

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: P221009

Luminaire Tested: **9004-W1-FL-LED4080-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221009  
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-LED4080-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2153.6 lumens  
Efficiency: N/A  
Efficacy: 107.1 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

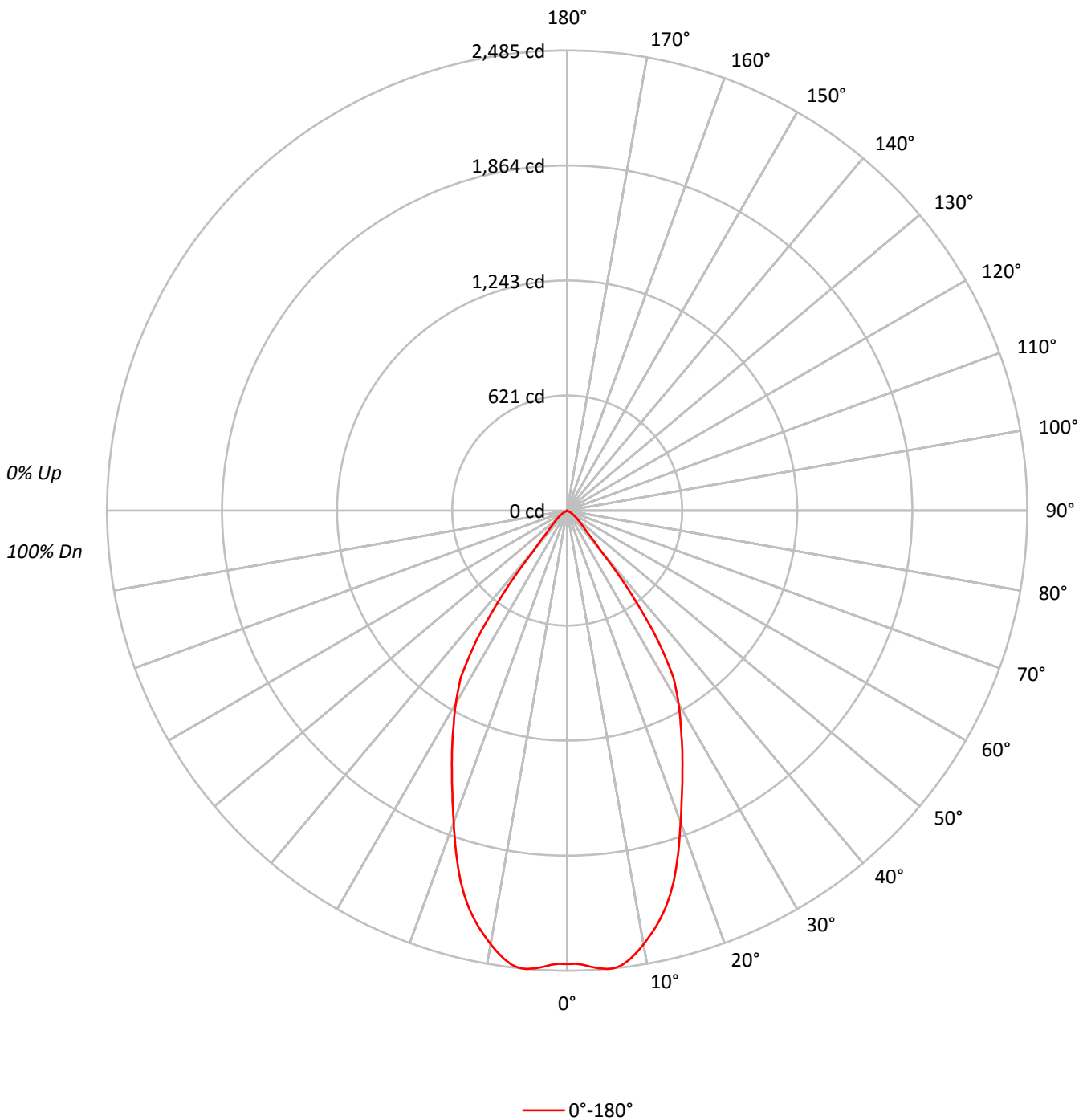
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	302086
5°	307734
10°	297953
15°	274408
20°	235155
25°	200539
30°	171497
35°	128201
40°	45487
45°	21281
50°	14066
55°	9462
60°	4761
65°	1138
70°	829
75°	715
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.9	10.9
10°-20°	593.1	27.5
20°-30°	677.0	31.4
30°-40°	497.0	23.1
40°-50°	105.5	4.9
50°-60°	39.9	1.9
60°-70°	5.7	0.3
70°-80°	1.5	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°	1504.0	69.8
0°-40°	2001.1	92.9
0°-60°	2146.5	99.7
0°-90°	2153.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2449	
5°	2485	234
15°	2149	593
25°	1474	677
35°	851	497
45°	122	106
55°	44	40
65°	4	6
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2449.1
1°	2448.4
2°	2454.6
3°	2466.9
4°	2478.5
5°	2485.4
6°	2483.9
7°	2470.8
8°	2445.3
9°	2413.6
10°	2378.9
11°	2339.5
12°	2299.4
13°	2253.9
14°	2204.5
15°	2148.9
16°	2085.6
17°	2015.4
18°	1942.8
19°	1866.4
20°	1791.5
21°	1722.0
22°	1654.9
23°	1591.6
24°	1531.4
25°	1473.5
26°	1417.2
27°	1360.0
28°	1305.2
29°	1254.3
30°	1204.1
32.5°	1069.0
35°	851.4
37.5°	575.0
40°	282.5
42.5°	159.0
45°	122.0
47.5°	95.7
50°	73.3
52.5°	57.9
55°	44.0
57.5°	31.6
60°	19.3
62.5°	5.4
65°	3.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.1
70°	2.3
72.5°	2.3
75°	1.5
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)