

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: P221071

Luminaire Tested: **9004-W1-FL-LED5080-M-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED5080-M-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2935.9 lumens  
Efficiency: N/A  
Efficacy: 102.7 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

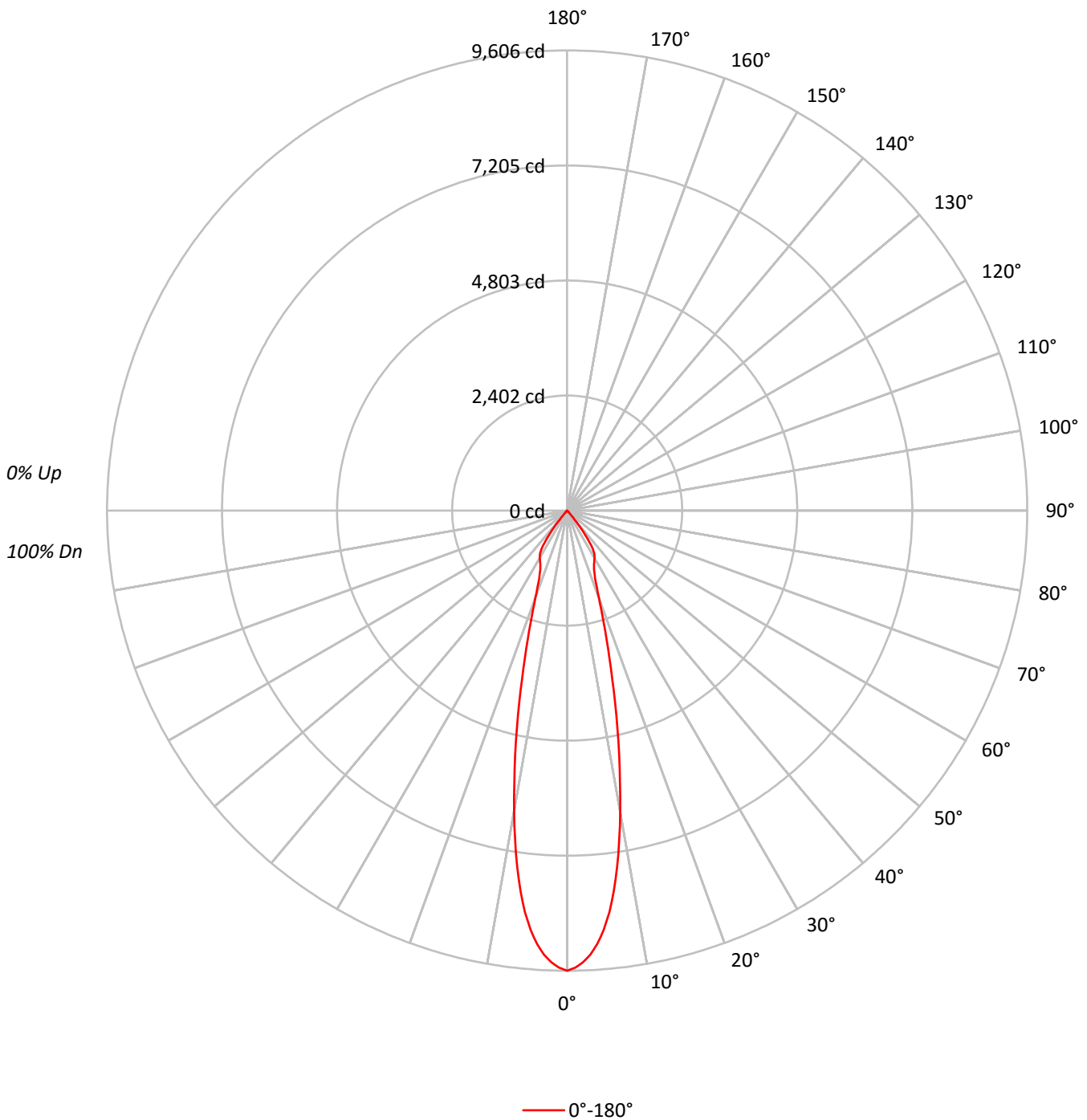
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	90		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	86	92	88	85		90	87	85		88	86	84	82
5	97	91	86	82	96	90	85	82	88	84	81		86	83	80		85	82	80	78
6	94	86	82	78	92	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	68	65		71	67	65	64

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

	0°
0°	1184870
5°	1087272
10°	798885
15°	465084
20°	253624
25°	180260
30°	162453
35°	127961
40°	28435
45°	7797
50°	2591
55°	1570
60°	1036
65°	613
70°	361
75°	477
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	760.7	25.9
10°-20°	1015.2	34.6
20°-30°	634.9	21.6
30°-40°	470.9	16.0
40°-50°	43.9	1.5
50°-60°	7.0	0.2
60°-70°	2.4	0.1
70°-80°	0.9	0.0
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°	2410.8	82.1
0°-40°	2881.7	98.2
0°-60°	2932.6	99.9
0°-90°	2935.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2935.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9606	
5°	8781	761
15°	3642	1015
25°	1324	635
35°	850	471
45°	45	44
55°	7	7
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9606.1
1°	9542.7
2°	9434.7
3°	9278.9
4°	9064.9
5°	8781.3
6°	8429.1
7°	8004.2
8°	7508.7
9°	6956.0
10°	6378.4
11°	5787.3
12°	5214.9
13°	4657.1
14°	4127.3
15°	3642.1
16°	3200.6
17°	2815.2
18°	2469.3
19°	2176.4
20°	1932.2
21°	1739.0
22°	1584.2
23°	1469.9
24°	1385.8
25°	1324.5
26°	1278.8
27°	1239.3
28°	1203.0
29°	1171.8
30°	1140.6
32.5°	1054.4
35°	849.8
37.5°	514.2
40°	176.6
42.5°	61.3
45°	44.7
47.5°	32.2
50°	13.5
52.5°	10.4
55°	7.3
57.5°	5.2
60°	4.2
62.5°	3.1
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.1
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)