0°
0°	239525
5°	244006
10°	236244
15°	217583
20°	186457
25°	159002
30°	135990
35°	101655
40°	36068
45°	16868
50°	11149
55°	7505
60°	3774
65°	905
70°	649
75°	572
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.4	10.9
10°-20°	470.3	27.5
20°-30°	536.8	31.4
30°-40°	394.1	23.1
40°-50°	83.7	4.9
50°-60°	31.6	1.9
60°-70°	4.5	0.3
70°-80°	1.2	0.1
80°-90°	0.0	0.0
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°	1192.6	69.8
0°-40°	1586.7	92.9
0°-60°	1702.0	99.7
0°-90°	1707.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1942	
5°	1971	185
15°	1704	470
25°	1168	537
35°	675	394
45°	97	84
55°	35	32
65°	3	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1941.9
1°	1941.3
2°	1946.2
3°	1956.0
4°	1965.2
5°	1970.7
6°	1969.5
7°	1959.1
8°	1938.9
9°	1913.8
10°	1886.2
11°	1855.0
12°	1823.2
13°	1787.1
14°	1747.9
15°	1703.9
16°	1653.7
17°	1598.0
18°	1540.5
19°	1479.9
20°	1420.5
21°	1365.4
22°	1312.2
23°	1262.0
24°	1214.2
25°	1168.3
26°	1123.7
27°	1078.4
28°	1034.9
29°	994.5
30°	954.8
32.5°	847.6
35°	675.1
37.5°	456.0
40°	224.0
42.5°	126.1
45°	96.7
47.5°	75.9
50°	58.1
52.5°	45.9
55°	34.9
57.5°	25.1
60°	15.3
62.5°	4.3
65°	3.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	1.8
72.5°	1.8
75°	1.2
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)